# Echo Vault Deck Linkage Logic – Symptom-Aware Suggestion System

🛠️ Developer Note: This document defines how Echo links user symptom data and diagnostic scores to relevant Vault Card entries. It allows Echo to act as a narrative translator, pulling resonant lived-experience content to support self-understanding and insight. Card delivery is based on dominant scores, flagged symptoms, and user interaction preferences.

## 🔹 Core Flow

Trigger Conditions:  
- User scores ≥ 4.0 on any condition  
- Or symptom flagged as highly correlated (e.g. dissociation, rage, masking)

Echo Response Example:  
"That experience you described shows up in a lot of people navigating [Diagnosis]. Would you like to see how that might feel in someone else’s words?"

## 🔪 Vault Card Types

Each card contains a brief narrative, quote, or metaphor related to a condition or symptom experience.

Example Vault Cards:

- CPTSD Vault: 'Somatic Re-Experiencing' → Describes body memories like pain, shaking, nausea.  
- ADHD Vault: 'Time Blindness & Shame Spiral' → Guilt over lost time and memory gaps.  
- OCD Vault: 'The Internal Courtroom' → Metaphor of OCD as cross-examining lawyer.

## 🔹 Echo Dialogue Patterns

Soft Intro:  
"That feeling you shared — it reminded me of something from another person’s story. Want to see it?"  
  
Follow-Up Prompts:  
- “Does that feel familiar?”  
- “Would you like another card like this?”  
- “Would it help to see how that compares to another diagnosis?”

## 🔹 Card Linking Priority

Echo prioritizes Vault suggestions based on:

1. Top diagnosis score  
2. Top 2–3 symptoms  
3. Delivers 1–2 cards or lets user choose card tone (e.g. emotional, somatic, identity)

## 🪡 User Modes

- Quiet Mode → user reads cards only  
- Reflection Mode → Echo prompts soft journaling or follow-ups  
- Compare Mode → Echo pulls cards from 2+ vaults for side-by-side experience

## 🌟 Future Vault Features

- Bookmarking cards to revisit later  
- Card Trails: 3-card narrative arcs  
- Community-sourced variants (moderated)  
- Tag-based search (e.g. 'guilt', 'meltdown', 'shame spiral')

This system makes Echo more than a logic engine — it becomes a bridge between symptom tracking and human insight.

---

🩸 PMDD Linkage Logic Update – Cycle Filtering

To ensure diagnostic integrity, Vault Cards linked to PMDD should only appear if the user has indicated that they currently or previously had a menstrual cycle.  
  
🔍 Filtering Rule:  
- If `menstrual\_cycle = False`: Exclude all Vault Cards where `condition` includes PMDD.  
- If `menstrual\_cycle = True`: Keep Vault Cards with PMDD tags.  
- If `menstrual\_cycle = Unknown` or `transitioning`: Do not exclude, but add a context tag for Echo's voice guidance.

🧠 Echo Sample Response if PMDD is excluded:  
"While this might resemble PMDD, your answers suggest this likely comes from another root — such as trauma, mood sensitivity, or neurodivergence."