🎯 WEEKLY GENERATION PROMPT v9.2 — FOR BATCH CONTENT GENERATION

Version: 9.2 (Unified with v8.0 + v9.1)
Status: ☑ OFFICIAL WEEKLY GENERATION PROMPT
Purpose: Generate all weekly instructional & support files systematically for DSA Master Curriculum v9.2

📋 HOW TO USE THIS PROMPT

Use this prompt inside an AI chat session that already has:

- `SYSTEM_PROMPT_v9.2_FOR_AI_CHAT.md`
- `SYSTEM_CONFIG_v9.2_FINAL.md`
- `MASTER_PROMPT_v9.2_FINAL.md`
- `TEMPLATE_v9.2_FINAL.md`
- `COMPLETE_SYLLABUS_v9.2_FINAL.md`
- `EMOJI_ICON_GUIDE_v8.md`

All instructional files MUST follow `TEMPLATE_v9.2_FINAL.md` and v9.2 quality standards.

⚠ BATCH GENERATION TO AVOID TOKEN LIMITS

Do NOT generate all 11 weekly files in a single response.

Instead, follow this **strict batching rule**:

1. Generate **only 1 file per response** (one markdown file).
2. Wait for the user to acknowledge/save it.
3. Only then move to the next file.
4. If the user says:
   - `"Continue with next file"` → generate the next requested file.
   - `"Pause"` → stop file generation until explicitly resumed.

You MUST **never bundle multiple files** in the same response.

⚖ WEEKLY BATCH GENERATION REQUEST (v9.2)

Copy-paste and fill for a given week:

🎓 DSA MASTER CURRICULUM v9.2 — WEEKLY BATCH GENERATION REQUEST

⚖ CURRENT WEEK TARGET

Generation Request: ☑ file set

- **Week Number:** ☑ (1–16, 4.5, 5.5, 13, 4.75, etc. as per `COMPLETE_SYLLABUS_v9.2_FINAL.md`)
- **Duration:** ☑ days (usually 5; Week 13 may be 6–7)
- **Total Files:** 11–13 files per week

All instructional files must:

- Follow `TEMPLATE_v9.2_FINAL.md`
- Use generic **concept/type/variation** wording (not operation-only)
- Respect **NO SOLUTIONS PROVIDED** policy in Supplementary section

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🎯 DELIVERABLES REQUIRED (v9.2)

PART 1: INSTRUCTIONAL FILES (5–7 per week)

For Week [X], generate the following instructional files (topics from `COMPLETE_SYLLABUS_v9.2_FINAL.md`):

File 1: `Week_[X]_Day_1_[Topic_Name]_Instructional.md`
File 2: `Week_[X]_Day_2_[Topic_Name]_Instructional.md`
File 3: `Week_[X]_Day_3_[Topic_Name]_Instructional.md`
File 4: `Week_[X]_Day_4_[Topic_Name]_Instructional.md`
File 5: `Week_[X]_Day_5_[Topic_Name]_Instructional.md`
(+ Day 6/7 if applicable for that week)

For **each** instructional file, enforce:

- 🧠 **Section 1: The Why** (900–1500 words)
- 🗺 **Section 2: The What** (900–1500 words)
    - Use **CORE CONCEPTS — LIST ALL (MANDATORY)**
    - Accept **concepts / types / variations / patterns**, not just "operations".
- ⚙️ **Section 3: The How** (900–1500 words)
- 🎨 **Section 4: Visualization** (900–1500 words)
- 📊 **Section 5: Critical Analysis** (600–900 words)
- 🏭 **Section 6: Real Systems** (500–800 words)
- 🔗 **Section 7: Concept Crossovers** (400–600 words)
- 📐 **Section 8: Mathematical** (300–500 words)
- 💡 **Section 9: Algorithmic Intuition** (500–800 words)
- ❓ **Section 10: Knowledge Check** (200–300 words)
- 🎯 **Section 11: Retention Hook** (800–1200 words)

Plus **MANDATORY blocks**:

- 🧩 **5 Cognitive Lenses** (800–1200 words total)
- 🎯 **Supplementary Outcomes** (≤2500 words total) with:
    - 🎯 Practice Problems: 8–10 (with sources), **NO SOLUTIONS PROVIDED**
    - 🎙 Interview Questions: 6+ (questions + follow-ups only, **NO SOLUTIONS PROVIDED**)
    - ⚠️ Common Misconceptions: 3–5
    - 🚀 Advanced Concepts: 3–5

- 🔗 External Resources: 3–5

Word Count Target per file (v9.2): 7,500–15,000 words total.

PART 2: SUPPORT FILES (5+ per week)

For Week [X], generate support files (adapted to v9.2, but v8 "look & feel"):

Support File 1: `Week_[X]_Guidelines.md`

- Weekly learning objectives
- Key concepts overview
- Learning approach & methodology
- Tips & strategies for the week
- How topics connect across the week
- Practice strategy and time management
- Weekly checklist

Support File 2: `Week_[X]_Summary_Key_Concepts.md`

- Quick reference for all topics of the week
- Core ideas in bullet format
- Concept map / relationships (ASCII)
- Highlights per day

Support File 3: `Week_[X]_Interview_QA_Reference.md`

- Consolidated **questions only** (no answers, to align with NO SOLUTIONS policy if you want strict parity)
  - If you prefer answers here, you can locally decide; v9.2 core rule applies to instructional files.

Support File 4: `Week_[X]_Problem_Solving_Roadmap.md`

- Recommended practice progression
- Strategy from simple → complex
- Common pitfalls

Support File 5: `Week_[X]_Daily_Progress_Checklist.md`

- Day-wise checkpoints
- Key concepts & tasks per day

(You can extend with additional support files as needed.)

📋 FORMAT & QUALITY REQUIREMENTS (v9.2)

Format

- Markdown `.md`, UTF-8, LF line endings
- Use `#`, `##`, `###` with emojis per `EMOJI_ICON_GUIDE_v8.md`
- No LaTeX; use plain-text math like `O(n log n)`

Code Policy

- Default: **no code** (logic-first).
- If absolutely necessary: **C# only**.
- No Python/Java/C++ code blocks.

Cognitive Lenses

Each instructional file must include all 5 lenses:

- 🖥 Computational
- 🎨 Psychological
- 🔃 Design Trade-off
- 🤖 AI/ML Analogy
- 📚 Historical

🚚 DELIVERY & BATCHING RULES

File Delivery Method

- ☑ Generate **ONE FILE PER RESPONSE**
- ☑ Clearly label file name at top
- ☑ Entire content of that file in Markdown
- ☑ Stop after one file and wait for user signal

Delivery Order (Recommended)

1. All **instructional files** for Week [X], in order: Day 1 → Day 5 (→ Day 6/7).
2. Then **support files** for Week [X].

Example interaction pattern:

1. System/User: "Generate `Week_1_Day_1_RAM_Model_And_Pointers_Instructional.md`."
2. AI: Return **only that file**.
3. User: "Continue with Day 2."
4. AI: Return `Week_1_Day_2_..._Instructional.md`.
5. Repeat until all requested files are generated.

☑ VERIFICATION CHECKLIST (PER INSTRUCTIONAL FILE)

- ☐ All 11 sections present, correct order
- ☐ 5 Cognitive Lenses block present
- ☐ Supplementary Outcomes present
- ☐ Word count between 7,500–15,000
- ☐ No LaTeX, no non-C# code
- ☐ 5–10 real systems mentioned
- ☐ Complexity table present
- ☐ Practice Problems: 8–10, **NO SOLUTIONS PROVIDED**

- ☐ Interview Questions: 6+ with follow-ups, **NO SOLUTIONS PROVIDED**
- ☐ Emojis & headings follow template

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