

What's Cooking Application Guide

Running Application on Local Computer

There are a few ways for us to run this program. Below we will show two ways of doing it. One is using the IntelliJ IDE, which is used to code the application, and another one is using the GIT Bash commands.

Using IntelliJ IDE

1. Go to the folder of the application following the path: `src\main\java\com\swe\whatcooking`
2. Run the `WhatsCookingApplication.java` file

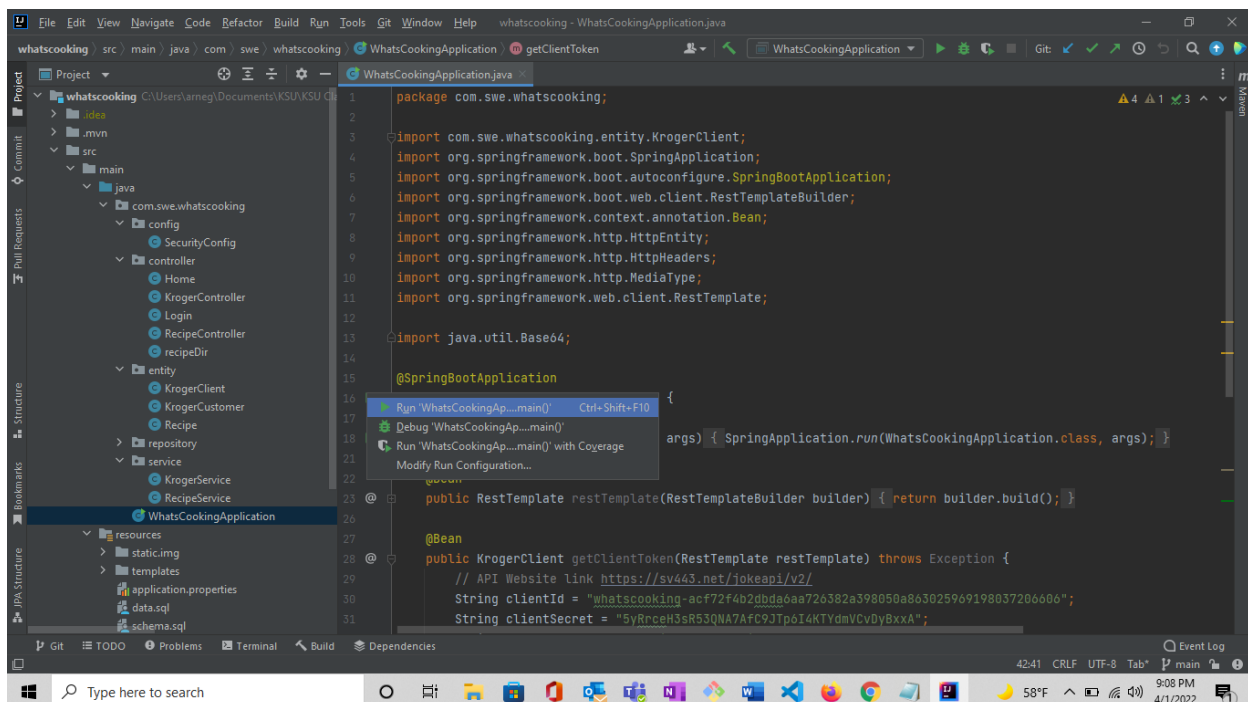


Figure 1- IntelliJ IDE View

Using Git Bash

The steps below include the cloning of the project. If you have done the cloning already, go to the main folder in which the POM file will be available along with the read me and such, and enter only the third command as shown in figure 2.

1. `$ git clone https://github.com/marcusdorseyl/WhatsApp2.git`
2. `$ cd WhatsApp2`
3. `$./mvnw spring-boot:run`

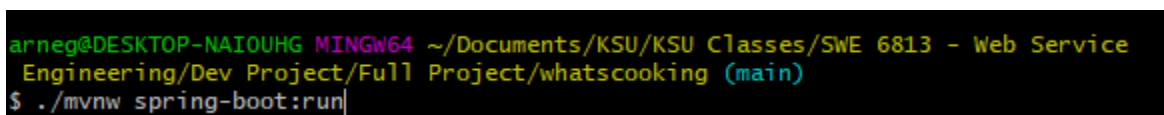


Figure 2- Running Spring Boot Application Command

Dynamic Web Application

You will be taken to the home page of our application. Currently this shows a dynamic view of the layout we would like to show our users. From this page we can select the any of the navigation button to see more information about a feature or section of the application. Press any View Created Recipes navigation link to test our next Feature.

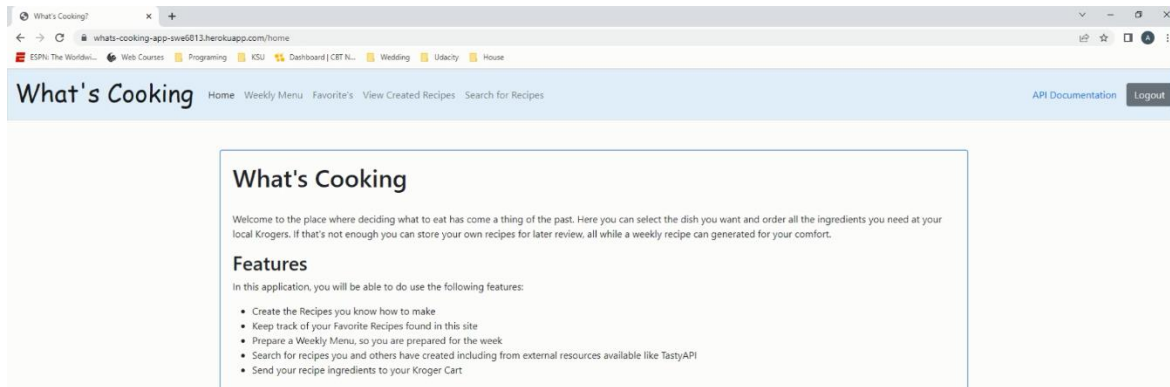


Figure 5- What's Cooking Home Page

Recipes

This application is centered on recipes. We allow users to create, delete and view recipes including adding the ones they like to their Weekly Menu and Favorites. In the sections below we will cover all the actions on the various pages.

View All Created Recipes

When selecting the link View Created Recipes, we are taken to our Recipes page where it will house all the recipes we have created in this application. In here, we have the options to Create, View, Delete or add to Favorites or Menu.

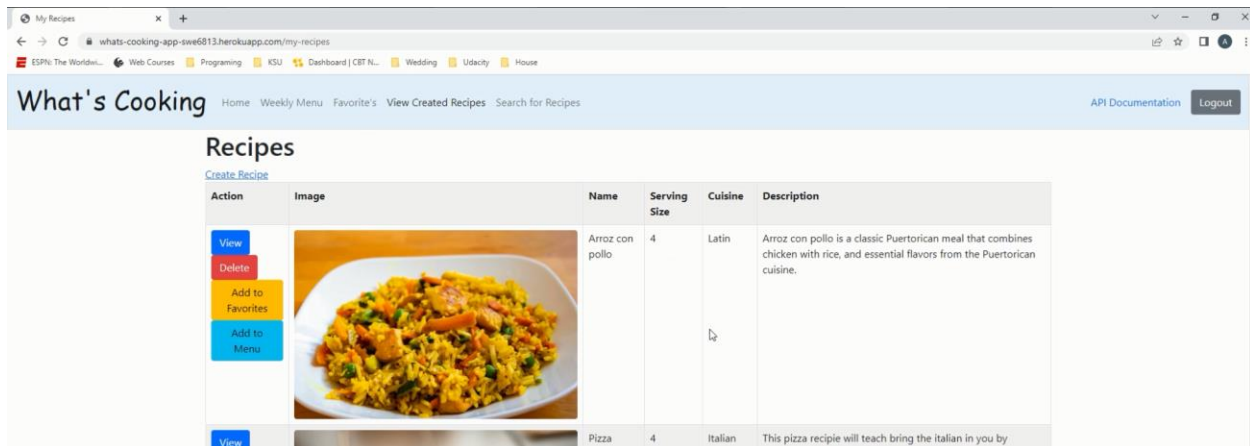
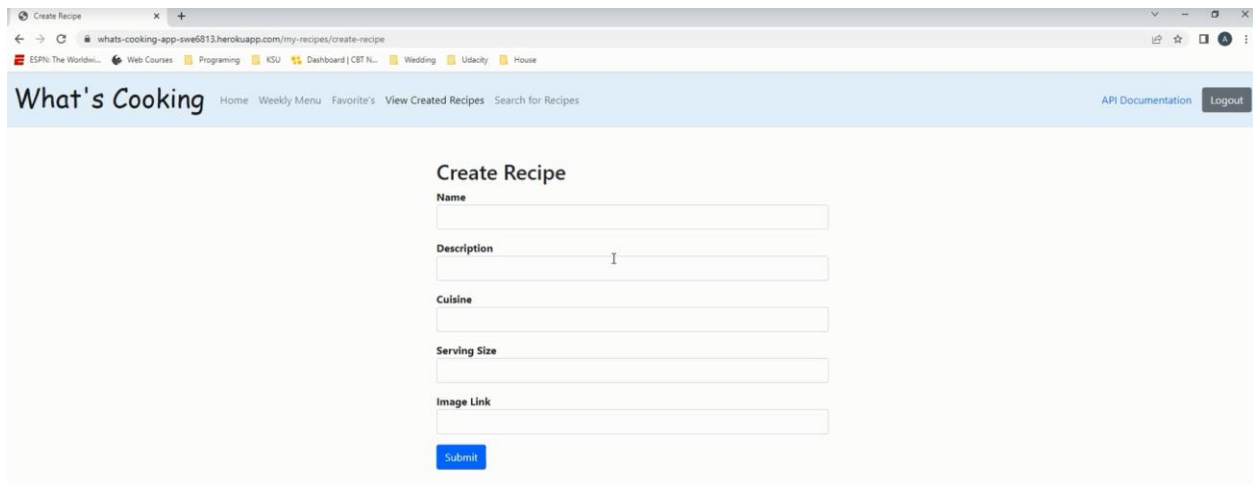


Figure 6- View Created Recipes

Create Recipe

When we select the Create Recipe, we are able fill out a form and add the information to add a new recipe. By populating the information on each, we will add a new recipe into the system. After creating a recipe, we will be able to see it on the View Create Recipes and even be able to access it through our API.



The screenshot shows a web browser window with the URL `whats-cooking-app-swe6813.herokuapp.com/my-recipes/create-recipe`. The page has a light blue header with the text "What's Cooking" and navigation links: Home, Weekly Menu, Favorite's, View Created Recipes, and Search for Recipes. On the right of the header are links for "API Documentation" and "Logout". The main content area is titled "Create Recipe" and contains a form with the following fields: "Name", "Description", "Cuisine", "Serving Size", and "Image Link". Each field is represented by a text input box. Below the "Image Link" field is a blue "Submit" button.

Figure 7- Create New Recipe Form

Weekly Menu

When selecting the link Weekly Menu, we are taken to the page that shows all the recipes we have added to our weekly menu. In here we have the option to view the details or remove them from our menu. As a reminder, removing them from our menu will not delete the recipe. Just take them out of our menu selections for this week. We can always search and add it again.

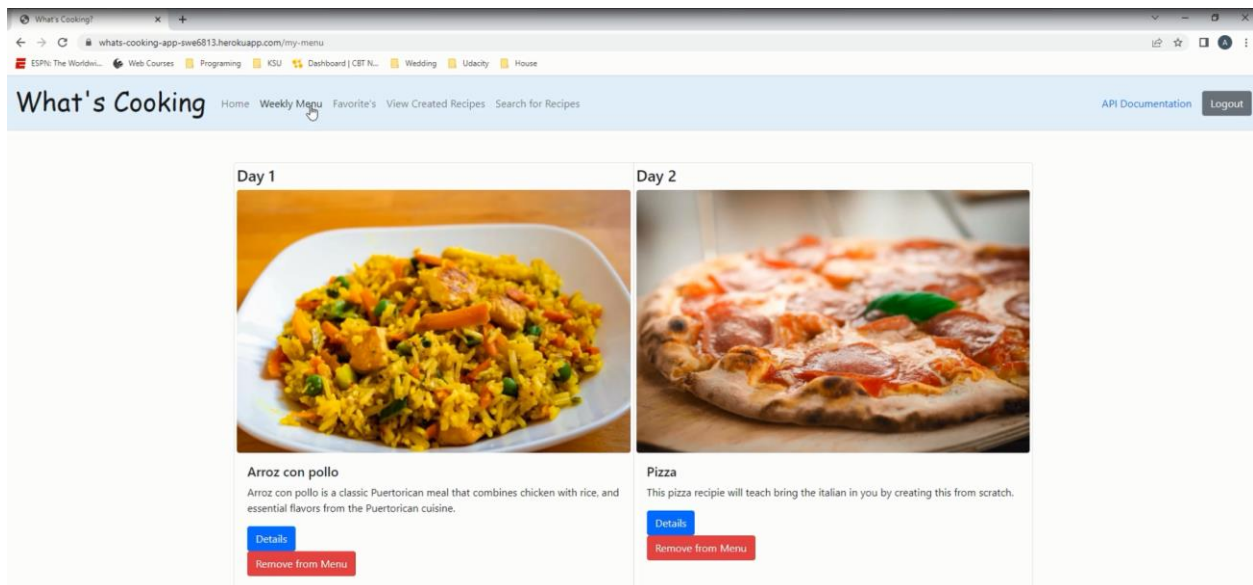


Figure 8- Weekly Menu View

Favorite's

When selecting the link Favorite's, we are taken to the page that shows all the recipes we have added to our favorites. In here we have the option to view the details, remove them from our favorites or add them to our menu for the week. As a reminder, removing them from our favorites will not delete the recipe. Just take them out of our favorites list. We can always search and add it again.

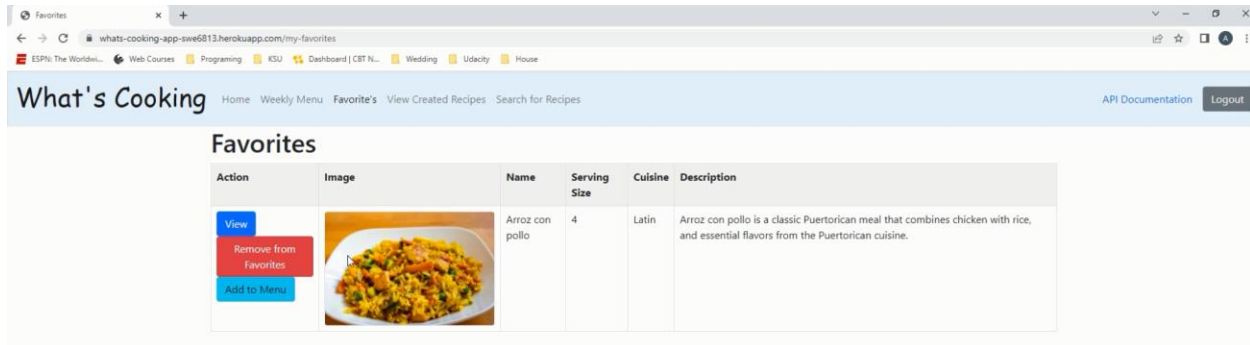


Figure 9 - Favorite's View

Recipe Details

When selecting to View or see the details of a particular recipe, we can see the Ingredients and instructions on how to do the recipe in detail. In here we have the same options of adding to favorites and menu; however, we also have the ability to order the ingredients through Kroger. We will see this functionality in the next section.

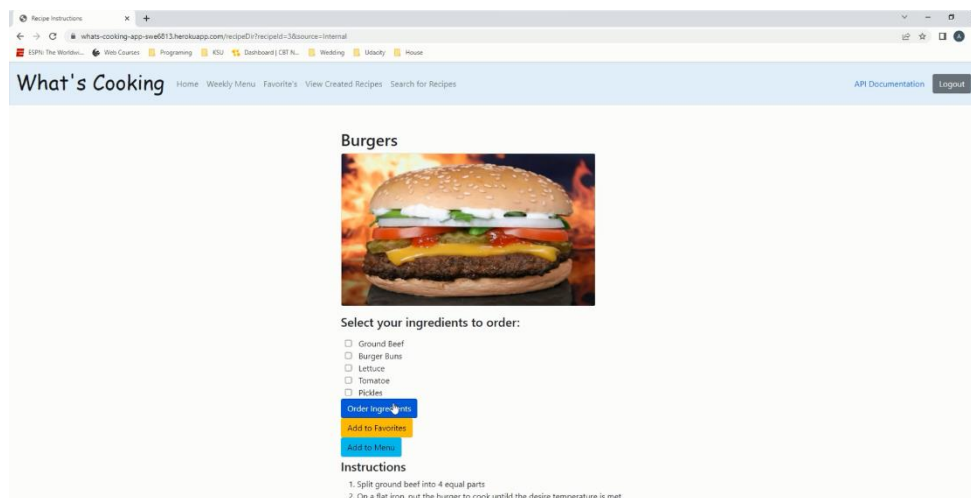


Figure 10 - Recipe Details View

Kroger API Functionality

In order to test this functionality, the user must have a Kroger Account or can create a new one while authorizing our application to add items to the cart. To test this feature, we must go to our home page and enter into the details of any recipe to take us to the Recipe Details screen. Once you are in the details view as shown in figure 10, we can press the button Order Ingredients to start the process of adding items to the Kroger cart. This will add ingredients to your cart.

Kroger Cart Authorization

Once the button to Order Ingredients has been pressed, the application will take us to the Kroger Authorization as shown in figure 11. Enter a personal Kroger Login information or Sign Up for an account if we do not have one. After agreeing to the terms, the application will take us back to our home page. When we go back to the Kroger website [link](#) and log into the account, we will see the items there. This functionality is currently hard coded into the system to prove those items.

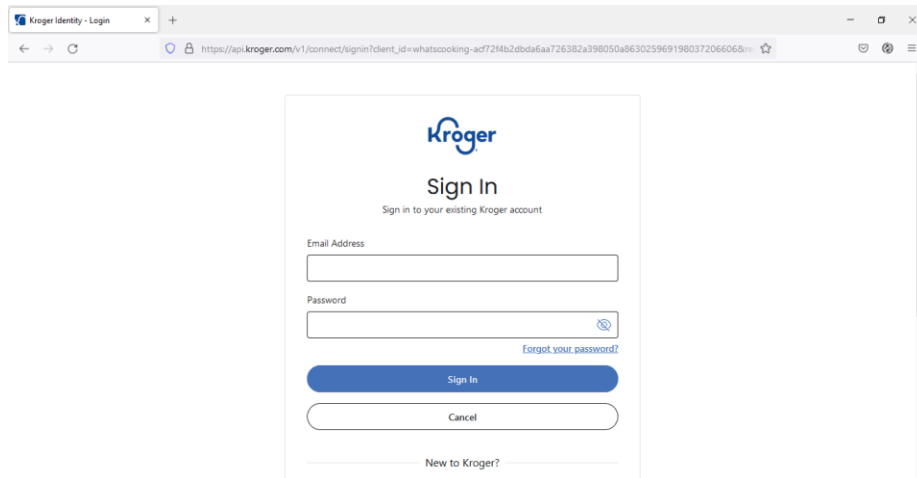
A screenshot of a web browser showing the Kroger Sign In page. The page has a white background with the Kroger logo at the top. Below the logo, it says "Sign In" and "Sign in to your existing Kroger account". There are two input fields: "Email Address" and "Password". Below the password field is a link that says "Forgot your password?". At the bottom, there are two buttons: "Sign In" (blue) and "Cancel" (white). Below the buttons is a link that says "New to Kroger?".

Figure 11 - Kroger Authorization Page

API Endpoints

Finally, our last feature provides a small REST API endpoint in which we will share the recipes entered in our system to the world. In order to see all the API endpoints, we will have to go to <https://whats-cooking-app-swe6813.herokuapp.com/swagger-ui/index.html> URL. This endpoint will list all the API endpoints available in our application. You can use this to execute the commands and see the response. Currently it uses Basic authentication which is the same username and password as the website.

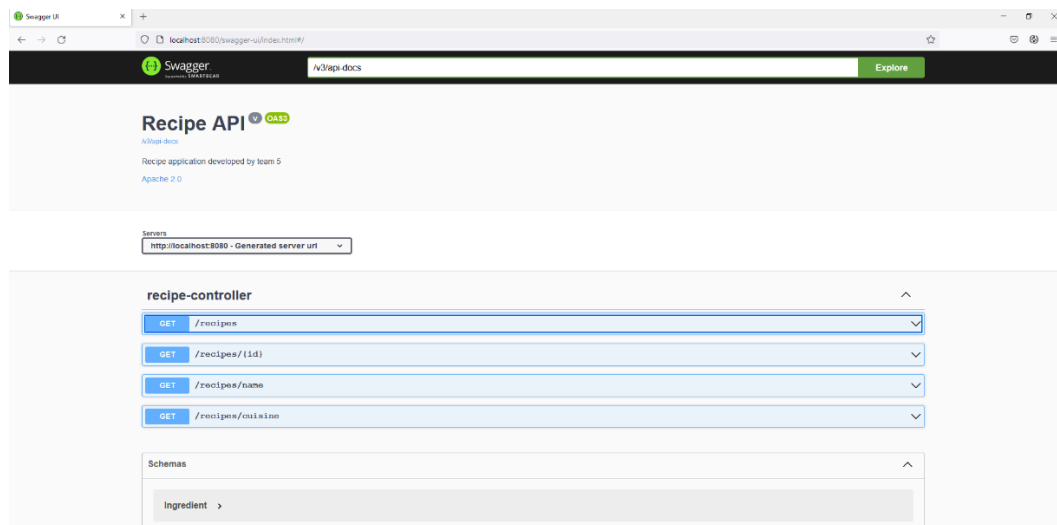


Figure 122- Recipe API Documentation