

Capstone 2: Initial Project Ideas

1. Expense Tracker Web App

This app would entail the main aspect of expenses, whether its someone looking for a way to save for a goal or to figure out what they need to cut back on. It will be a way for users to get access to budgets, and moneybooks details. The app would be a good way for users to learn new ways to save money or to establish a goal that they can work towards achieving for any goals. This app interests me the most due to it applying to just about anyone for everyday expenses.

My App would include

- **Core Functionality:** User Authentication, Add Expenses, add income, categorization, budget setup, track spending, recurring transactions, notifications.
- **Visualizations:** Pie Charts, BarGraphs, Budget Progress Bars
- **Data Mangement:** search and filter, export to (CSV or PDF), cloud sync, offline mode
- **Optional Features:** Currency Converter, OCR Support, AI Suggestions.
- **API's:** [ExchangeRate-API](#), Open Exchange Rates (free tier), CurrencyFreaks, **WorldTimeAPI**, **IP Geolocation API (ip-api.com)**, **Chart.js**, **QuickChart**, **Auth**, **Auth0 (free tier)**.

2. Gamerfuel Giveways APP

What if you wanted a way to keep up and stay up to date with information on free games or trials from development companies. Sometimes these developers do giveaways for their dedicated players and they could be easy to miss. This is an app that can help players stay on track and establish their own catch on these freebies.

My App would allow users to keep track of the free game keys or exclusive in game loot

- Return details from a specific giveaway.
- API Live - giveaways by popularity
- API Live - giveaways by platform
- Rich Giveaway data - includes instructions, expiration dates, and more.
- Integration of giveaways into applications, websites or projects.

The App could provide an option to receive reminder(s)/updates on the giveaways.

3. Traveling and Flights Data App

Traveling is something that many people do. Whether its by car, plane or other methods of transportation. We all like to book or see information of what the pricing or availability for a flight would be. Or even for hotels.

My App would help individuals who need information on travel related data while using the following:

- **Flight APIs** (flight search, flight booking and airport information)
- **Destination Experiences APIs** (tours and activities, tourist attractions and safety data)
- **Cars and Transfers APIs** (transfer search, booking and management)
- **Market Insights** (most booked and traveled destinations, plus location scores)
- **Hotel API's** (hotel search, booking and ratings)
- **Itinerary Management API's** (trip-planning functionalities)