

From Base44 to Jetpack Compose - Building Android Apps with Ease - Prompts

Prompt to ChatGPT:

Create a prompt for base44 for an app: Flashcard Quiz App User adds cards with Question + Answer. Flip the card UI to reveal the answer. Shuffle through cards (temporary storage in a list). No DB → cards vanish on restart. Teaches: text input, card UI, animations (card flip), list state.

ChatGPT Response:

Here's a Base44-friendly prompt you can drop straight into their platform to generate a prototype for the **Flashcard Quiz App**:

Prompt for Base44:

Create a **Flashcard Quiz App** with the following features:

- The user can add new flashcards by entering a **Question** and an **Answer** in text fields.
- The app should display a list of created flashcards. Each flashcard should initially show only the **Question**.
- When the user taps a flashcard, it should **flip with an animation** to reveal the **Answer**.
- Include a **Shuffle button** that randomizes the order of the flashcards in the list.
- The data can be stored only in memory (no database) so that cards disappear when the app is restarted.
- The design should be simple, clean, and beginner-friendly, focusing on **lists, text input, animations, and state changes**.

Do you want me to also write a **step-by-step breakdown** of how this Base44 app would later map into Jetpack Compose (so your students can clearly see the transition from no-code → code)?

Second Prompt to ChatGPT:

Extend this and go into details regarding what kind of flashcard app. Create a Flashcard Quiz App with the following features: The user can add new flashcards by entering a Question and an Answer in text fields. The app should display a list of created flashcards. Each flashcard should initially show only the Question. When the user taps a flashcard, it should flip with an animation to reveal the Answer. Include a Shuffle button that randomizes the order of the flashcards in the list.

Final ChatGPT Response:

Here's a more extended and detailed version of the **Flashcard Quiz App prompt** that gives it structure, makes it engaging, and sets up a clear path for students:

Extended Prompt for Base44:

Create a **Flashcard Quiz App** designed for quick study sessions. The goal is to help users create, review, and quiz themselves with custom flashcards.

Core Features

- **Add Flashcards:**
 - Two text fields: one for entering a *Question* and one for the *Answer*.
 - A button to add the flashcard to the session's deck.
 - Clear, simple form layout with validation (e.g., don't allow empty questions).
- **Flashcard Display:**
 - Show a scrollable list of flashcards.
 - Each flashcard should display only the *Question* side initially.
 - Tapping on a flashcard should trigger a **flip animation** (card flip effect) that reveals the *Answer*.
 - A second tap should flip it back to the *Question*.
- **Shuffle Mode:**
 - A "Shuffle" button reshuffles the order of flashcards in the current session.
 - This makes reviewing more dynamic and prevents memorization by order.
- **Session-only Storage:**
 - Flashcards exist only in memory and disappear when the app restarts.
 - No database or external storage is needed.

Extra Details to Enhance Learning

- **Styling:** Use a card-like UI with rounded corners and slight shadows, so flashcards feel tactile.
- **Quiz Feel:** Consider a toggle between "Study Mode" (view the list) and "Quiz Mode" (show one card at a time, swipe to move through cards).
- **Animations:** Keep the flip animation smooth and simple, focusing on teaching state changes and transitions.
- **Beginner-Friendly:** Keep the overall design clean and uncluttered so students can focus on core concepts like text input, state, lists, and animations.

Learning Goals for Students

- **State Management:** Handling user input and updating a dynamic list.
- **UI Components:** Text fields, buttons, and card layouts.
- **Animations:** Card flip interaction.
- **Randomization:** Implementing shuffle logic.

- **App Structure:** Understanding session-only storage vs. persistence.

This version gives Base44 a **direction**: the app isn't just "make cards" → it's a **study companion**, with a feel closer to apps like Quizlet but stripped down to the essentials (making it perfect for your Jetpack Compose course).

👉 Do you want me to also draft a **Jetpack Compose teaching roadmap** for this (e.g., Lesson 1: Inputs, Lesson 2: Card List, Lesson 3: Flip Animation, etc.) so you can scaffold the course nicely?