Capstone Proposal

For my capstone project i will be creating a web application called makeameal designed for users to register and create a profile in which they can log in and out. A user can search for recipes based on category, ingredient or preferences. Then able to choose recipes, add their favorites into a recipe book. Remove recipes from their recipe book and also able to delete user account.

The Makeameal web app will be designed for everyday cooks or novice cooks looking for complete new recipes. It will be a simple app easily used by anyone from food enthusiast and non technical users. A college student can learn how to cook, a housewife can pick a meal or a cook can try a new recipe.

For this project i will use the meal db api and retrieve recipe and ingredients data, meal categories, meal main ingredients and user data with favorite meals and preferences.

In order to create this project first i will be creating my models like this

User

* Username-text
* Password-text
* Allergies-string list property
* Favorite recipes-string list property

Meal

* mealname-text
* Ingredients-string list property
* Allergic-True
* category-Text
* Favorite- boolean

Create a register and log in form

create routes to interact with api

Retrieve the data and render it

One of the issues I will face will be filtering by multiple ingredients because you must pay to access that route. And also securing user information like password and page authorization so a user can not access, update or delete another user's information or account. This web app will offer simplicity, security, search options and user preferences.