

## Backboard.io Technical Challenge

### Title: Memory Lane: Adaptive AI Journeys

**Description:** Create an AI application that dynamically adapts its responses and actions based on a user's historical interactions and preferences. Your application should demonstrate the ability to switch between different AI models to leverage their unique strengths for various tasks within the user's journey.

#### Judging Criteria:

- **Adaptive Memory:** How effectively the application utilizes past interactions to personalize the current experience.
- **Model Switching:** Demonstrates intelligent switching between different LLMs to handle diverse aspects of the user's journey (e.g., one model for creative writing, another for data analysis, another for code generation). The application must utilize a minimum of two different models from the following providers:
  - OpenAI (ChatGPT)
  - Google (Gemini)
  - Xai (Grok)
  - Cohere (Command)
  - Anthropic (Claude)
  - OpenRouter
- **Framework:** Must utilize a modern framework (Backboard.io, LangGraph, AutoGen, or CrewAI)

**Important Note to Participants:** All of these models, along with Backboard.io's memory capabilities, are accessible through Backboard.io's single API, allowing for seamless integration. In fact, Backboard.io's API provides access to over 2,200 LLMs, enabling participants to experiment with an unparalleled range of AI capabilities.

- **User Experience:** The overall intuitiveness and engagement of the application for the end-user.
- **Technical Implementation:** Clean code, efficient use of Backboard.io's features, and innovative problem-solving.

All participants will receive \$10 in developer credits by registering their team at:

**API Access:** [Backboard.io/hackathons](https://backboard.io/hackathons)

**Promo code:** UOFTHACKS26

Check a quick walkthrough video here: <https://www.youtube.com/watch?v=LkDBg8OaA>

**Prize:**

IRL Memory Creation - A \$500 gift certificate towards creating a lasting and memorable experience of the winning team's choice (e.g., a fine dining restaurant, a concert, or a sporting event).