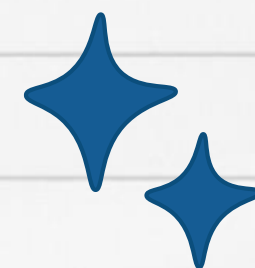


PROJECT

RECIPEDIA



INTRODUCTION:

A Java-based app that enables users to efficiently manage their culinary creations, offering features for adding, visualizing, editing, and removing recipes. With an intuitive interface, users can seamlessly organize and share their recipes for a streamlined cooking experience.



METHODOLOGY:

- Utilize Java programming language for backend logic, employing object-oriented principles for efficient code organization.
- Implement Java Swing library for GUI development, providing platform-independent graphical elements.
- Select MySQL as the database management system (DBMS) for secure storage of recipe data.
- Use JDBC (Java Database Connectivity) to establish connections and execute SQL queries between the Java application and MySQL database.
- Adopt a modular approach, dividing functionalities into separate components or modules for improved organization and scalability.
- Design GUI with user-friendly features, focusing on intuitive navigation and clear labels.
- Conduct thorough testing procedures including unit testing, integration testing, and user acceptance testing to ensure reliability and functionality.



DATABASE DESIGN

The database design for the "Recipedia" project involves creating a relational database schema to efficiently store and manage recipe-related data. The database design includes the following key components:

USER TABLE

This table stores user information, including usernames, and passwords for authentication. It ensures user authentication and access control.

Users Table:

- username(primary key): User's username which is unique identifier for each user
- password: Password for secure authentication

RECIPES TABLE:

This table contains information about recipes added by users.

Recipes Table:

- username (Foreign Key): Identifier of the user who created the recipe (References Users table)
- recipe_name: Name of the recipe
- ingredients: Ingredients required for the recipe
- preparation: Preparation instructions for the recipe
- comment: Additional comments or notes about the recipe

Java Version:
JDK 8 or later

SQL Version:
MySQL 5.7 or
later

GUI Framework:
Java Swing

REQUIREMENTS



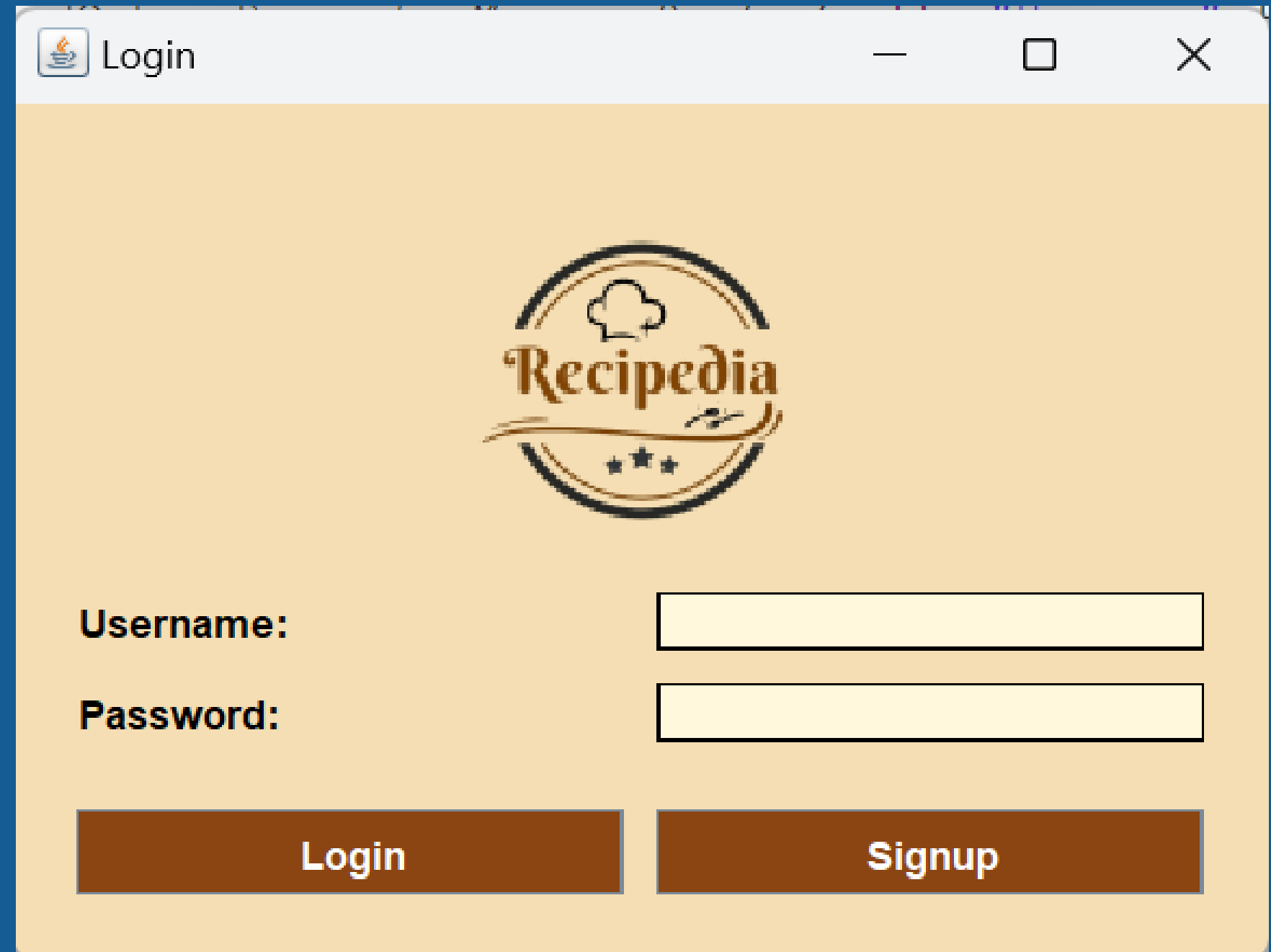
JDBC Driver:
MySQL JDBC
driver

Operating System:
Windows, macOS,
Linux

**Development
Environment:**
Eclipse IDE

SCREENSHOT:

LOGIN PAGE:



A screenshot of a web browser window titled "Login". The page has a light beige background. At the top center is the "Recipedia" logo, which features a chef's hat inside a circular frame with the word "Recipedia" and three stars below it. Below the logo are two input fields: "Username:" and "Password:". At the bottom are two buttons: "Login" and "Signup".

Login

Recipedia

Username:

Password:

Login Signup

SCREENSHOT:



HOME PAGE:





THANK YOU