
Capstone 1 Project Proposal

FOOD APP

GOAL

The food app is a web application that allows users to browse and search for recipes, save their favorite recipes, and edit their profiles. The app will use the MealDB API to retrieve recipes.

USER DEMOGRAPHIC

The demographic of users for this app is broad and diverse, as food is a universal necessity and interest. Users that use this app will most likely have different levels of experience with cooking and different dietary needs, such as vegetarian, vegan, gluten-free, etc.

API

'<https://www.themealdb.com/api.php>' API will be used for this project.

OUTLINE

Schema:

- Favourites: This table will include favorite id, recipe name and user id.
- Users: This table will include user id, email, username, image_url & password.

Issues with API:

- Data quality issues due to using an external API.
- API availability.
- Security issues.

Sensitive Information Security:

- User password

Functionality:

- User registration and login: Users can create an account and login to access the app's features.
- Recipe search: Users can search for a recipe by entering the name of the recipe.
- Recipe details: Users can click on a recipe from a category to view its details, including ingredients, directions and recipe video.
- Favorite recipes: Users can save their favorite recipes for easy access later and view them on the favorites page.
- User profile: Each user will have a profile page that displays their username and profile image.
- Edit profile: Users can edit their profile information, including their username, email, and profile image.
- Delete profile: Users can delete their profile if they no longer want to use the app.
- About: The app will have an "about" page that provides information about the app.
- Log out: Users can logout of the app to end their session.
- Security: The app will implement appropriate security measures to protect user data and prevent unauthorized access.
- API: The app will integrate an external API to provide accurate recipe data.

User Flow:

- User arrives at a login page where the user can either login to an existing account or signup with a new account.
- Once user has logged in, the app homepage with food categories will be displayed.
- User can select a category view a list of recipes by selecting a food category.
- User can view the details, including ingredients, directions and recipe video of a recipe by selecting it from the category.
- User can favorite a recipe by clicking on the favorite button. User can view the favorited recipes by clicking on the "favorites" button on the navbar.
- User can also search a recipe from the search bar on the navbar.
- User can view the about page from the navbar by clicking on the "about" button.
- User can view their profile details by clicking on the profile image on the navbar.
- User can edit or delete their profile from the profile details page.
- User can log out by clicking on the logout button on the navbar.

Features beyond CRUD:

- User authentication
- Recipe search & details
- User profile
- User favorites
- Editing and deleting user profile