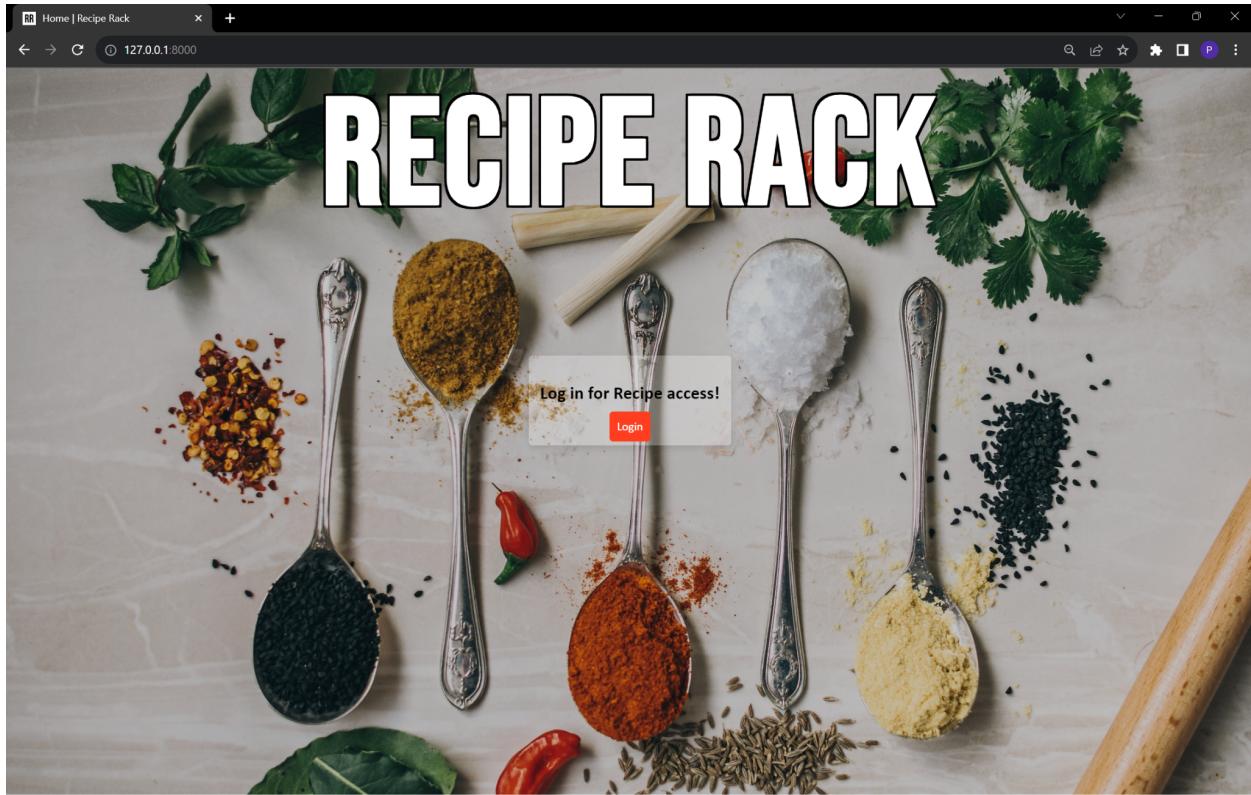


2.7 Data Analysis and Visualization

I want users to search for recipes by difficulty and chart type. The format of the output should be a table showing the recipes as rows and each of their details in corresponding columns along with the chart type that the user selected below it.

Execution Flow:

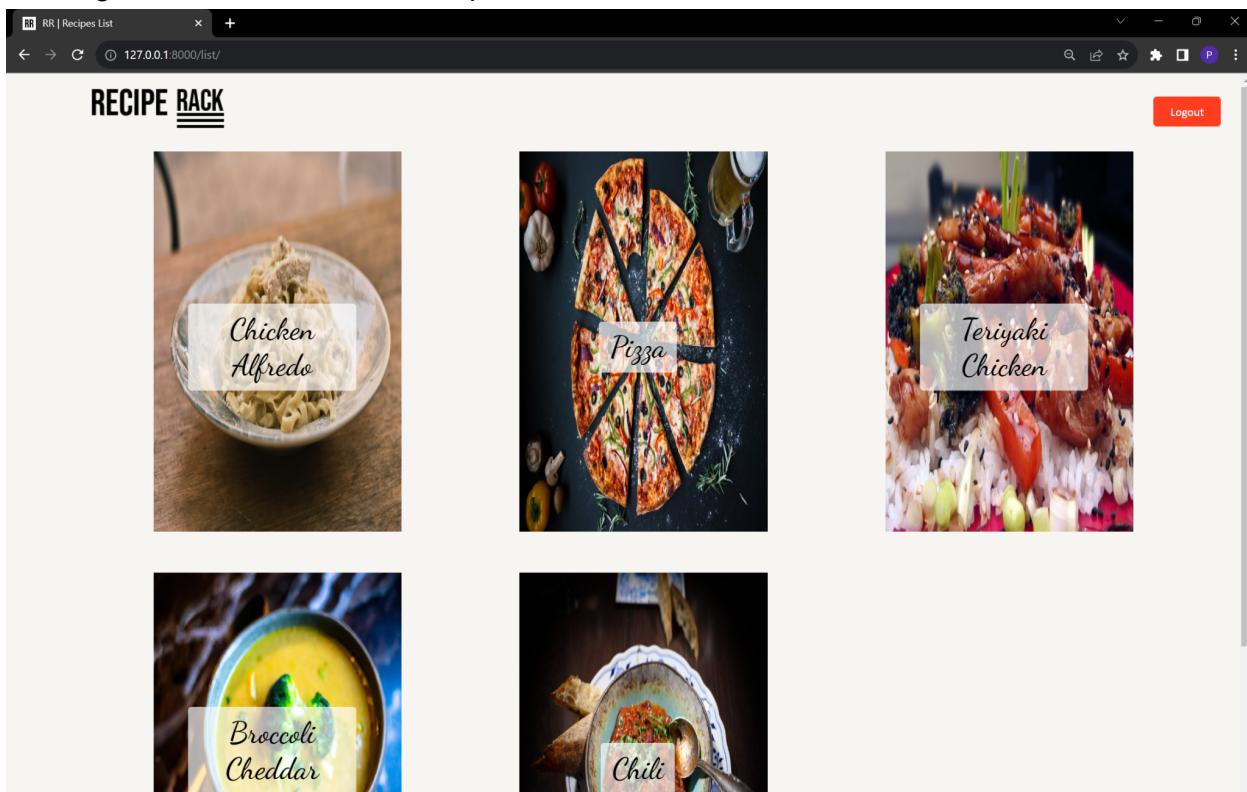
User goes to the recipe rack homepage while logged out:



User clicks log in:



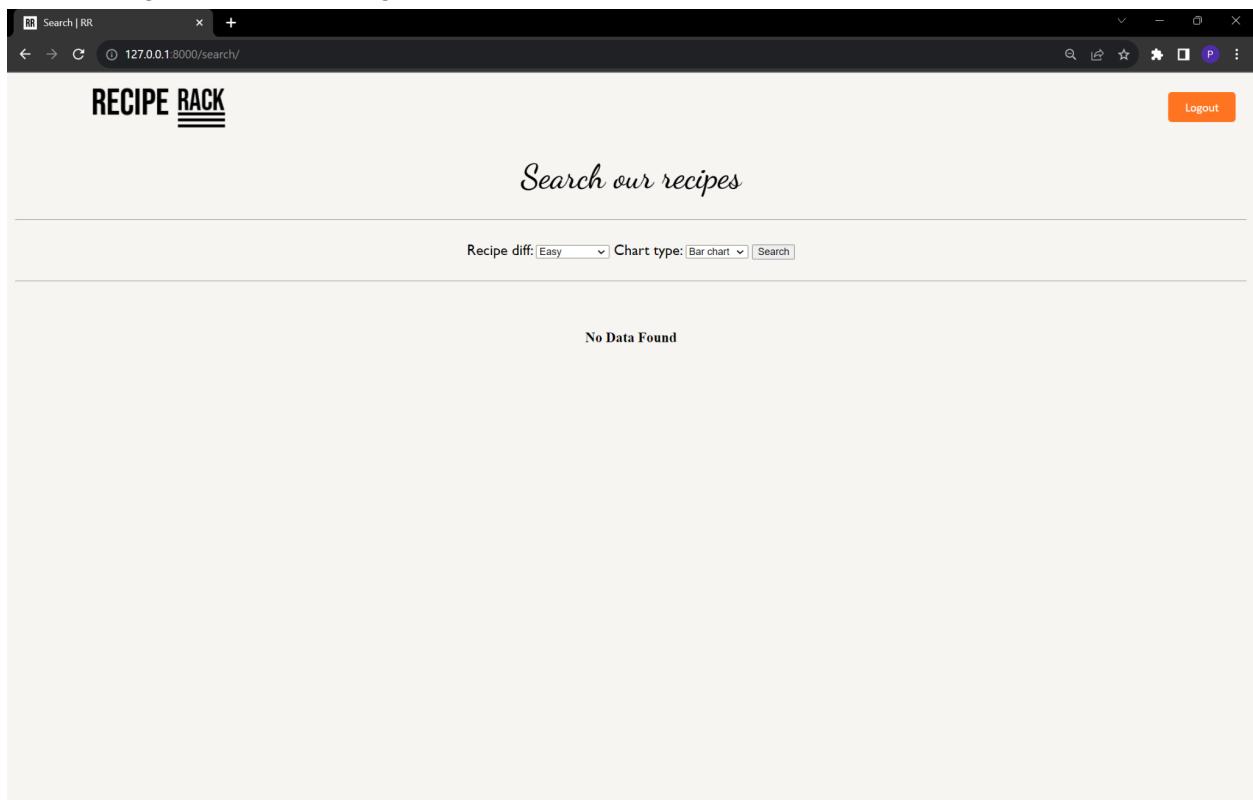
User logs in and is redirected to recipes list:



User clicks on a recipe from the recipes list and is taken to that recipes details page:

A screenshot of a recipe details page for "Chicken Alfredo". The page includes the "RECIPE RACK" logo and a "Logout" button. The title "Chicken Alfredo" is displayed above a large image of the dish. Below the image, the cooking time is listed as "Cooking Time (min): 40.0" and the difficulty as "Difficulty: Intermediate". The ingredients listed are "Chicken breast, Parmesan cheese, Heavy cream, Fettuccine Pasta". The description provides a brief overview: "This Chicken Alfredo recipe also known as Fettuccine Alfredo or fettuccine al burro is an Italian pasta dish of fresh fettuccine tossed with butter and parmesan. As the cheese melts, it emulsifies the liquids to form a smooth and rich cheese sauce coating the pasta." A "Back" button is located at the bottom of the page.

User clicks on nav to go to the recipes search page:
(search page link on the navigation is to be implemented)



User searches for an intermediate recipe with each different chart type:

Search | RR +
 127.0.0.1:8000/search/

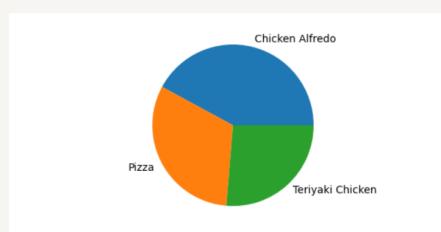
RECIPE RACK

[Logout](#)

Search our recipes

Recipe diff: Chart type:

ID	NAME	INGREDIENTS	COOKING_TIME	DESCRIPTION	PIC
0 1	Chicken Alfredo	Chicken breast, Parmesan cheese, Heavy cream, Fettuccine Pasta	40.0	This Chicken Alfredo recipe also known as Fettuccine Alfredo or fettuccine al burro is an Italian pasta dish of fresh fettuccine tossed with butter and parmesan. As the cheese melts, it emulsifies the liquids to form a smooth and rich cheese sauce coating the pasta.	recipes/chicken-alfredo.jpg
1 2	Pizza	Pizza dough, Cheese, Marinara sauce	30.0	Pizza is a dish of Italian origin consisting of a usually round, flat base of leavened wheat-based dough topped with tomatoes, cheese, and often various other ingredients as toppings.	recipes/pizza.jpg
2 3	Teriyaki Chicken	Chicken, Teriyaki Sauce, Cabbage, Carrots, Rice, Corn starch	25.0	This is a Japanese dish of chicken meat that is grilled or broiled after being soaked in a seasoned soy sauce marinade.	recipes/teriyaki-chicken.jpg



Search | RR +
 127.0.0.1:8000/search/

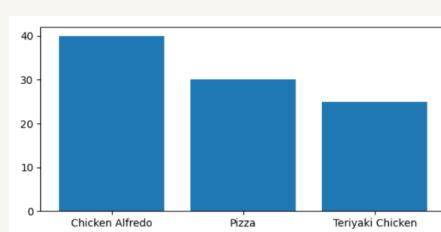
RECIPE RACK

[Logout](#)

Search our recipes

Recipe diff: Chart type:

ID	NAME	INGREDIENTS	COOKING_TIME	DESCRIPTION	PIC
0 1	Chicken Alfredo	Chicken breast, Parmesan cheese, Heavy cream, Fettuccine Pasta	40.0	This Chicken Alfredo recipe also known as Fettuccine Alfredo or fettuccine al burro is an Italian pasta dish of fresh fettuccine tossed with butter and parmesan. As the cheese melts, it emulsifies the liquids to form a smooth and rich cheese sauce coating the pasta.	recipes/chicken-alfredo.jpg
1 2	Pizza	Pizza dough, Cheese, Marinara sauce	30.0	Pizza is a dish of Italian origin consisting of a usually round, flat base of leavened wheat-based dough topped with tomatoes, cheese, and often various other ingredients as toppings.	recipes/pizza.jpg
2 3	Teriyaki Chicken	Chicken, Teriyaki Sauce, Cabbage, Carrots, Rice, Corn starch	25.0	This is a Japanese dish of chicken meat that is grilled or broiled after being soaked in a seasoned soy sauce marinade.	recipes/teriyaki-chicken.jpg



Search | RR x +

127.0.0.1:8000/search/ Logout

RECIPE RACK

Search our recipes

Recipe diff: Chart type:

ID	NAME	INGREDIENTS	COOKING_TIME	DESCRIPTION	PIC
0 1	Chicken Alfredo	Chicken breast, Parmesan cheese, Heavy cream, Fettuccine Pasta	40.0	This Chicken Alfredo recipe also known as Fettuccine Alfredo or fettuccine al burro is an Italian pasta dish of fresh fettuccine tossed with butter and parmesan. As the cheese melts, it emulsifies the liquids to form a smooth and rich cheese sauce coating the pasta.	recipes/chicken-alfredo.jpg
1 2	Pizza	Pizza dough, Cheese, Marinara sauce	30.0	Pizza is a dish of Italian origin consisting of a usually round, flat base of leavened wheat-based dough topped with tomatoes, cheese, and often various other ingredients as toppings.	recipes/pizza.jpg
2 3	Teriyaki Chicken	Chicken, Teriyaki Sauce, Cabbage, Carrots, Rice, Corn starch	25.0	This is a Japanese dish of chicken meat that is grilled or broiled after being soaked in a seasoned soy sauce marinade.	recipes/teriyaki-chicken.jpg

Recipe	Cooking Time (min)
Chicken Alfredo	40.0
Pizza	30.0
Teriyaki Chicken	25.0

User clicks the logout button:

Recipe Rack - Logout x +

127.0.0.1:8000/logout/ Logout

RECIPE RACK

Successfully Logged Out!
See you next time.

[Login](#)