

## Flashcard Learning App - User Guide

*Designed using Progressive Disclosure for clarity and ease of use*

### Introduction

This flashcard app helps you actively learn the core concepts from Chapters 1–4 of the Generative AI Professional Prompt Engineering Guide.

Instead of passively reading, you will flip cards, rate their difficulty, track your progress across chapters, reflect on your learning at the end of each session, and export a personalized Study Strategy Dashboard to analyze how your brain is learning.

The app adjusts itself through three study modes—Basic, Standard, and Expert—so you always get the right tools without being overwhelmed. The application opens in **Standard Mode (Recommended Defaults)** by default, and you can switch modes at any time.

### Basic Mode – “Just Study”

Basic Mode is the simplest, cleanest version of the app. If you want to just start learning with no distractions, this is your mode.

#### What You See

In Basic Mode, you see only the essential elements:

- Flashcard (front = question, back = answer)
- Chapter tabs (Ch 1–4)
- Flip interaction (click card or press SPACE)
- Hard / Medium / Easy rating buttons
- Next / Previous arrows
- Progress bar (current card number)
- Session Summary (at the end)

#### What You Can Do

##### 1. Select a chapter

Choose Ch 1, Ch 2, Ch 3, or Ch 4 to begin studying.

##### 2. Flip the card

Click the card or press SPACE to reveal the correct answer.

##### 3. Rate how difficult the card felt

After revealing the back of the card, choose a difficulty rating:

- ★ Hard
- ★ Medium
- ★ Easy

Your difficulty ratings feed into your learning summary and analysis so you can see where to focus in future sessions.

#### **4. Move between cards**

Use the navigation controls to move through the deck:

- Next or the right arrow key to go forward
- ← Previous or the left arrow key to go backward

#### **5. Review your session**

After the last card, the app guides you through a short Reflection Check-In and then displays your Session Summary. The summary can include:

- Total cards reviewed
- How many were marked Hard, Medium, and Easy
- Section-by-section breakdown
- Total time spent (if timing is enabled)

This helps you understand where to focus during your next study cycle.

### **Standard Mode – “Recommended Defaults”**

Standard Mode is the default starting mode. It enables more learning tools while keeping the interface simple and easy to use.

#### **New Controls You See in Standard Mode**

In addition to everything in Basic Mode, Standard Mode introduces the following controls:

Shuffle – choose whether cards appear in random order.

Spaced – turns on a gentle spaced-repetition system. You will see messages such as

Spaced Mode: prioritizing cards based on difficulty and time since last seen.”

Timing – tracks how long you spend on each card and for the whole session.

Session Analysis – generates a personalized AI-ready coaching prompt based on your study data.

#### **What You Can Do in Standard Mode**

##### **1. Activate Shuffle**

Turn Shuffle on to mix the deck into a random order. Select the control again to turn it off. Shuffle is automatically disabled if Spaced Mode is active, so that the spaced-repetition system can manage card order.

##### **2. Turn on Spaced Repetition**

Select Spaced: On to activate a gentle spaced-repetition system. The app will:

- Show unseen cards first

- Review Hard cards more often

- Review Easy cards less frequently

This reinforces long-term memory without overloading you.

### **3. Control timing**

Select Timing: On/Off to decide whether the app records how long you spend on each card and your total session duration. Timing data appears in the summary and in the exported dashboard.

## **Expert Mode – “All the Levers”**

Expert Mode exposes every tool the app can offer. This mode is designed for deep learners, instructors, high-performance students, and anyone who wants full control and detailed diagnostics.

### **New Tools Available in Expert Mode**

#### **1. Hard Only Mode**

Select Hard Only: On to study only the cards you have previously marked Hard. This is ideal for tightening your weakest areas before an exam, workshop, or coaching session.

#### **2. Advanced study controls**

In Expert Mode, you can configure Shuffle, Spaced Repetition, Hard Only, and Timing in any combination. This allows you to precisely control how the deck behaves and how data is collected.

#### **3. Micro-metrics for each card**

Expert Mode surfaces subtle per-card tracking (not visible in Basic or Standard modes), such as:

- How many times you have seen this card

- Whether you have rated it before

- How your time spent aligns with your difficulty rating

These indicators remain compact and context-rich, so they support your study without cluttering the interface.

#### **4. Full Chapter-level Analysis**

The Session Analysis output becomes even more powerful in Expert Mode because it can incorporate:

- More precise card timing

- More variation in difficulty ratings

Multiple cycles of spaced repetition

Insights from Hard Only sessions

As you use more expert features, your AI-generated dashboard becomes increasingly accurate and actionable.

### Reflection Mode – “Metacognitive Wrap-Up”

Regardless of which study mode you are in, you will always see the Reflection Check-In before the Session Summary.

Reflection Mode deepens your metacognition by helping you identify confusion, commit to an improved strategy, and prepare for your next study block.

#### What You Do in Reflection Mode

During Reflection Mode, you will:

Choose the section that felt most confusing

Write one short intention for next time

Select **Save Reflection** or **Skip**

Your reflection is stored in your session history and included in the exported AI analysis so your future coaching and study strategies can build on it.

### You're Ready to Begin

Choose the mode that best matches your current learning goal:

Basic Mode for simplicity and focus

Standard Mode (default) for guided improvement

Expert Mode for total control and advanced diagnostics

Once you have chosen your mode, begin your next learning cycle and let the app guide you through a structured, data-informed study experience.