Objective Of Application

This web application is designed to provide easy recipe ideas that meet one's dietary needs: Vegan Diet, Paleo Diet, Low-Carb Diet. Recipes are sorted by dietary needs and users can click on any recipe listed to read the description. Users also have the option to add their own recipe to my page and post their comments on a blog page.

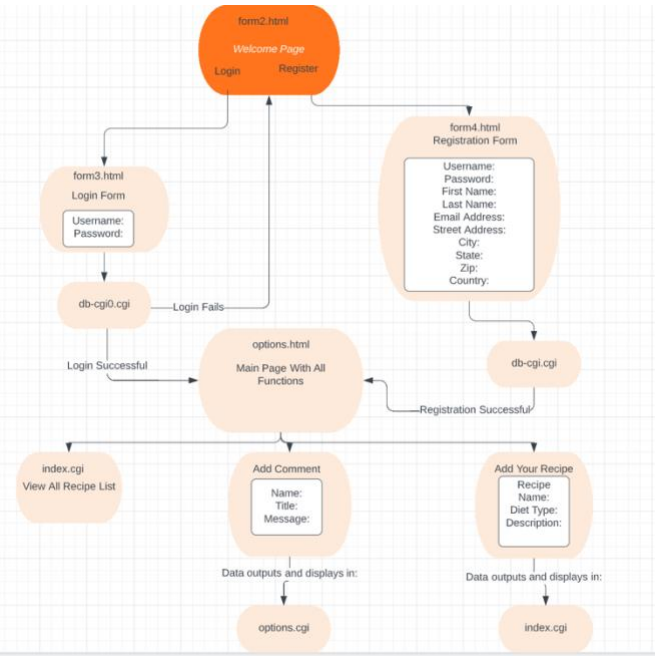
Architecture

The web application first starts off at the welcome page that gives a brief description about the application and prompts the user to either register or login.

If the user clicks register, they are prompted to enter the following information: username, password, first name, last name, email address, street address, city, state, zip, and country. Once the user fills out this form and clicks submit, the data is stored in MySQL database and the user is directed to the main page with all the user functions.

If the user clicks on login, they are prompted to enter the following information: username and password. Once the user fills out the form and clicks submit, the login information is checked and if it matches with the data stored in the MySQL database, the user is directed to the main page with all the user functions. If the login information is incorrect, the user is redirected back to the welcome page.

Once the user logs in successfully or has created an account, the user can pick between three options: view all recipes in a list organized by diet type, add their own recipe to the website, and/or post their comment to a blog page.



Architecture Diagram

Database Organization

lamsetmUsers: When a user first registers the following information is stored in this database: username, password, first name, last name, email address, street address, city, state, zip, and country. When logging in, only the username and password are checked to see if it is in the database. If the username and/or password is not in the database, the login fails.

lamsetmRecipe: When a user chooses to add their recipe to the page, they are instructed to fill out a form with the following information: food name, diet type, and description. Once the form is complete and they click submit, the information gets stored in this database and prints out in index.cgi. The recipe list is organized by diet type, so based on what diet type the user clicked on for their recipe, the recipe is displayed under that diet type category.

lamsetmComments: When a user chooses to add a comment to the page, they are instructed to fill out a form with the following information: name, title, and their comment. Once the form is complete and they click submit, the information gets stored in this database and prints out in options.cgi which is the blog page.

Database Schemes