

# What's Sup?

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# Description

The *What's Sup* web application will solve the age-old question of “What’s for supper?” by letting the user search for new recipes.

A user who has made an account can enter the ingredients they possess in their kitchen and be shown results filtered based on the ingredients in their kitchen.



# Features

- Login/registration for the user to create and manage a profile.
- Create and update the user's ingredients in their Kitchen.
- View recipes returned from the database.
- Upload and view the user's own recipes to the database.
- Search by ingredient to find ingredient-specific recipes



# Planning - User Stories

Main Function: Suggest Recipe based on available ingredients

- My Kitchen: User adds ingredients to database
- Match Recipes: Database returns list of possible recipes
- View Recipe: User clicks a link to view recipe

Add Recipes

- Users add recipes to database
- Community pool to choose from



# Planning - Database

Core tables:

- User table, Recipe table, Ingredient table.

Relationships:

- The User is able to create many Recipes, and each Recipe has one User as its author, so a OneToMany/ManyToOne relationship would connect the two.
- Tags bind Ingredients to Recipes for the search function.  
ManyToMany relationship



# Technology Stack

- Languages: Java and JavaScript
- Spring Boot
- Thymeleaf
- MySql
- Bootstrap 4,5
- IntelliJ Idea
- HTML 5



# What I Learned

- Agile Development / Project Planning
- Trello
- Git / Github Code Sharing
- Spring
- Bootstrap 4,5



# What's Next

- A random matching feature that matches the user with random recipes from the database based on their possessed ingredients.
- A shopping list to which the user can add ingredients when they lack the proper ingredients to make a dish from a recipe.
- Adjust navbar so that it changes based on user login status and only landing, login, and registration pages are shown unless logged in.
- Skills and equipment features added to the kitchen page that further filters recipes suggested for the user.
- Enable users to upload pictures of their added recipe final products.
- Deploy the application.

