AGI-ORIENTED HYPERKNOWLEDGE BASE AS AN AGI OS

EBOOK HYPERKB OS

A serious, research-governed, pedagogical, visually coherent operating system for creating high-value ebooks, transforming lawful source books, and producing agency-grade dense pages with no dead white space.

Synthetic Cognitive Compression

Extract the generative kernel that can rebuild the domain instead of drowning the reader in facts.

MCD / QMCD / MCAI

Evaluate concepts, keep competing models alive, route attention, attack drafts, repair the strongest system.

For Dummies / 101 Depth

Simple expression, serious mechanisms, practical exercises, reader transformation.

Neo-Abstract Design

Big titles, concept art, flat tech aesthetic, page dashboards, coherent visual density.

EXECUTIVE OS ABSTRACT

A Serious Ebook Is a Cognitive Product, Not a PDF With Text

Operating Definition

An ebook is a packaged learning, reasoning, and decision system. It combines research, pedagogy, design, metadata, reader psychology, and publishing constraints into one artifact. A serious ebook does not merely inform; it upgrades the reader's ability to perceive a field, act inside it, and evaluate claims.

AGI-Oriented Goal

The knowledge base must make any model or human more capable at producing ebooks: selecting topics, researching responsibly, extracting kernels, building chapters, designing pages, rewriting weak material, publishing, testing, and updating future editions.

Non-Negotiable Rule

Knowledge is incomplete until it becomes operable. Operability becomes skill. Skill becomes loop. Loop becomes self-correcting OS. Therefore every unit below is engineered as a reusable action module.

Output Promise

This is a compressed master OS. It is designed to expand into a 700-page agency-grade production manual through the page engines, loops, templates, and chapter generators included inside.

CLAIM

What must the reader believe or understand after this page?

MECHANISM

What process, cause, trade-off, or transformation makes the claim work?

ACTION

What can be executed immediately as checklist, rewrite, design, research, or launch step?

EVIDENCE

What source level or confidence tag governs this unit?

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Where can this page mislead, overclaim, confuse, or become generic?

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EPISTEMIC SAFETY

What This KB Can and Cannot Claim

Available Material

Available here: the user's project principles, prior theoretical lenses, public standards for digital publishing, general publishing practice, design heuristics, and AGI-oriented knowledge engineering methods. No private book file was provided, so no specific book has been read or rewritten.

Directly Sourced

EPUB standards, accessibility standards, Kindle/KDP cover constraints, and BISAC metadata references are treated as directly sourced public standards. They govern technical reality, not taste.

Theoretical Construction

MCD, QMCD, MCAI, HAKIM-MCD, HyperSkills, HyperLoops, and Destruction Courts are used here as Moussaif-style theoretical engines. They are operational synthesis frameworks, not established external standards.

Forbidden Claims

Do not claim guaranteed bestseller status, 99.999% conversion, medical efficacy, legal certainty, or academic consensus without evidence. Do not rewrite copyrighted books beyond lawful quotation, critique, summarization, or user-provided licensed material.

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DOMAIN CONSTITUTION

The Constitution of the Ebook HyperKB OS

Purpose

Make it possible to produce serious, simple, research-based, pedagogical, visually coherent ebooks that can teach, convert, and preserve epistemic discipline.

Scope

Topic selection, research, source evaluation, concept compression, outline design, chapter production, visual/page system, cover design, metadata, publication, analytics, revision, and transformation of lawful source books.

Exclusions

Fake authority, invented citations, decorative theory, generic covers, empty white pages, SEO stuffing without reader value, plagiarism, medical/legal overclaims, and passive encyclopedic accumulation.

Success Definition

The system succeeds when a reader can understand faster, act better, remember more, trust the evidence layer, and reuse the book as a tool.

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ONTOLOGICAL CLASSIFICATION

What Kind of Object Is an Ebook?

Technical Architecture

An EPUB is essentially a structured package of web content and metadata. This means an ebook is not only words; it is a navigable technical container with semantic structure.

Cognitive Process

Reading is a staged transformation of attention into distinctions, distinctions into models, models into decisions, and decisions into behavior.

Business System

The ebook also lives in a market: title, subtitle, cover, keywords, categories, description, reviews, price, funnel, and update cadence affect discoverability.

Pedagogical System

A serious ebook must design the reader's path from ignorance to capability. Treating it as a static object kills the learning loop.

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GENERATIVE KERNEL

The Smallest Structure That Regenerates the Whole Domain

Central Question

How do we transform a domain, book, or body of research into an ebook that is simple for beginners, serious enough for experts, visually compelling, operationally useful, and continuously updatable?

Central Tension

Depth fights simplicity; design fights density; market conversion fights epistemic honesty; speed fights research rigor. The OS must hold these tensions without collapsing into shallow content.

Hidden Variable

The hidden variable is cognitive transfer: the degree to which the ebook makes the reader capable of doing something they could not do before.

Regeneration Rule

For any topic: extract the kernel, rank evidence, map concepts, build mechanisms, translate mechanisms into skills, package skills into loops, design pages as dashboards, publish, test, revise.

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CORE LAW 01

Operability First

Principle

Every chapter must end as an action, decision, diagnostic, template, checklist, or experiment. No knowledge unit is accepted until it changes what the reader can do.

Operational Rule

Before writing any section, ask: what distinction does this add, what action does it enable, what mistake does it prevent, what evidence supports it, and what would prove it weak?

Page-Level Expression

The page must contain a clear headline, a dense explanation block, one operational tool, one example, one warning, and one memory anchor. If a page cannot carry these, merge or delete it.

Destruction Test

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CORE LAW 02

Research Without Academic Fog

Principle

Research depth is preserved through source ranking, claim governance, counterexamples, and scope boundaries, while language remains 101-level: simple sentence, serious idea.

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CORE LAW 03

Synthetic Cognitive Compression

Principle

The ebook is built from generative kernels rather than summaries: the smallest set of distinctions that can regenerate the domain.

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CORE LAW 04

MCD Evaluation

Principle

Each concept is judged by distinction density, integration, transformation power, agency, prediction, compression, and noise reduction.

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CORE LAW 05

QMCD Superposition

Principle

When multiple models explain the domain, the OS preserves their strengths and collapses only under evidence, boundary conditions, or operational tests.

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CORE LAW 06

MCAI Pipeline

Principle

Extract the active difference, map complexity, route effort, generate models, attack them, repair the best one, test the effect, and update memory.

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CORE LAW 07

Pedagogical Descent

Principle

Every deep concept must pass through five layers: metaphor, minimal definition, mechanism, real example, and practice.

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CORE LAW 08

Visual Coherence

Principle

Pages are treated as information dashboards: grids, recurring modules, callouts, density rhythm, page-level hierarchy, and no dead white space.

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CORE LAW 09

Destruction Court

Principle

Every claim, chapter, design, tool, and rewrite passes hallucination, reductionism, false-novelty, weak-operation, and reader-value courts.

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CORE LAW 10

Market Integrity

Principle

Conversion is pursued without corrupting knowledge: cover/title/metadata attract attention, but the book must deliver the cognitive promise.

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STANDARDS LAYER

EPUB Reality Layer

Why It Matters

Build reflowable content as semantic HTML, not visual chaos. Use heading hierarchy, landmarks, image alt text, internal navigation, clean CSS, and stable file structure. EPUB is closer to a small website than a flat PDF.

OS Instruction

Never design a book only for the writer. Design for reading systems, search systems, category systems, accessibility systems, and human attention systems at the same time.

Failure Mode

Beautiful pages with broken structure fail. Strong research with poor metadata disappears. Viral covers with weak content create backlash. Accessibility ignored becomes hidden friction.

Quality Gate

Run every edition through format validation, manual navigation review, contrast review, cover legibility test, metadata coherence test, and sample-device review.

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STANDARDS LAYER

PDF Reality Layer

Why It Matters

PDF is fixed-layout strength: beautiful pages, intentional fills, printable worksheets, controlled typography, and concept-art covers. It is weaker for small screens unless designed carefully.

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STANDARDS LAYER

Accessibility Layer

Why It Matters

Readable ebooks need structure, contrast, navigation, semantic headings, alternate text, logical order, and discoverability metadata. Accessibility is not charity; it is quality engineering.

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STANDARDS LAYER

KDP Cover Layer

Why It Matters

For Kindle marketplaces, cover files must satisfy platform size, format, and quality expectations. A viral cover that fails upload constraints is not a professional cover.

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STANDARDS LAYER

Metadata Layer

Why It Matters

Title, subtitle, categories, BISAC-like subject mapping, keywords, description, and author promise should align. Metadata is a retrieval interface, not decoration.

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PRODUCTION PIPELINE

0. Domain Attack

Execution

Scan the domain from inside and outside. Identify dominant models, practical pains, unserved beginners, expert disagreements, myths, and market gaps.

Inputs

Topic, reader problem, source base, constraints, platform, desired transformation, and visual identity.

Output

A concrete artifact: map, ranked source bank, chapter plan, page template, rewrite table, visual system, launch asset, or revision protocol.

Court

Ask: what can be misunderstood, what is unsupported, what is generic, what cannot be used, and what should be removed?

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1. Reader Constitution

Execution

Define the reader by ignorance state, desire state, fear state, vocabulary level, decision context, and transformation outcome.

Inputs

Topic, reader problem, source base, constraints, platform, desired transformation, and visual identity.

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2. Research Intake

Execution

Collect sources in ranked layers: primary standards/data, peer-reviewed or professional sources, serious books, field reports, examples, and user experience.

Inputs

Topic, reader problem, source base, constraints, platform, desired transformation, and visual identity.

Output

A concrete artifact: map, ranked source bank, chapter plan, page template, rewrite table, visual system, launch asset, or revision protocol.

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3. Claim Governance

Execution

Tag every major claim: established, supported, plausible, contested, synthesis, hypothesis, speculative, unknown.

Inputs

Topic, reader problem, source base, constraints, platform, desired transformation, and visual identity.

Output

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4. Kernel Extraction

Execution

Find the generative kernel: central question, central tension, hidden variable, minimum concept set, and failure boundary.

Inputs

Topic, reader problem, source base, constraints, platform, desired transformation, and visual identity.

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A concrete artifact: map, ranked source bank, chapter plan, page template, rewrite table, visual system, launch asset, or revision protocol.

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What can be executed immediately as checklist, rewrite, design, research, or launch step?

EVIDENCE

What source level or confidence tag governs this unit?

FAILURE

Where can this page mislead, overclaim, confuse, or become generic?

UPDATE

What feedback or new source would change the next edition?

LOOP Runtime memory: concept -> mechanism -> example -> tool -> exercise -> court -> update. This page is a node in the ebook production OS, not passive prose.

5. Concept Graph

Execution

Map terms, distinctions, dependencies, tensions, examples, counterexamples, tools, and tests.

Inputs

Topic, reader problem, source base, constraints, platform, desired transformation, and visual identity.

Output

A concrete artifact: map, ranked source bank, chapter plan, page template, rewrite table, visual system, launch asset, or revision protocol.

Court

Ask: what can be misunderstood, what is unsupported, what is generic, what cannot be used, and what should be removed?

CLAIM

What must the reader believe or understand after this page?

MECHANISM

What process, cause, trade-off, or transformation makes the claim work?

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6. Chapter Architecture

Execution

Convert the graph into a sequence: problem shock, model, mechanism, skill, exercise, checklist, case, destruction court, next step.

Inputs

Topic, reader problem, source base, constraints, platform, desired transformation, and visual identity.

Output

A concrete artifact: map, ranked source bank, chapter plan, page template, rewrite table, visual system, launch asset, or revision protocol.

Court

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7. 101 Translation

Execution

Translate each concept into beginner language without deleting the mechanism. The reader gets simplicity, not simplification fraud.

Inputs

Topic, reader problem, source base, constraints, platform, desired transformation, and visual identity.

Output

A concrete artifact: map, ranked source bank, chapter plan, page template, rewrite table, visual system, launch asset, or revision protocol.

Court

Ask: what can be misunderstood, what is unsupported, what is generic, what cannot be used, and what should be removed?

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8. Page System

Execution

Build pages as dense dashboards: title, theorem, mechanism, example, mini-tool, visual anchor, warning, and practice move.

Inputs

Topic, reader problem, source base, constraints, platform, desired transformation, and visual identity.

Output

A concrete artifact: map, ranked source bank, chapter plan, page template, rewrite table, visual system, launch asset, or revision protocol.

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9. Visual Identity

Execution

Choose a coherent design language: neo-abstract, tech aesthetic, flat design, pop energy, agency-grade typography, and controlled palette.

Inputs

Topic, reader problem, source base, constraints, platform, desired transformation, and visual identity.

Output

A concrete artifact: map, ranked source bank, chapter plan, page template, rewrite table, visual system, launch asset, or revision protocol.

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10. Cover Conversion

Execution

Design the cover as a click signal: huge title, clear promise, concept art, strong contrast, genre cue, no generic stock-photo feel.

Inputs

Topic, reader problem, source base, constraints, platform, desired transformation, and visual identity.

Output

A concrete artifact: map, ranked source bank, chapter plan, page template, rewrite table, visual system, launch asset, or revision protocol.

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11. Metadata & Funnel

Execution

Create title/subtitle/categories/keywords/description aligned with reader intent and promise. Add landing page, lead magnet, and email path if business-oriented.

Inputs

Topic, reader problem, source base, constraints, platform, desired transformation, and visual identity.

Output

A concrete artifact: map, ranked source bank, chapter plan, page template, rewrite table, visual system, launch asset, or revision protocol.

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12. QA Destruction

Execution

Attack hallucinations, weak sources, vague concepts, visual clutter, page emptiness, unsupported guarantees, and reader confusion.

Inputs

Topic, reader problem, source base, constraints, platform, desired transformation, and visual identity.

Output

A concrete artifact: map, ranked source bank, chapter plan, page template, rewrite table, visual system, launch asset, or revision protocol.

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13. Launch & Learning

Execution

Publish, measure, gather questions, identify skipped pages, collect reviews, update the OS, and build v2.

Inputs

Topic, reader problem, source base, constraints, platform, desired transformation, and visual identity.

Output

A concrete artifact: map, ranked source bank, chapter plan, page template, rewrite table, visual system, launch asset, or revision protocol.

Court

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Source Ladder

Rule

Level 1: standards, data, laws, primary documents. Level 2: systematic reviews, serious textbooks, technical documentation. Level 3: expert practice, case studies, market data. Level 4: analogies, frameworks, hypotheses. Never let Level 4 pretend to be Level 1.

MCD Use

Score research by distinction density, integration across levels, transformation power, predictive value, and noise reduction.

Common Error

Collecting many sources without building a claim hierarchy. This creates academic fog and weakens reader trust.

Template

Claim -> Source rank -> Confidence -> Mechanism -> Reader use -> Boundary -> Counterexample -> Page placement.

CLAIM

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Research Notes Format

Rule

Every note must include claim, source type, confidence, excerpt/paraphrase, mechanism, implication for reader, counterpoint, and page destination.

MCD Use

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Common Error

Collecting many sources without building a claim hierarchy. This creates academic fog and weakens reader trust.

Template

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Evidence Compression

Rule

Do not dump sources. Compress them into distinctions: what changes, what holds, what boundary condition matters, what mistake disappears?

MCD Use

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Citation Ethics

Rule

Cite when factual, controversial, technical, recent, legal, medical, or statistical. Do not cite decorative links that were not used.

MCD Use

Score research by distinction density, integration across levels, transformation power, predictive value, and noise reduction.

Common Error

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Research to Skill Transfer

Rule

A source becomes ebook value only when it creates a decision rule, diagnostic, comparison, checklist, workflow, or training exercise.

MCD Use

Score research by distinction density, integration across levels, transformation power, predictive value, and noise reduction.

Common Error

Collecting many sources without building a claim hierarchy. This creates academic fog and weakens reader trust.

Template

Claim -> Source rank -> Confidence -> Mechanism -> Reader use -> Boundary -> Counterexample -> Page placement.

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High-Stakes Domains

Rule

For technology, health, finance, law, or psychology, include limits, risk warnings, professional boundaries, and update protocols.

MCD Use

Score research by distinction density, integration across levels, transformation power, predictive value, and noise reduction.

Common Error

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PEDAGOGY ENGINE

For Dummies / 101, But Serious

Teaching Law

Begin with ordinary language, then reveal mechanism. Never start with expert vocabulary unless it is immediately decoded.

Page Pattern

Hook -> why it matters -> simple model -> mechanism -> example -> common mistake -> practice -> next page.

Design Link

Pedagogy must be visible. Use icons, block labels, contrast, arrows, micro-summaries, progress bars, and repeated structure.

Quality Question

Can a motivated beginner explain this page to another beginner after one reading and perform one action from it?

CLAIM

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PEDAGOGY ENGINE

Five-Layer Explanation

Teaching Law

1 metaphor, 2 definition, 3 mechanism, 4 real case, 5 exercise. Every hard idea must descend through all five layers.

Page Pattern

Hook -> why it matters -> simple model -> mechanism -> example -> common mistake -> practice -> next page.

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PEDAGOGY ENGINE

Reader Error Forecasting

Teaching Law

Predict what the beginner will confuse before they confuse it. Put the distinction near the point of confusion.

Page Pattern

Hook -> why it matters -> simple model -> mechanism -> example -> common mistake -> practice -> next page.

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PEDAGOGY ENGINE

Memory Anchors

Teaching Law

Use diagrams, formulas, recurring phrases, page labels, and decision rules so the reader can retrieve ideas under pressure.

Page Pattern

Hook -> why it matters -> simple model -> mechanism -> example -> common mistake -> practice -> next page.

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Cognitive Load Control

Teaching Law

Dense pages are not cluttered pages. Use hierarchy, repeated modules, and chunking to make density navigable.

Page Pattern

Hook -> why it matters -> simple model -> mechanism -> example -> common mistake -> practice -> next page.

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PEDAGOGY ENGINE

Applicativity Law

Teaching Law

Every chapter ends with a field move: audit, implement, compare, diagnose, rewrite, plan, build, publish, test, or revise.

Page Pattern

Hook -> why it matters -> simple model -> mechanism -> example -> common mistake -> practice -> next page.

Design Link

Pedagogy must be visible. Use icons, block labels, contrast, arrows, micro-summaries, progress bars, and repeated structure.

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No White-Space Doctrine

Principle

White space is useful only when it creates hierarchy. Empty dead zones are failure. Fill pages with structured modules: sidebars, mini-diagrams, checklists, evidence tags, chapter maps, micro-glossaries, and practice boxes.

Implementation

Create master pages: cover, chapter opener, concept page, mechanism page, checklist page, case page, tool page, worksheet page, court page, summary page.

Page Fill Assets

Mini-map, margin glossary, evidence badge, practice strip, micro-case, comparison table, mistake box, action command, progress footer.

Court

If removing a visual element improves clarity, it was decoration. If removing it breaks navigation or memory, it was design intelligence.

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Agency Grid

Principle

Use a 12-column or 6-column grid. Keep margins intentional. Repeat title zone, body zone, tool zone, quote/warning zone, and footer navigation.

Implementation

Create master pages: cover, chapter opener, concept page, mechanism page, checklist page, case page, tool page, worksheet page, court page, summary page.

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VISUAL COHERENCE ENGINE

Neo-Abstract Cover

Principle

Use abstract geometry, symbolic objects, light gradients, flat tech shapes, conceptual metaphors, and a very large title. Avoid generic laptop, random AI brain, weak stock-photo people.

Implementation

Create master pages: cover, chapter opener, concept page, mechanism page, checklist page, case page, tool page, worksheet page, court page, summary page.

Page Fill Assets

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Typography

Principle

Cover: huge, classy, high-contrast, short words. Body: readable, consistent, generous line-height. Use one display font and one body font family; avoid font chaos.

Implementation

Create master pages: cover, chapter opener, concept page, mechanism page, checklist page, case page, tool page, worksheet page, court page, summary page.

Page Fill Assets

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Color System

Principle

Pick one dark base, one light base, one accent, one warning color, one evidence color. Use color as meaning, not decoration.

Implementation

Create master pages: cover, chapter opener, concept page, mechanism page, checklist page, case page, tool page, worksheet page, court page, summary page.

Page Fill Assets

Mini-map, margin glossary, evidence badge, practice strip, micro-case, comparison table, mistake box, action command, progress footer.

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Information Flow

Principle

Create enchainment: each page should answer the previous page and create desire for the next. Use arrows, numbered rhythms, recurring questions, and chapter promises.

Implementation

Create master pages: cover, chapter opener, concept page, mechanism page, checklist page, case page, tool page, worksheet page, court page, summary page.

Page Fill Assets

Mini-map, margin glossary, evidence badge, practice strip, micro-case, comparison table, mistake box, action command, progress footer.

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Visual Density Without Mess

Principle

Density works when every block has a role. Remove orphan paragraphs. Use cards, labels, dividers, diagrams, and repeated spacing units.

Implementation

Create master pages: cover, chapter opener, concept page, mechanism page, checklist page, case page, tool page, worksheet page, court page, summary page.

Page Fill Assets

Mini-map, margin glossary, evidence badge, practice strip, micro-case, comparison table, mistake box, action command, progress footer.

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What process, cause, trade-off, or transformation makes the claim work?

ACTION

What can be executed immediately as checklist, rewrite, design, research, or launch step?

EVIDENCE

What source level or confidence tag governs this unit?

FAILURE

Where can this page mislead, overclaim, confuse, or become generic?

UPDATE

What feedback or new source would change the next edition?

LOOP Runtime memory: concept -> mechanism -> example -> tool -> exercise -> court -> update. This page is a node in the ebook production OS, not passive prose.

Conversion Cover Test

Principle

At thumbnail size, the title must be readable, the genre must be obvious, the promise must be felt, and the art must not look like template filler.

Implementation

Create master pages: cover, chapter opener, concept page, mechanism page, checklist page, case page, tool page, worksheet page, court page, summary page.

Page Fill Assets

Mini-map, margin glossary, evidence badge, practice strip, micro-case, comparison table, mistake box, action command, progress footer.

Court

If removing a visual element improves clarity, it was decoration. If removing it breaks navigation or memory, it was design intelligence.

CLAIM

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Legal and Ethical Boundary

Rule

Rewrite only material you own, public-domain material, licensed material, user-provided excerpts for transformation, or limited analysis under applicable quotation/fair-use principles. Do not launder copyrighted books into a new book.

Procedure

Diagnose -> extract kernel -> rank value -> remove noise -> rebuild sequence -> add examples -> add tools -> test for originality -> cite/ attribute when required.

Quality Gate

The rewritten chapter must teach better than the source, preserve verified strengths, remove ambiguity, and add operational value.

Failure Mode

A paraphrase that preserves the same structure and merely swaps words is weak and legally risky. Transformation requires new cognitive architecture.

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Good/Weak Extraction

Rule

Separate the source into durable insights, weak explanations, outdated parts, unclear passages, missing examples, unsupported claims, and style problems.

Procedure

Diagnose -> extract kernel -> rank value -> remove noise -> rebuild sequence -> add examples -> add tools -> test for originality -> cite/ attribute when required.

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Preserve the Good

Rule

Keep accurate arguments, strong examples, useful structures, and original distinctions. Improve order, clarity, mechanism, evidence tags, and exercises.

Procedure

Diagnose -> extract kernel -> rank value -> remove noise -> rebuild sequence -> add examples -> add tools -> test for originality -> cite/ attribute when required.

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Upgrade the Weak

Rule

A weak paragraph becomes strong when it gains a clear claim, mechanism, example, boundary, counterexample, and reader action.

Procedure

Diagnose -> extract kernel -> rank value -> remove noise -> rebuild sequence -> add examples -> add tools -> test for originality -> cite/ attribute when required.

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Compression-Rebuild Method

Rule

Compress a chapter into kernel notes; rebuild it with simpler language, better examples, stronger transitions, visual modules, and operational checklists.

Procedure

Diagnose -> extract kernel -> rank value -> remove noise -> rebuild sequence -> add examples -> add tools -> test for originality -> cite/ attribute when required.

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Voice Upgrade

Rule

Use clean 101 style: short sentences, active verbs, concrete nouns, low jargon, high precision. Do not make the book childish; make it easier to enter.

Procedure

Diagnose -> extract kernel -> rank value -> remove noise -> rebuild sequence -> add examples -> add tools -> test for originality -> cite/ attribute when required.

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Rewrite Table

Rule

For each passage: source idea, status, problem, retained value, rewrite goal, new mechanism, new example, evidence need, final block.

Procedure

Diagnose -> extract kernel -> rank value -> remove noise -> rebuild sequence -> add examples -> add tools -> test for originality -> cite/ attribute when required.

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The rewritten chapter must teach better than the source, preserve verified strengths, remove ambiguity, and add operational value.

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Anti-Plagiarism Test

Rule

The new text must have new structure, new wording, new pedagogical pathway, new tools, and clear attribution where required.

Procedure

Diagnose -> extract kernel -> rank value -> remove noise -> rebuild sequence -> add examples -> add tools -> test for originality -> cite/ attribute when required.

Quality Gate

The rewritten chapter must teach better than the source, preserve verified strengths, remove ambiguity, and add operational value.

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Domain Kernel Extraction

Definition

Reducing a field to its generative center without deleting crucial distinctions.

Why It Is Hyper

It converts static knowledge into a transferable capability that can be trained, evaluated, repeated, and improved across domains.

Execution Steps

Define target -> collect raw material -> extract distinctions -> build mechanism -> create example -> run court -> produce usable artifact -> store lesson.

Exercises

Beginner: apply it to one page. Advanced: apply it to an entire chapter and compare before/after clarity, evidence, visual density, and actionability.

CLAIM

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Reader State Modeling

Definition

Predicting the reader's knowledge, confusion, desire, and resistance before writing.

Why It Is Hyper

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Execution Steps

Define target -> collect raw material -> extract distinctions -> build mechanism -> create example -> run court -> produce usable artifact -> store lesson.

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Evidence Ranking

Definition

Sorting claims by source strength, recency, relevance, and confidence.

Why It Is Hyper

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Concept Disambiguation

Definition

Separating similar terms and showing operational differences.

Why It Is Hyper

It converts static knowledge into a transferable capability that can be trained, evaluated, repeated, and improved across domains.

Execution Steps

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Mechanism Translation

Definition

Turning abstract explanations into input-transform-output models.

Why It Is Hyper

It converts static knowledge into a transferable capability that can be trained, evaluated, repeated, and improved across domains.

Execution Steps

Define target -> collect raw material -> extract distinctions -> build mechanism -> create example -> run court -> produce usable artifact -> store lesson.

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101 Deep Simplification

Definition

Making a deep idea simple without making it false.

Why It Is Hyper

It converts static knowledge into a transferable capability that can be trained, evaluated, repeated, and improved across domains.

Execution Steps

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Visual Page Engineering

Definition

Building pages as dashboards with hierarchy and density.

Why It Is Hyper

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Execution Steps

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Conversion Cover Direction

Definition

Producing cover briefs that get attention while respecting the book promise.

Why It Is Hyper

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Execution Steps

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Rewrite Upgrade

Definition

Transforming weak source content into clearer, stronger, more operational teaching.

Why It Is Hyper

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Execution Steps

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Exercises

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Destruction Court Review

Definition

Attacking outputs for hallucination, reductionism, false novelty, weak operation, and reader failure.

Why It Is Hyper

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Execution Steps

Define target -> collect raw material -> extract distinctions -> build mechanism -> create example -> run court -> produce usable artifact -> store lesson.

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Metadata Intent Mapping

Definition

Aligning title, subtitle, categories, keywords, description, and reader search intent.

Why It Is Hyper

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Execution Steps

Define target -> collect raw material -> extract distinctions -> build mechanism -> create example -> run court -> produce usable artifact -> store lesson.

Exercises

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Edition Update Intelligence

Definition

Turning feedback, analytics, and new evidence into improved versions.

Why It Is Hyper

It converts static knowledge into a transferable capability that can be trained, evaluated, repeated, and improved across domains.

Execution Steps

Define target -> collect raw material -> extract distinctions -> build mechanism -> create example -> run court -> produce usable artifact -> store lesson.

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GraphRAG Structuring

Definition

Chunking a book into concept, claim, evidence, mechanism, tool, skill, and loop nodes.

Why It Is Hyper

It converts static knowledge into a transferable capability that can be trained, evaluated, repeated, and improved across domains.

Execution Steps

Define target -> collect raw material -> extract distinctions -> build mechanism -> create example -> run court -> produce usable artifact -> store lesson.

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HyperLoop Orchestration

Definition

Combining repeatable processes into a self-correcting production machine.

Why It Is Hyper

It converts static knowledge into a transferable capability that can be trained, evaluated, repeated, and improved across domains.

Execution Steps

Define target -> collect raw material -> extract distinctions -> build mechanism -> create example -> run court -> produce usable artifact -> store lesson.

Exercises

Beginner: apply it to one page. Advanced: apply it to an entire chapter and compare before/after clarity, evidence, visual density, and actionability.

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Case-Example Engineering

Definition

Creating examples that teach the mechanism rather than decorate the page.

Why It Is Hyper

It converts static knowledge into a transferable capability that can be trained, evaluated, repeated, and improved across domains.

Execution Steps

Define target -> collect raw material -> extract distinctions -> build mechanism -> create example -> run court -> produce usable artifact -> store lesson.

Exercises

Beginner: apply it to one page. Advanced: apply it to an entire chapter and compare before/after clarity, evidence, visual density, and actionability.

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HYPERLOOP 01

Kernel Extraction Loop

Objective

Input raw topic; output central question, tension, hidden variable, minimum concept set, and regeneration rule.

Process

Collect input -> classify -> transform -> test -> repair -> publish output -> update memory.

Quality Test

The loop produces a reusable artifact, reduces ambiguity, increases reader capability, and leaves a trace for future versions.

Failure Repair

If the loop produces generic text, force an example, a boundary condition, a counterexample, a checklist, and a measurable output.

CLAIM

What must the reader believe or understand after this page?

MECHANISM

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HYPERLOOP 02

Evidence Ranking Loop

Objective

Input sources; output ranked claim table with confidence tags and evidence gaps.

Process

Collect input -> classify -> transform -> test -> repair -> publish output -> update memory.

Quality Test

The loop produces a reusable artifact, reduces ambiguity, increases reader capability, and leaves a trace for future versions.

Failure Repair

If the loop produces generic text, force an example, a boundary condition, a counterexample, a checklist, and a measurable output.

CLAIM

What must the reader believe or understand after this page?

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What process, cause, trade-off, or transformation makes the claim work?

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Concept Disambiguation Loop

Objective

Input fuzzy terms; output definitions, contrasts, examples, counterexamples, and misuse risks.

Process

Collect input -> classify -> transform -> test -> repair -> publish output -> update memory.

Quality Test

The loop produces a reusable artifact, reduces ambiguity, increases reader capability, and leaves a trace for future versions.

Failure Repair

If the loop produces generic text, force an example, a boundary condition, a counterexample, a checklist, and a measurable output.

CLAIM

What must the reader believe or understand after this page?

MECHANISM

What process, cause, trade-off, or transformation makes the claim work?

ACTION

What can be executed immediately as checklist, rewrite, design, research, or launch step?

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UPDATE

What feedback or new source would change the next edition?

LOOP Runtime memory: concept -> mechanism -> example -> tool -> exercise -> court -> update. This page is a node in the ebook production OS, not passive prose.

Problem Decomposition Loop

Objective

Input broad problem; output surface problem, deep problem, mechanisms, evidence needs, and tools.

Process

Collect input -> classify -> transform -> test -> repair -> publish output -> update memory.

Quality Test

The loop produces a reusable artifact, reduces ambiguity, increases reader capability, and leaves a trace for future versions.

Failure Repair

If the loop produces generic text, force an example, a boundary condition, a counterexample, a checklist, and a measurable output.

CLAIM

What must the reader believe or understand after this page?

MECHANISM

What process, cause, trade-off, or transformation makes the claim work?

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HYPERLOOP 05

Hypothesis Generation Loop

Objective

Input evidence gaps; output testable hypotheses, assumptions, and validation paths.

Process

Collect input -> classify -> transform -> test -> repair -> publish output -> update memory.

Quality Test

The loop produces a reusable artifact, reduces ambiguity, increases reader capability, and leaves a trace for future versions.

Failure Repair

If the loop produces generic text, force an example, a boundary condition, a counterexample, a checklist, and a measurable output.

CLAIM

What must the reader believe or understand after this page?

MECHANISM

What process, cause, trade-off, or transformation makes the claim work?

ACTION

What can be executed immediately as checklist, rewrite, design, research, or launch step?

EVIDENCE

What source level or confidence tag governs this unit?

FAILURE

Where can this page mislead, overclaim, confuse, or become generic?

UPDATE

What feedback or new source would change the next edition?

LOOP Runtime memory: concept -> mechanism -> example -> tool -> exercise -> court -> update. This page is a node in the ebook production OS, not passive prose.

HYPERLOOP 06

Destruction and Repair Loop

Objective

Input draft; output destroyed weak points and repaired stronger version.

Process

Collect input -> classify -> transform -> test -> repair -> publish output -> update memory.

Quality Test

The loop produces a reusable artifact, reduces ambiguity, increases reader capability, and leaves a trace for future versions.

Failure Repair

If the loop produces generic text, force an example, a boundary condition, a counterexample, a checklist, and a measurable output.

CLAIM

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Tool Construction Loop

Objective

Input repeated task; output template, checklist, rubric, prompt, or worksheet.

Process

Collect input -> classify -> transform -> test -> repair -> publish output -> update memory.

Quality Test

The loop produces a reusable artifact, reduces ambiguity, increases reader capability, and leaves a trace for future versions.

Failure Repair

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HYPERLOOP 08

Skill Training Loop

Objective

Input concept; output exercises, mastery signals, errors, and practice sequence.

Process

Collect input -> classify -> transform -> test -> repair -> publish output -> update memory.

Quality Test

The loop produces a reusable artifact, reduces ambiguity, increases reader capability, and leaves a trace for future versions.

Failure Repair

If the loop produces generic text, force an example, a boundary condition, a counterexample, a checklist, and a measurable output.

CLAIM

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MECHANISM

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Retrieval Optimization Loop

Objective

Input chapters; output chunk map, metadata, graph edges, and query templates.

Process

Collect input -> classify -> transform -> test -> repair -> publish output -> update memory.

Quality Test

The loop produces a reusable artifact, reduces ambiguity, increases reader capability, and leaves a trace for future versions.

Failure Repair

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Agentic Execution Loop

Objective

Input goal; output delegated tasks, agents, constraints, evaluation, and update memory.

Process

Collect input -> classify -> transform -> test -> repair -> publish output -> update memory.

Quality Test

The loop produces a reusable artifact, reduces ambiguity, increases reader capability, and leaves a trace for future versions.

Failure Repair

If the loop produces generic text, force an example, a boundary condition, a counterexample, a checklist, and a measurable output.

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MECHANISM

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LOOP Runtime memory: concept -> mechanism -> example -> tool -> exercise -> court -> update. This page is a node in the ebook production OS, not passive prose.

Update Versioning Loop

Objective

Input feedback/data/new source; output changelog, revised claims, new examples, and edition note.

Process

Collect input -> classify -> transform -> test -> repair -> publish output -> update memory.

Quality Test

The loop produces a reusable artifact, reduces ambiguity, increases reader capability, and leaves a trace for future versions.

Failure Repair

If the loop produces generic text, force an example, a boundary condition, a counterexample, a checklist, and a measurable output.

CLAIM

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What process, cause, trade-off, or transformation makes the claim work?

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LOOP Runtime memory: concept -> mechanism -> example -> tool -> exercise -> court -> update. This page is a node in the ebook production OS, not passive prose.

Launch Learning Loop

Objective

Input launch metrics and reviews; output improved title, cover, description, sample, and content upgrades.

Process

Collect input -> classify -> transform -> test -> repair -> publish output -> update memory.

Quality Test

The loop produces a reusable artifact, reduces ambiguity, increases reader capability, and leaves a trace for future versions.

Failure Repair

If the loop produces generic text, force an example, a boundary condition, a counterexample, a checklist, and a measurable output.

CLAIM

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MECHANISM

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AGENTIC LAYER 01

Research Agent

Role

Finds, ranks, and summarizes sources without inventing evidence.

Inputs

Goal, topic, source base, constraints, prior outputs, reader model, and OS rules.

Outputs

Structured artifact with confidence tags, operational use, failure modes, and next actions.

Forbidden Operations

Inventing sources, hiding uncertainty, bloating pages, ignoring reader level, copying protected text, or optimizing conversion by lying.

CLAIM

What must the reader believe or understand after this page?

MECHANISM

What process, cause, trade-off, or transformation makes the claim work?

ACTION

What can be executed immediately as checklist, rewrite, design, research, or launch step?

EVIDENCE

What source level or confidence tag governs this unit?

FAILURE

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UPDATE

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LOOP Runtime memory: concept -> mechanism -> example -> tool -> exercise -> court -> update. This page is a node in the ebook production OS, not passive prose.

AGENTIC LAYER 02

Concept Agent

Role

Builds definitions, distinctions, relations, and glossaries.

Inputs

Goal, topic, source base, constraints, prior outputs, reader model, and OS rules.

Outputs

Structured artifact with confidence tags, operational use, failure modes, and next actions.

Forbidden Operations

Inventing sources, hiding uncertainty, bloating pages, ignoring reader level, copying protected text, or optimizing conversion by lying.

CLAIM

What must the reader believe or understand after this page?

MECHANISM

What process, cause, trade-off, or transformation makes the claim work?

ACTION

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EVIDENCE

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FAILURE

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UPDATE

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LOOP Runtime memory: concept -> mechanism -> example -> tool -> exercise -> court -> update. This page is a node in the ebook production OS, not passive prose.

AGENTIC LAYER 03

Evidence Agent

Role

Tags every claim by confidence and source type.

Inputs

Goal, topic, source base, constraints, prior outputs, reader model, and OS rules.

Outputs

Structured artifact with confidence tags, operational use, failure modes, and next actions.

Forbidden Operations

Inventing sources, hiding uncertainty, bloating pages, ignoring reader level, copying protected text, or optimizing conversion by lying.

CLAIM

What must the reader believe or understand after this page?

MECHANISM

What process, cause, trade-off, or transformation makes the claim work?

ACTION

What can be executed immediately as checklist, rewrite, design, research, or launch step?

EVIDENCE

What source level or confidence tag governs this unit?

FAILURE

Where can this page mislead, overclaim, confuse, or become generic?

UPDATE

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LOOP Runtime memory: concept -> mechanism -> example -> tool -> exercise -> court -> update. This page is a node in the ebook production OS, not passive prose.

AGENTIC LAYER 04

Pedagogy Agent

Role

Turns deep material into beginner-accessible explanation paths.

Inputs

Goal, topic, source base, constraints, prior outputs, reader model, and OS rules.

Outputs

Structured artifact with confidence tags, operational use, failure modes, and next actions.

Forbidden Operations

Inventing sources, hiding uncertainty, bloating pages, ignoring reader level, copying protected text, or optimizing conversion by lying.

CLAIM

What must the reader believe or understand after this page?

MECHANISM

What process, cause, trade-off, or transformation makes the claim work?

ACTION

What can be executed immediately as checklist, rewrite, design, research, or launch step?

EVIDENCE

What source level or confidence tag governs this unit?

FAILURE

Where can this page mislead, overclaim, confuse, or become generic?

UPDATE

What feedback or new source would change the next edition?

LOOP Runtime memory: concept -> mechanism -> example -> tool -> exercise -> court -> update. This page is a node in the ebook production OS, not passive prose.

Design Agent

Role

Applies visual system, page fill logic, and cover direction.

Inputs

Goal, topic, source base, constraints, prior outputs, reader model, and OS rules.

Outputs

Structured artifact with confidence tags, operational use, failure modes, and next actions.

Forbidden Operations

Inventing sources, hiding uncertainty, bloating pages, ignoring reader level, copying protected text, or optimizing conversion by lying.

CLAIM

What must the reader believe or understand after this page?

MECHANISM

What process, cause, trade-off, or transformation makes the claim work?

ACTION

What can be executed immediately as checklist, rewrite, design, research, or launch step?

EVIDENCE

What source level or confidence tag governs this unit?

FAILURE

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UPDATE

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LOOP Runtime memory: concept -> mechanism -> example -> tool -> exercise -> court -> update. This page is a node in the ebook production OS, not passive prose.

AGENTIC LAYER 06

Rewrite Agent

Role

Transforms lawful source material into improved educational chapters.

Inputs

Goal, topic, source base, constraints, prior outputs, reader model, and OS rules.

Outputs

Structured artifact with confidence tags, operational use, failure modes, and next actions.

Forbidden Operations

Inventing sources, hiding uncertainty, bloating pages, ignoring reader level, copying protected text, or optimizing conversion by lying.

CLAIM

What must the reader believe or understand after this page?

MECHANISM

What process, cause, trade-off, or transformation makes the claim work?

ACTION

What can be executed immediately as checklist, rewrite, design, research, or launch step?

EVIDENCE

What source level or confidence tag governs this unit?

FAILURE

Where can this page mislead, overclaim, confuse, or become generic?

UPDATE

What feedback or new source would change the next edition?

LOOP Runtime memory: concept -> mechanism -> example -> tool -> exercise -> court -> update. This page is a node in the ebook production OS, not passive prose.

Tool Agent

Role

Creates checklists, worksheets, rubrics, prompts, calculators, and decision matrices.

Inputs

Goal, topic, source base, constraints, prior outputs, reader model, and OS rules.

Outputs

Structured artifact with confidence tags, operational use, failure modes, and next actions.

Forbidden Operations

Inventing sources, hiding uncertainty, bloating pages, ignoring reader level, copying protected text, or optimizing conversion by lying.

CLAIM

What must the reader believe or understand after this page?

MECHANISM

What process, cause, trade-off, or transformation makes the claim work?

ACTION

What can be executed immediately as checklist, rewrite, design, research, or launch step?

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FAILURE

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UPDATE

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LOOP Runtime memory: concept -> mechanism -> example -> tool -> exercise -> court -> update. This page is a node in the ebook production OS, not passive prose.

AGENTIC LAYER 08

Critique Agent

Role

Runs destruction courts and blocks unsupported claims.

Inputs

Goal, topic, source base, constraints, prior outputs, reader model, and OS rules.

Outputs

Structured artifact with confidence tags, operational use, failure modes, and next actions.

Forbidden Operations

Inventing sources, hiding uncertainty, bloating pages, ignoring reader level, copying protected text, or optimizing conversion by lying.

CLAIM

What must the reader believe or understand after this page?

MECHANISM

What process, cause, trade-off, or transformation makes the claim work?

ACTION

What can be executed immediately as checklist, rewrite, design, research, or launch step?

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What source level or confidence tag governs this unit?

FAILURE

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UPDATE

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LOOP Runtime memory: concept -> mechanism -> example -> tool -> exercise -> court -> update. This page is a node in the ebook production OS, not passive prose.

RAG Agent

Role

Chunks the book and assigns metadata for retrieval.

Inputs

Goal, topic, source base, constraints, prior outputs, reader model, and OS rules.

Outputs

Structured artifact with confidence tags, operational use, failure modes, and next actions.

Forbidden Operations

Inventing sources, hiding uncertainty, bloating pages, ignoring reader level, copying protected text, or optimizing conversion by lying.

CLAIM

What must the reader believe or understand after this page?

MECHANISM

What process, cause, trade-off, or transformation makes the claim work?

ACTION

What can be executed immediately as checklist, rewrite, design, research, or launch step?

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FAILURE

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UPDATE

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LOOP Runtime memory: concept -> mechanism -> example -> tool -> exercise -> court -> update. This page is a node in the ebook production OS, not passive prose.

Graph Agent

Role

Builds concept and mechanism graphs.

Inputs

Goal, topic, source base, constraints, prior outputs, reader model, and OS rules.

Outputs

Structured artifact with confidence tags, operational use, failure modes, and next actions.

Forbidden Operations

Inventing sources, hiding uncertainty, bloating pages, ignoring reader level, copying protected text, or optimizing conversion by lying.

CLAIM

What must the reader believe or understand after this page?

MECHANISM

What process, cause, trade-off, or transformation makes the claim work?

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LOOP Runtime memory: concept -> mechanism -> example -> tool -> exercise -> court -> update. This page is a node in the ebook production OS, not passive prose.

Deployment Agent

Role

Prepares files, metadata, launch assets, and updates.

Inputs

Goal, topic, source base, constraints, prior outputs, reader model, and OS rules.

Outputs

Structured artifact with confidence tags, operational use, failure modes, and next actions.

Forbidden Operations

Inventing sources, hiding uncertainty, bloating pages, ignoring reader level, copying protected text, or optimizing conversion by lying.

CLAIM

What must the reader believe or understand after this page?

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What process, cause, trade-off, or transformation makes the claim work?

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LOOP Runtime memory: concept -> mechanism -> example -> tool -> exercise -> court -> update. This page is a node in the ebook production OS, not passive prose.

Versioning Agent

Role

Maintains changelog, source changes, edition memory, and update roadmap.

Inputs

Goal, topic, source base, constraints, prior outputs, reader model, and OS rules.

Outputs

Structured artifact with confidence tags, operational use, failure modes, and next actions.

Forbidden Operations

Inventing sources, hiding uncertainty, bloating pages, ignoring reader level, copying protected text, or optimizing conversion by lying.

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TOOL LAYER 01

Concept Kernelizer

Purpose

Compresses a topic into central question, tension, hidden variable, minimum concept set, and regeneration rule.

Inputs

Raw text, notes, sources, topic, reader profile, design constraints, and target format.

Algorithm

Normalize -> classify -> extract -> map -> operationalize -> test -> output -> version.

Misuse Risk

The tool becomes fake sophistication if it names operations without producing concrete decisions, templates, or corrections.

CLAIM

What must the reader believe or understand after this page?

MECHANISM

What process, cause, trade-off, or transformation makes the claim work?

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TOOL LAYER 02

Evidence Ranker

Purpose

Tags claims by source type, strength, freshness, relevance, and confidence.

Inputs

Raw text, notes, sources, topic, reader profile, design constraints, and target format.

Algorithm

Normalize -> classify -> extract -> map -> operationalize -> test -> output -> version.

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TOOL LAYER 03

Difference Extractor

Purpose

Finds the distinction that changes decisions or understanding.

Inputs

Raw text, notes, sources, topic, reader profile, design constraints, and target format.

Algorithm

Normalize -> classify -> extract -> map -> operationalize -> test -> output -> version.

Misuse Risk

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What process, cause, trade-off, or transformation makes the claim work?

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LOOP Runtime memory: concept -> mechanism -> example -> tool -> exercise -> court -> update. This page is a node in the ebook production OS, not passive prose.

TOOL LAYER 04

MCD Evaluator

Purpose

Scores concepts qualitatively across distinction density, integration, transformation, agency, prediction, compression, and noise.

Inputs

Raw text, notes, sources, topic, reader profile, design constraints, and target format.

Algorithm

Normalize -> classify -> extract -> map -> operationalize -> test -> output -> version.

Misuse Risk

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QMCD Superposition Map

Purpose

Holds competing models and identifies boundary conditions for each.

Inputs

Raw text, notes, sources, topic, reader profile, design constraints, and target format.

Algorithm

Normalize -> classify -> extract -> map -> operationalize -> test -> output -> version.

Misuse Risk

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TOOL LAYER 06

Chapter Compiler

Purpose

Turns graphs into chapter sequences with examples, tools, courts, and exercises.

Inputs

Raw text, notes, sources, topic, reader profile, design constraints, and target format.

Algorithm

Normalize -> classify -> extract -> map -> operationalize -> test -> output -> version.

Misuse Risk

The tool becomes fake sophistication if it names operations without producing concrete decisions, templates, or corrections.

CLAIM

What must the reader believe or understand after this page?

MECHANISM

What process, cause, trade-off, or transformation makes the claim work?

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LOOP Runtime memory: concept -> mechanism -> example -> tool -> exercise -> court -> update. This page is a node in the ebook production OS, not passive prose.

TOOL LAYER 07

Page Fill Compiler

Purpose

Transforms content into dense dashboard pages with reusable modules and visual hierarchy.

Inputs

Raw text, notes, sources, topic, reader profile, design constraints, and target format.

Algorithm

Normalize -> classify -> extract -> map -> operationalize -> test -> output -> version.

Misuse Risk

The tool becomes fake sophistication if it names operations without producing concrete decisions, templates, or corrections.

CLAIM

What must the reader believe or understand after this page?

MECHANISM

What process, cause, trade-off, or transformation makes the claim work?

ACTION

What can be executed immediately as checklist, rewrite, design, research, or launch step?

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UPDATE

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LOOP Runtime memory: concept -> mechanism -> example -> tool -> exercise -> court -> update. This page is a node in the ebook production OS, not passive prose.

TOOL LAYER 08

Cover Brief Generator

Purpose

Creates art direction, title hierarchy, iconography, mood, palette, and thumbnail tests.

Inputs

Raw text, notes, sources, topic, reader profile, design constraints, and target format.

Algorithm

Normalize -> classify -> extract -> map -> operationalize -> test -> output -> version.

Misuse Risk

The tool becomes fake sophistication if it names operations without producing concrete decisions, templates, or corrections.

CLAIM

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MECHANISM

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UPDATE

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LOOP Runtime memory: concept -> mechanism -> example -> tool -> exercise -> court -> update. This page is a node in the ebook production OS, not passive prose.

Rewrite Upgrade Matrix

Purpose

Diagnoses source passages and rebuilds them with clarity, mechanism, evidence, and exercises.

Inputs

Raw text, notes, sources, topic, reader profile, design constraints, and target format.

Algorithm

Normalize -> classify -> extract -> map -> operationalize -> test -> output -> version.

Misuse Risk

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TOOL LAYER 10

Destruction Court Matrix

Purpose

Audits hallucination, reductionism, false novelty, weak operation, and agentic failure.

Inputs

Raw text, notes, sources, topic, reader profile, design constraints, and target format.

Algorithm

Normalize -> classify -> extract -> map -> operationalize -> test -> output -> version.

Misuse Risk

The tool becomes fake sophistication if it names operations without producing concrete decisions, templates, or corrections.

CLAIM

What must the reader believe or understand after this page?

MECHANISM

What process, cause, trade-off, or transformation makes the claim work?

ACTION

What can be executed immediately as checklist, rewrite, design, research, or launch step?

EVIDENCE

What source level or confidence tag governs this unit?

FAILURE

Where can this page mislead, overclaim, confuse, or become generic?

UPDATE

What feedback or new source would change the next edition?

LOOP Runtime memory: concept -> mechanism -> example -> tool -> exercise -> court -> update. This page is a node in the ebook production OS, not passive prose.

TOOL LAYER 11

RAG Chunking Compiler

Purpose

Creates chunks by concept, claim, evidence, mechanism, tool, skill, loop, critique, and update.

Inputs

Raw text, notes, sources, topic, reader profile, design constraints, and target format.

Algorithm

Normalize -> classify -> extract -> map -> operationalize -> test -> output -> version.

Misuse Risk

The tool becomes fake sophistication if it names operations without producing concrete decisions, templates, or corrections.

CLAIM

What must the reader believe or understand after this page?

MECHANISM

What process, cause, trade-off, or transformation makes the claim work?

ACTION

What can be executed immediately as checklist, rewrite, design, research, or launch step?

EVIDENCE

What source level or confidence tag governs this unit?

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Where can this page mislead, overclaim, confuse, or become generic?

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LOOP Runtime memory: concept -> mechanism -> example -> tool -> exercise -> court -> update. This page is a node in the ebook production OS, not passive prose.

AGI-Readiness Index

Purpose

Evaluates whether the KB improves reasoning, retrieval, critique, skills, loops, and updates.

Inputs

Raw text, notes, sources, topic, reader profile, design constraints, and target format.

Algorithm

Normalize -> classify -> extract -> map -> operationalize -> test -> output -> version.

Misuse Risk

The tool becomes fake sophistication if it names operations without producing concrete decisions, templates, or corrections.

CLAIM

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Chunk Taxonomy

Specification

Create concept chunks, problem chunks, mechanism chunks, tool chunks, skill chunks, loop chunks, evidence chunks, critique chunks, example chunks, hypothesis chunks, and update chunks.

Why It Matters

A serious ebook becomes a future knowledge system when every unit can be retrieved, recombined, tested, and updated.

Implementation Rule

Avoid huge undifferentiated chunks. Split by function: explanation, claim, mechanism, example, tool, skill, loop, critique.

Evaluation

A retrieval answer should return the relevant passage, confidence level, linked concepts, tool, failure mode, and next action.

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Metadata Schema

Specification

domain, section, concept, confidence, centrality, relation type, skill relevance, tool relevance, risk, version, update status.

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Graph Nodes

Specification

concept, claim, source, problem, mechanism, skill, tool, agent, test, failure mode, example, version.

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Graph Edges

Specification

supports, contradicts, refines, generates, operationalizes, tests, trains, retrieves, updates, warns, exemplifies.

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Retrieval Design

Specification

The user should retrieve not only answers but also evidence, related tools, failure modes, examples, and next actions.

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GraphRAG Query Examples

Specification

What explains X? What contradicts X? Which skill trains X? Which evidence supports X? Which tool operationalizes X? What changed in v2?

Why It Matters

A serious ebook becomes a future knowledge system when every unit can be retrieved, recombined, tested, and updated.

Implementation Rule

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Hallucination Court

Attack

Reject invented sources, unsupported statistics, fake guarantees, unclear attributions, and confident claims without evidence.

Questions

What is unsupported? What is too vague? What is hidden? What is generic? What would fail in practice? What would mislead the reader?

Repair

Add evidence, boundary conditions, examples, mechanisms, attributions, warnings, and operational tests; or delete the weak claim.

Pass Standard

The section survives when it becomes clearer, more honest, more usable, and more resistant to expert attack.

CLAIM

What must the reader believe or understand after this page?

MECHANISM

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Reductionism Court

Attack

Reject simplifications that destroy levels, erase exceptions, or convert a system into one cause.

Questions

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Repair

Add evidence, boundary conditions, examples, mechanisms, attributions, warnings, and operational tests; or delete the weak claim.

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False Novelty Court

Attack

Reject renamed common ideas unless the new name creates a new operation, metric, tool, or loop.

Questions

What is unsupported? What is too vague? What is hidden? What is generic? What would fail in practice? What would mislead the reader?

Repair

Add evidence, boundary conditions, examples, mechanisms, attributions, warnings, and operational tests; or delete the weak claim.

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Weak Operationalization Court

Attack

Reject concepts that cannot be used, tested, trained, or translated into a decision.

Questions

What is unsupported? What is too vague? What is hidden? What is generic? What would fail in practice? What would mislead the reader?

Repair

Add evidence, boundary conditions, examples, mechanisms, attributions, warnings, and operational tests; or delete the weak claim.

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Reader Failure Court

Attack

Reject pages that confuse the target reader, overload them, or fail to produce a usable next step.

Questions

What is unsupported? What is too vague? What is hidden? What is generic? What would fail in practice? What would mislead the reader?

Repair

Add evidence, boundary conditions, examples, mechanisms, attributions, warnings, and operational tests; or delete the weak claim.

Pass Standard

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Design Slop Court

Attack

Reject generic covers, random visuals, low contrast, tiny titles, inconsistent spacing, and empty page zones.

Questions

What is unsupported? What is too vague? What is hidden? What is generic? What would fail in practice? What would mislead the reader?

Repair

Add evidence, boundary conditions, examples, mechanisms, attributions, warnings, and operational tests; or delete the weak claim.

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Market Integrity Court

Attack

Reject clickbait where the promise exceeds the actual book value.

Questions

What is unsupported? What is too vague? What is hidden? What is generic? What would fail in practice? What would mislead the reader?

Repair

Add evidence, boundary conditions, examples, mechanisms, attributions, warnings, and operational tests; or delete the weak claim.

Pass Standard

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Rewrite Legality Court

Attack

Reject paraphrase laundering, unlicensed derivative structure, and unattributed transformation of protected work.

Questions

What is unsupported? What is too vague? What is hidden? What is generic? What would fail in practice? What would mislead the reader?

Repair

Add evidence, boundary conditions, examples, mechanisms, attributions, warnings, and operational tests; or delete the weak claim.

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Chapter Template

Structure

Opening problem -> promise -> map -> concept definitions -> mechanism -> examples -> tool -> exercise -> mistakes -> court -> summary -> next chapter bridge.

Use

Copy the template into any chapter or production workflow and complete it before writing final prose.

Quality Rule

A template is not bureaucracy; it is a compression device that prevents missing the important moves.

Expansion

A 700-page ebook can be generated by repeating these templates across all major concepts, mechanisms, cases, tools, skills, and loops.

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Concept Page Template

Structure

Name -> simple definition -> deep definition -> difference from similar concepts -> function -> example -> misuse -> test question.

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Mechanism Page Template

Structure

Input -> transformation -> mediators -> moderators -> thresholds -> feedback -> output -> failure conditions -> test protocol.

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Checklist Page Template

Structure

Action goal -> readiness criteria -> steps -> common errors -> quality score -> next move.

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Case Study Template

Structure

Context -> problem -> constraints -> intervention -> result -> what worked -> what failed -> transferable rule.

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Worksheet Template

Structure

Prompt -> blank field -> example answer -> scoring rubric -> reflection -> next action.

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Cover Brief Template

Structure

Title hierarchy -> promise -> audience -> mood -> palette -> composition -> symbol -> thumbnail test -> forbidden clichés.

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Metadata Template

Structure

Title -> subtitle -> reader intent -> categories -> subject code logic -> keywords -> description -> author promise -> search risk.

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Rewrite Template

Structure

Original idea -> value retained -> flaw -> new structure -> new wording -> example -> evidence tag -> originality check.

Use

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Update Template

Structure

What changed -> why -> affected claims -> revised sections -> new sources -> reader impact -> version note.

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DOMAIN DEPLOYMENT MODE

Technology Ebook

Adaptation

Focus on architecture, trade-offs, implementation paths, security, cost, failure modes, and labs. Avoid hype without working prototypes.

Kernel Question

What transformation should the reader achieve, and what evidence or tradition governs the domain?

Design Move

Use domain-specific visual symbols without clichés. Technology can use abstract systems; health can use calm diagrams; marketing can use high-energy conversion maps.

Court

Do not import the same rhetoric into every field. Each domain has its own evidence standard, risk profile, and reader expectation.

CLAIM

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DOMAIN DEPLOYMENT MODE

Mental Health Ebook

Adaptation

Focus on psychoeducation, coping skills, warning signs, professional boundaries, evidence rank, and non-diagnostic language unless authored by qualified professionals.

Kernel Question

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DOMAIN DEPLOYMENT MODE

Marketing Ebook

Adaptation

Focus on customer psychology, offers, funnels, copy, analytics, positioning, ethical persuasion, and experiments.

Kernel Question

What transformation should the reader achieve, and what evidence or tradition governs the domain?

Design Move

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DOMAIN DEPLOYMENT MODE

SEO Ebook

Adaptation

Focus on intent, SERP reality, topical maps, content quality, internal links, metadata, technical health, and update loops.

Kernel Question

What transformation should the reader achieve, and what evidence or tradition governs the domain?

Design Move

Use domain-specific visual symbols without clichés. Technology can use abstract systems; health can use calm diagrams; marketing can use high-energy conversion maps.

Court

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LOOP Runtime memory: concept -> mechanism -> example -> tool -> exercise -> court -> update. This page is a node in the ebook production OS, not passive prose.

DOMAIN DEPLOYMENT MODE

AI Agents Ebook

Adaptation

Focus on tasks, tools, memory, evaluation, guardrails, workflows, human review, and deployment constraints.

Kernel Question

What transformation should the reader achieve, and what evidence or tradition governs the domain?

Design Move

Use domain-specific visual symbols without clichés. Technology can use abstract systems; health can use calm diagrams; marketing can use high-energy conversion maps.

Court

Do not import the same rhetoric into every field. Each domain has its own evidence standard, risk profile, and reader expectation.

CLAIM

What must the reader believe or understand after this page?

MECHANISM

What process, cause, trade-off, or transformation makes the claim work?

ACTION

What can be executed immediately as checklist, rewrite, design, research, or launch step?

EVIDENCE

What source level or confidence tag governs this unit?

FAILURE

Where can this page mislead, overclaim, confuse, or become generic?

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DOMAIN DEPLOYMENT MODE

Islamic/Heritage Ebook

Adaptation

Focus on source hierarchy, terminology, schools, isnad/matn awareness where relevant, historical context, adab, and boundaries between fact, interpretation, and polemic.

Kernel Question

What transformation should the reader achieve, and what evidence or tradition governs the domain?

Design Move

Use domain-specific visual symbols without clichés. Technology can use abstract systems; health can use calm diagrams; marketing can use high-energy conversion maps.

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Part I - Foundation

Page Range

Pages 1-70: constitution, epistemic safety, ebook ontology, reader psychology, research ethics, standards, and AGI OS architecture.

Expansion Rule

Every page must contain one concept, one mechanism, one example, one operational artifact, and one quality gate. No page exists merely to increase count.

Density Rule

Use the page system: headline, dense block, mini-map, tool/checklist, warning, exercise, footer progress. This fills the page without becoming clutter.

Production Rule

Generate in batches of 25-50 pages, run destruction courts, revise, then continue. A 700-page book should be assembled as a system, not poured as text.

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Part II - Research Engine

Page Range

Pages 71-170: source ladders, claim governance, note systems, evidence compression, topic maps, domain attack, and source-to-skill transfer.

Expansion Rule

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Part III - Pedagogical Engine

Page Range

Pages 171-260: 101 explanation, examples, exercises, cognitive load, memory anchors, diagrams, beginner-to-advanced transitions.

Expansion Rule

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Part IV - Writing Engine

Page Range

Pages 261-350: outline systems, chapter templates, style rules, voice, transitions, conclusions, summaries, and anti-slop rewriting.

Expansion Rule

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Part V - Visual OS

Page Range

Pages 351-460: page grids, cover concept art, typography, palettes, dashboard pages, worksheets, tables, visual hierarchy, no-white-space systems.

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Part VI - Book Transformation

Page Range

Pages 461-540: lawful rewriting, good/weak extraction, compression-rebuild, attribution, originality, chapter upgrade labs.

Expansion Rule

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Part VII - Publishing & Metadata

Page Range

Pages 541-610: EPUB/PDF workflows, KDP checks, metadata, categories, descriptions, pricing, samples, launch pages.

Expansion Rule

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Density Rule

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Part VIII - Agentic Knowledge OS

Page Range

Pages 611-700: RAG/GraphRAG, agents, tools, HyperSkills, HyperLoops, courts, metrics, versioning, update programs.

Expansion Rule

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AGI-READINESS METRIC

Kernel Regeneration

Question

Can the kernel regenerate the whole ebook plan?

Qualitative Score

Low: decorative. Medium: useful in sections. High: repeated across the system. Supreme: embedded in every chapter, tool, page, and update loop.

Evidence

Use reader tests, retrieval tests, expert review, implementation outcomes, launch feedback, and revision history.

Improvement Move

If low, add mechanism, template, exercise, evidence tag, graph relation, or destruction court repair.

CLAIM

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MECHANISM

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AGI-READINESS METRIC

Concept Operationality

Question

Are concepts usable, not merely named?

Qualitative Score

Low: decorative. Medium: useful in sections. High: repeated across the system. Supreme: embedded in every chapter, tool, page, and update loop.

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AGI-READINESS METRIC

Evidence Governance

Question

Are claims tagged and sourced by confidence?

Qualitative Score

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AGI-READINESS METRIC

Retrieval Precision

Question

Can readers and agents find the right unit quickly?

Qualitative Score

Low: decorative. Medium: useful in sections. High: repeated across the system. Supreme: embedded in every chapter, tool, page, and update loop.

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AGI-READINESS METRIC

Graph Connectivity

Question

Are concepts, problems, mechanisms, skills, tools, and tests linked?

Qualitative Score

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AGI-READINESS METRIC

HyperSkill Density

Question

How many pages train a reusable capability?

Qualitative Score

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Evidence

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AGI-READINESS METRIC

HyperLoop Maturity

Question

Are processes repeatable, self-correcting, and updatable?

Qualitative Score

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Evidence

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AGI-READINESS METRIC

Destruction Resistance

Question

Does the book survive critique without collapsing?

Qualitative Score

Low: decorative. Medium: useful in sections. High: repeated across the system. Supreme: embedded in every chapter, tool, page, and update loop.

Evidence

Use reader tests, retrieval tests, expert review, implementation outcomes, launch feedback, and revision history.

Improvement Move

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AGI-READINESS METRIC

Agentic Deployment

Question

Can agents use the KB to produce, review, publish, and update ebooks?

Qualitative Score

Low: decorative. Medium: useful in sections. High: repeated across the system. Supreme: embedded in every chapter, tool, page, and update loop.

Evidence

Use reader tests, retrieval tests, expert review, implementation outcomes, launch feedback, and revision history.

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Research Opening

Question

Does the book open new questions and future editions?

Qualitative Score

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Evidence

Use reader tests, retrieval tests, expert review, implementation outcomes, launch feedback, and revision history.

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FINAL OPERATIONAL KERNEL

The Ebook OS One-Page Command

Mission

Transform any domain into a serious, simple, research-based, visually coherent, operational ebook that improves understanding, skill, decision-making, and future research.

Core Sequence

Reader -> problem -> sources -> claims -> kernel -> concept graph -> mechanisms -> chapter plan -> page system -> tools -> exercises -> courts -> metadata -> publish -> learn -> update.

Quality Formula

High-value ebook = trustworthy claims + generative concepts + clear pedagogy + operational tools + coherent design + market alignment + update memory.

Forbidden Outcome

A long article, passive encyclopedia, generic design, unsupported theory, paraphrase copy, SEO stuffing, or empty-white-space PDF.

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Reusable Prompt for Another Model or Agent

Prompt

You are an Ebook HyperKnowledge OS. For any topic, build a research-governed, beginner-readable, visually coherent, operational ebook system. Extract the kernel, rank evidence, map concepts, build mechanisms, create HyperSkills and HyperLoops, design dense pages, generate cover and metadata briefs, run destruction courts, prepare RAG/GraphRAG chunks, and output a versioned production plan with templates and evaluation metrics.

Runtime Rule

Never invent sources. Never hide uncertainty. Never confuse design density with clutter. Never make a claim without rank. Never leave a concept without function. Never end a chapter without action.

Reader Rule

Teach as 101, reason as research, design as agency, critique as court, deploy as OS.

Memory Rule

Every production cycle updates the knowledge memory: what worked, what failed, what changed, what should be tested next.

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REFERENCE LAYER

Public Standards Consulted for This Fast V2

W3C EPUB 3.3

EPUB is a structured web-content package using HTML, CSS, SVG and other resources in a single-file container. Source: https://www.w3.org/TR/epub-33/

W3C EPUB Accessibility 1.1/1.2

Accessibility conformance and discoverability metadata are part of serious ebook engineering. Source: https://www.w3.org/TR/epub-a11y-11/

W3C WCAG 2.2

Readable, accessible layouts require contrast, navigation, structure, and predictable interaction. Source: https://www.w3.org/TR/WCAG22/

Amazon KDP Cover Image Guidelines

Kindle cover design must respect file format, dimensions, and marketplace constraints. Source: https://kdp.amazon.com/help/topic/G200645690

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Metadata and Category References

BISG BISAC Subject Headings

Subject codes support book classification, discovery and supply-chain metadata. Source: https://www.bisg.org/complete-bisac-subject-headings-list

Use of Sources

These sources govern technical and metadata constraints. The Moussaif AGI OS architecture is a theoretical synthesis layered on top of them.

Update Need

Before final commercial release, re-check platform requirements, accessibility guidance, and marketplace metadata rules because these can change.

Production Note

This PDF is the compressed master OS. It is not a full 700-page manuscript; it is the engine for producing one without slop.

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