Capstone Ideas[Yujie Li]

**1. Community Event Finder**

**Title:** Community Event Finder

**Problem:** People often miss out on local events such as fairs, exhibitions, and workshops due to a lack of awareness or difficulty in finding information online.

**APIs Used:** Eventful API or Predicthq API to fetch information about local events.

**Idea:** Create a website that serves as a one-stop solution for discovering community events based on the user’s location. The site will allow users to search for events by categories (music, art, education, etc.), see details like time, location, and description, and even RSVP or purchase tickets if necessary. This project aims to enhance community engagement and ensure people have easy access to cultural and educational resources.

**2. Budget Travel Planner**

**Title:** Budget Trekker

**Problem:** Travelers often need help planning trips within a budget, especially when trying to understand the costs related to accommodations, local travel, and dining.

**APIs Used:** Skyscanner API for flights, Hostelworld API for affordable accommodations, and other travel-related APIs for cost estimation.

**Idea:** The website will allow users to input their budget and desired travel dates and destinations. The tool will then suggest itineraries that include cost-effective flights, accommodations, and estimated daily expenses for food and local transport. The platform could include community-driven tips and tricks for saving money at selected destinations, enhancing the budget travel experience.

**3. Smart Recipe Finder**

**Title:** FlavorQuest

**Problem:** Home cooks often struggle to find recipes based on the ingredients they already have, their dietary restrictions, and their cooking skill level.

**APIs Used:** Spoonacular API, which provides access to thousands of recipes, along with information about ingredients, nutrition, and dietary restrictions.

**Idea:** Develop a web application where users can input their available ingredients, select dietary preferences (e.g., vegan, gluten-free), and receive recipe recommendations. The app could feature meal planning tools, nutritional insights, and cooking tutorials to assist users in expanding their culinary skills and meal variety.