

WDD 330 Final Web Application Proposal

Feast Together

Overview

The Feast Together Application is a web platform designed to help users plan meals for small group gatherings. The platform addresses the common challenges of finding recipes that cater to different dietary needs and preferences while ensuring variety and ease of preparation. Using the Spoonacular API, this project will empower hosts to create tailored meal plans, save time, and reduce stress. This application combines the need for convenience, inclusiveness, and community bonding through shared meals.

Target Audience

Hosting group meals can be daunting, especially when accommodating diverse dietary preferences. This application aims to make hosting seamless and enjoyable, fostering stronger connections through food.

Primary Users:

Hosts of small gatherings such as family dinners, friend meetups, or casual community events.

Secondary Users:

Individuals seeking inspiration for group meal preparation or exploring diverse cuisines.

Major Functions

- **User Account Creation and Management:**
Allow users to create accounts, log in, and save their preferences and meal plans.
- **Meal Search and Suggestions:**
Enable users to search for recipes based on dietary preferences, cuisine type, and ingredients using the Spoonacular API.
- **Group Profile Creation:**
Users can create profiles for their gatherings, specifying group size, dietary restrictions, and themes.
- **Meal Plan Generator:**
Generate a complete meal plan (appetizer, main course, dessert) tailored to group profiles.
- **Ingredient Shopping List:**
Automatically create a shopping list based on selected recipes, categorized by section (e.g., produce, dairy).
- **Save and Share Meal Plans:**
Users can save meal plans for future use and share them via email or social media.

- **Responsive Design:**
Provide a seamless experience across mobile and desktop with intuitive navigation and clean layouts.
- **CSS Animations:**
Include animations for page transitions, loading indicators, and interactive elements (e.g., hover effects on buttons).

Wireframes

- You should be displaying your wireframes here.
[Include wireframes of the major views, both mobile and desktop. Tools like Balsamiq, Figma, or even hand-drawn sketches can be used.]
- You can describe content pieces for each view in the application.

External Data

- **Spoonacular API:** Data used: Recipe details (name, image, instructions), dietary info, nutritional facts, and ingredient lists.

Data Storage

- **User profiles, saved meal plans, and shopping lists stored in localStorage**

Module List

- **Home Page Module:**
Displays the app's purpose and entry points to features.
- **Search Module:**
Interfaces with the Spoonacular API to fetch and display recipes.
- **Meal Plan Module:**
Combines selected recipes into a coherent meal plan.
- **Shopping List Module:**
Converts meal plan ingredients into an organized shopping list.
- **User Authentication Module:**
Manages user account creation, login, and data retrieval.
- **Group Profile Module:**
Captures group preferences to personalize suggestions.
- **Responsive Layout Module:**
Ensures the UI adapts to various screen sizes

Graphic Identity

Colors:

- *Show color wheel*
- Primary: #6C63FF (Vibrant Indigo)
- Secondary: #FFA31A (Warm Orange)
- Neutral: #F7F7F7 (Light Gray), #333333 (Charcoal Gray)

Typography

- Heading: "Poppins" (Sans-serif)
- Body: "Roboto" (Sans-serif)

Icon Design

- A group eating a large meal together. I will need to simplify this



Timeline (Weeks 5-7)

Week 4

- Finalized wireframes

Week 5

- Finalize wireframes and graphic identity.
- Implement the homepage with basic CSS animations.
- Establish API connection and fetch sample data.

Week 6

- Develop search and meal plan modules.
- Implement responsive layouts for search results and meal plans.
- Begin work on the shopping list module.

Week 7

- Complete the shopping list and user profile modules.
- Debug and refine animations.
- Perform final testing and accessibility checks.

Project Planning

A detailed [Trello board](#) will include the following tasks:

- Create wireframes and finalize UI design.
- Set up API connection.
- Develop individual modules (home page, search, meal plan).
- Test responsiveness and animations.
- Perform usability testing and polish UI.