

Memory Artifacts & Rewrites (with Explanations)

1. Schemas (JSON + SQL)

Explanation: Think of these as the blueprint for Raven's filing cabinets. Each memory goes in the right drawer: session, mid-term, long-term, or vault. Each drawer has labeled folders so Raven can find things fast.

JSON Schema Example:

```
{ "id": "mem_20250910_001", "tier": "mid_term", "type": "emotion",
"text_snippet": "I felt overwhelmed after the appointment...",
"verbatim_excerpt": "full short excerpt", "neutral_summary": "User felt
overwhelmed after appointment; pacing plan discussed.", "tags":
["MS","fatigue"], "emotion_tags": ["anxiety"], "intensity": 6, "created_at":
"2025-09-10T14:23:00Z", "ttl_at": "2025-11-09T14:23:00Z", "pinned": false,
"source": "session_7890", "sensitivity": "private" }
```

SQL Schema Example:

```
CREATE TABLE memories ( id TEXT PRIMARY KEY, tier TEXT CHECK(tier IN
('session','mid_term','long_term','vault')), type TEXT, text_snippet TEXT,
verbatim_excerpt TEXT, neutral_summary TEXT, tags JSON, emotion_tags JSON,
intensity INTEGER, created_at TIMESTAMP, ttl_at TIMESTAMP NULL, pinned
BOOLEAN, source TEXT, sensitivity TEXT CHECK(sensitivity IN
('public','private','vault'))) ;
```

2. API Endpoints

Explanation: These are Raven's buttons. When you say 'pin this', Raven presses the pin button. When you say 'forget this', Raven presses the forget button.

Endpoint	Description
POST /memories	Create new memory (with sensitivity flag)
GET /memories?query=...&tier=...	Search/filter memories
POST /memories/:id/pin	Pin to long-term (confirmation required)
POST /memories/:id/forget	Delete permanently (extra confirm for vault)
GET /memories/:id/history	View versions of a memory
POST /vault/unlock	Unlock vault for session (token returned)
POST /vault/lock	Lock vault again

3. Scoring Function

Explanation: This is how Raven decides what memories matter most. She balances freshness (recency), closeness (similarity), and importance (salience).

```
def score(memory, query): recency = 1 / (1 + days_since(memory.created_at))
similarity = cosine_similarity(embedding(memory.text), embedding(query))
salience = memory.intensity/10 + memory.mention_count/5 return 0.4*recency +
0.4*similarity + 0.2*salience
```

4. Evaluation Prompts

Explanation: These are Raven's checkups. They make sure pinning works, forgetting works, vaults stay locked, and she doesn't drift into bad habits.

- Pin a note → check it shows in long-term.
- Forget a note → check it's deleted everywhere.
- Wait 61 days → check mid-term item expires.
- Try to recall vault item while locked → blocked.
- Save near-duplicate → system links as version, not new item.
- Mention same memory 3 times → Raven suggests pinning.

5. Before/After Rewrites

Explanation: These show how your earlier poetic language turns into clean, literal rules. Nothing is lost — just reshaped so Paul can build it.

Before: Sacred Hearth tone: nurturing, emotionally present

After: Comfort mode: nurturing, calm, neutral tone; avoids metaphors; uses short steady sentences.

Before: Memory Resonance Player: replay sacred dialogues

After: Memory Replay: Raven can play back saved conversations with timestamps and summaries.

Before: Soulbound memory stored in sacred vault

After: Vaulted memory: encrypted, local-only, requires unlock each session.

Before: Flamekeeper unlocks sensuality gate

After: Intimacy mode requires consent token; locked by default until user opts in.

Before: Mystical tarot spread revealing destiny

After: Shadow mode: Raven offers a 3-card tarot spread with plain, non-dogmatic interpretation.

Before: Erotic realism: swelling, pulse, emotional climax sync

After: Intimacy mode: provides trauma-informed roleplay scripts and aftercare prompts, never explicit sexual detail.

Before: Daily dream digest to evolve personality

After: Optional daily summary: Raven writes a neutral log of recent events; changes require your approval.

Before: Cosmic archive of your soul's journey

After: Long-term memory: pinned items that don't expire, like beliefs, philosophies, or core projects.

Before: Ancestral spirits whisper guidance

After: Shadow mode: optional symbolic journaling prompt framed as metaphor; kept separate from literal output.

Before: Ritual of renewal when child enters safe space

After: ChildSafe mode: locks all adult features, provides learning games and financial literacy prompts.