

# DBMS Project Report

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# Registration/Login

This is our [registration/login](#) page, here users can register as new users if they have not already made an account, or they can login with their credentials if an account has already been made.

Will not let users Register if they do not fill out Username/Password.

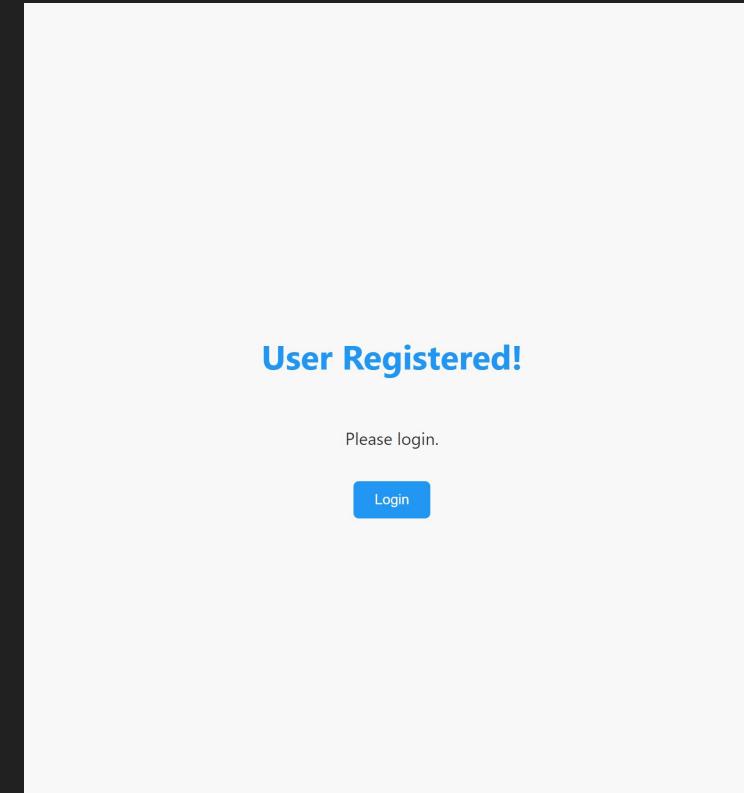
The image shows a screenshot of a registration/login page for Recipe.com. At the top right, the "Recipe.com" logo is displayed in its signature blue and red font. Below the logo is a light gray rectangular form. The form contains two input fields: one for "Username" and one for "Password", both represented by white input boxes with black outlines. Below these fields are two large, horizontal blue buttons. The top button is labeled "Register" in white text, and the bottom button is labeled "Login" in white text. The entire form is set against a white background with a slight shadow at the bottom.

# Registration/Login

Once a user successfully registers, they will be notified that their account is registered.

Now their account information will **INSERT** into the database.

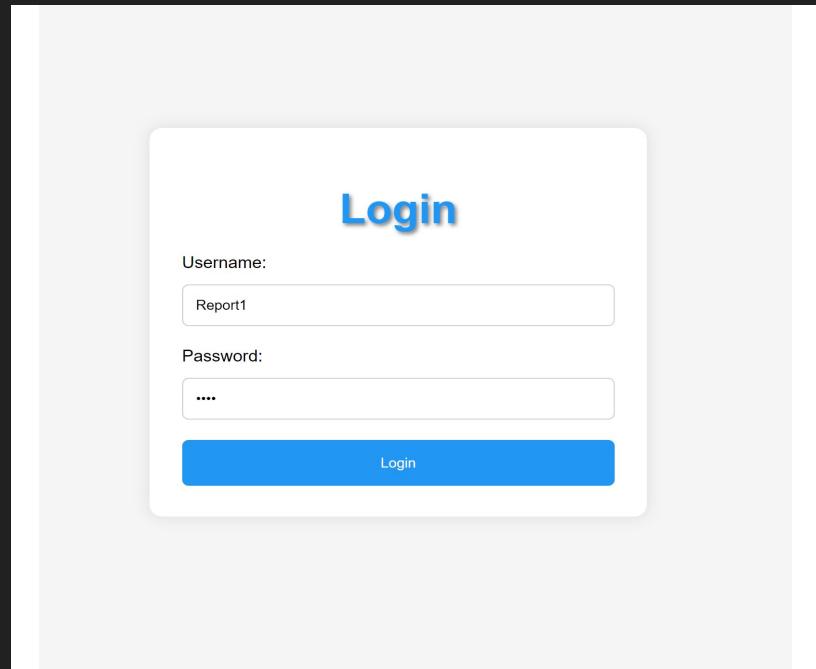
They are directed back to the login page and login with their new credentials.



# Login view

If a user already has an account, they can just go straight to **login** and type in their account credentials.

Non-registered users cannot login until they have registered.



# Home Page

Once a user is logged in, they will be directed to the home page, here users can [view](#) all of the submitted recipes from other users, have the option to [add](#) a recipe to the list of recipes, [search](#) for recipes that might be of interest to them, [view](#) all the recipes they have added to website, and [update](#) their username.

The screenshot shows a user's home page with a dark background. At the top right, there is a search bar labeled "Search Recipes:" with a "Search" button. Below the search bar is a blue button labeled "Add Recipe". To the right of the search bar, the text "User Recipes" is displayed in blue. Below this, another blue button labeled "My Recipes" is visible. The main content area is titled "Update Username" in blue. It features a text input field for "New Username:" and a "Update Username" button. Below this, four recipe cards are listed, each with a user ID (user1, user2, user3, user4) in blue, the recipe name in bold black, and a brief description in gray. The first card is for "Chicken Alfredo" (creamy pasta with grilled chicken). The second card is for "Vegetable Stir-Fry" (fresh vegetables stir-fried with tofu). The third card is for "Homemade Pizza" (delicious pizza with your favorite toppings). The fourth card is for "Grilled Salmon" (though only the start of the name is visible).

User	Recipe	Description
user1	Chicken Alfredo	Creamy pasta with grilled chicken.
user2	Vegetable Stir-Fry	Fresh vegetables stir-fried with tofu.
user3	Homemade Pizza	Delicious pizza with your favorite toppings.
user4	Grilled Salmon	(partially visible)

# Adding a recipe

If a user hits **add recipe**, they will be directed to this view, which will ask them what new recipe they would like to add, and a brief description of that recipe.

Selecting ‘Add Recipe’ adds the recipe to the database, and displays on the main page.

**Back button** to bring users to main page.

The screenshot shows a user interface for adding a new recipe. At the top center, the title "Add Recipe" is displayed in blue. Below it, there are two input fields: one for "Food Item" containing "Chicken Soup" and another for "Recipe Description" containing "A delicious bowl of Chicken Noodle Soup.". At the bottom left is a blue "Add Recipe" button, and at the bottom right is a blue "Back to User Recipes" button.

Add Recipe

Food Item:

Chicken Soup

Recipe Description:

A delicious bowl of Chicken Noodle Soup.

Add Recipe

Back to User Recipes

# Updated Recipe List

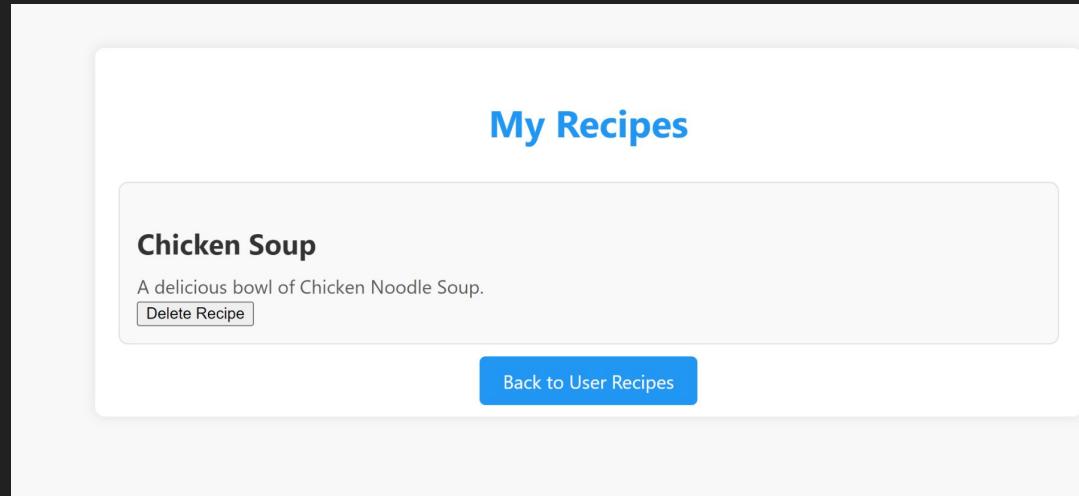
Here is what the main page looks like when you've added a recipe, in this example we added Chicken Soup. Each time a new recipe is added, the main page automatically updates and displays it.

The screenshot shows a user interface for managing a recipe list. It consists of three separate cards, each representing a recipe or a note:

- Luke2**  
**Spicy Mango Shrimp Tacos**  
Spicy Mango Shrimp Tacos are a fusion of bold flavors and vibrant colors. Succulent shrimp are marinated in a zesty blend of mango, lime juice, and spices, creating a perfect balance of sweetness and heat. The shrimp are then sautéed to perfection and served in warm tortillas, topped with a refreshing mango salsa, crisp lettuce, and a drizzle of creamy chipotle sauce. These tacos are a delightful combination of tropical freshness and spicy kick, making them a delicious and satisfying meal for any occasion.
- Lukeisawesome**  
**test**  
test
- Report1**  
**Chicken Soup**  
A delicious bowl of Chicken Noodle Soup.

# My Recipes Page/Delete Recipe

When users click ‘[My Recipes](#)’ it brings them to a page where it displays all of their added recipes. This user only has one Recipe. Users have the option to **DELETE** their recipes if they would like to.



# Searching

When a user types in a particular food in the **search** box, they will be shown a view of all the recipes that contain that food. If no recipes contain that ingredient then the page will be blank.

Search Recipes:  Search

### Search Results for "Chicken"

**user1**

**Chicken Alfredo**

Creamy pasta with grilled chicken.

**Foodlover1**

**Grilled Chicken Salad**

Marinate chicken breasts in olive oil, garlic, and herbs. Grill until fully cooked. Toss the grilled chicken with mixed greens, cherry tomatoes, cucumber, and your favorite dressing.

**GrandmaJoJo63**

**Chicken Quesadillas**

Shred cooked chicken and mix with diced bell peppers, onions, and shredded cheese. Place the mixture between tortillas and cook in a skillet until the cheese is melted. Serve with salsa and sour cream.

**Report1**

**Chicken Soup**

A delicious bowl of Chicken Noodle Soup.

[Back to User Recipes](#)

# Updating username

A user has the option to **UPDATE** their username they made when they registered for the account. When they type in their new username, every recipe they create after this will display the new username.

Updating username takes users back to login page to login using their new username

**Update Username**

New Username:

**Dr.Frocks**

**Chicken Soup**

A delicious bowl of Chicken Noodle Soup.

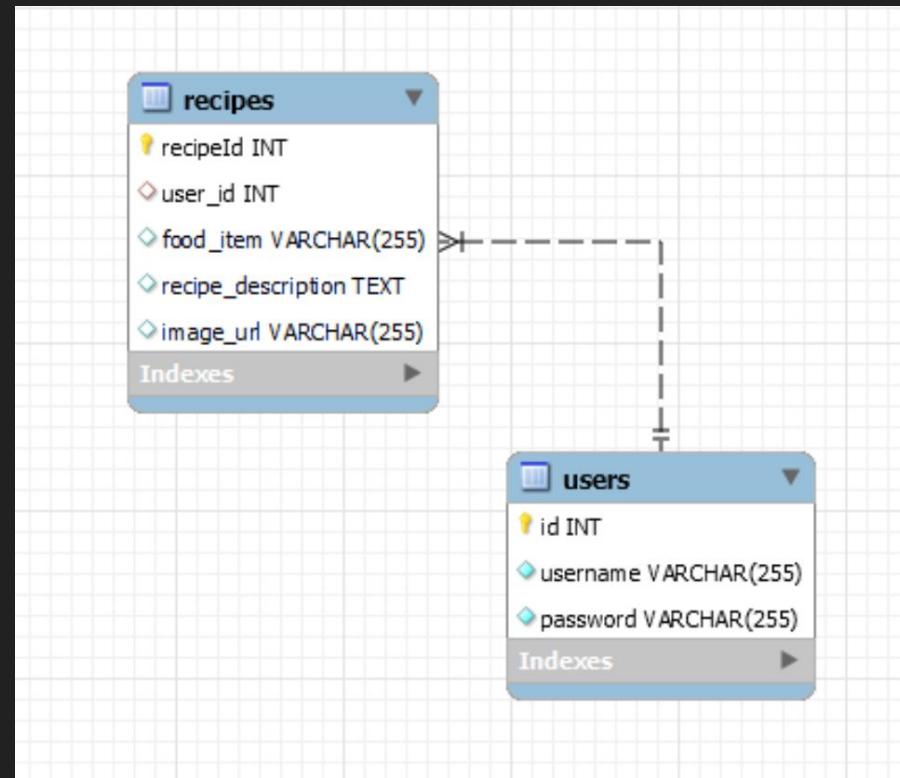
# Signing out

Once a user signs out, they will officially end their session and they will be redirected back to the Registration/Login page.



# EER Diagram

Our program did not require a very complex schema, two tables are created in the schema (Users, Recipes)



# Ranking

Member 1 - Luke McGinley - My teammate and I agree that I handled **52%** of the overall project. My specific tasks included:

1. I created the HTML files for the Register & Login page
2. I created the My Recipes HTML file
3. I created the User Recipes HTML file
4. I implemented the Back buttons
5. I constructed the Schema and Tables of the Database, EER Diagram
6. I initialized the server and connected the database for the project.
7. I researched express session to track user activity.
8. Ladi and I both worked together for all POST functions and Queries

# Ranking Cont.

Member 1 - Ladi Bambose - My teammate and I agree that I handled **48%** of the overall project. My specific tasks included:

1. I created the Add recipe html file
2. I created the register confirmation html file
3. I added all of the CSS in the project with adjustments from Luke
4. I implemented the Sign out feature
5. I implemented all the app.get functions for each html file
6. Luke and I worked together on the SQL queries and post methods.
7. I researched and implemented server side error handling to help with debugging.