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Springboard Sofware Career Track

Capstone 1: Project Idea Brainstorm

Project Ideas

Idea 1: (MAIN idea) Dungeons & Dragons (D&D) Website

I want to build this Dungeons & Dragons (D&D) website using my own API to provide a comprehensive platform for D&D players to enhance their gaming experience. The website will serve as a centralized hub where players can manage their games, characters, and interactions with other players, facilitating a more immersive and organized gameplay environment.

Features to be Built

1. **Authentication**:
   - Secure user registration and login system to ensure user data privacy and personalized experiences.
2. **Rules Page**:
   - A dedicated page containing the rules and guidelines of D&D, providing easy access to game mechanics and standards.
3. **Maps Page**:
   - Users can choose from existing maps or upload their own maps.
   - Interactive map features including zoom in and zoom out functionality for detailed navigation.
4. **Roll Ball Mini-Window**:

- An integrated mini-window (or as new page) for rolling dice, simulating the roll ball with numbers, essential for game mechanics.
5. **Friendship System**:
   - Users can send and accept friend requests.
   - Manage a list of friends.
6. **Forum System**:
   - A messaging forum system allowing players to communicate with each other.
   - Notifications for new messages and friend requests to keep players informed. (as possible)
7. **Game-Session Calendar**:
   - A calendar feature where users can schedule and manage game sessions.
8. **User-Character Management**:
   - Forms for creating and editing user characters.
   - Users can have multiple characters, each with detailed profiles and attributes.

This website aims to create a seamless and engaging platform for D&D players to enhance their overall gaming experience by providing essential tools and features in one place.

Idea 2: Event Invitation Management System

Purpose: To create a platform where users can efficiently manage events, send invitations, track RSVPs, and engage with attendees.

Features to be Built

User Authentication:
- Secure sign up, log in, and log out.
- Session management for logged-in users.

Create and Manage Events:
- Users can create events with title, description, date, time, location, and cover image.
- Dashboard for viewing and managing events.

Invite Friends:

- Users can invite friends via email.
- Send invitation emails with event details and RSVP link.

Comment System:
- Invitees can leave comments or ask questions about the event.

Idea 3: Cocktail Maker App

Why I Want to Build This Website

I want to create a fun and interactive platform where users can discover, save, and share cocktail recipes. This app will enhance the cocktail-making experience by providing users with personalized features and an extensive cocktail database.

Using this API:

https://www.thecocktaildb.com/api.php?ref=apilist.fun

Features to be Built

User Authentication:
- Secure sign up, log in, and log out.
- Session management for logged-in users.

Random Cocktail for "Happy Hour":
- Offer users a random cocktail suggestion to make their happy hour special.

User Account and "My Cocktail Book":
- Users can save their favorite recipes in "My Cocktail Book".
- Add and delete cocktails from their collection.
- Mark cocktails with a heart to indicate favorites.

Search Functionality:
- Users can search for cocktails by ingredients or by name.

Cocktail List with Details:
- Display all cocktails in a list with pictures.
- Users can view detailed recipes and ingredients for each cocktail.

Filter Cocktails:
- Users can filter cocktails by non-alcoholic and alcoholic options.