Project SQE

Team Name: Quality Control Force

Mian Mohid 21L 5798

M Ahmad 21L 5780

Kamran Sarwar 21L 5811

M Ahmad 21L 6090  
Muzammil Hussain Bhatti 21L 6051

# Overview

This README document provides a detailed account of recent updates, corrections, and known issues in the project. It aims to offer a clear understanding of the progress made and the challenges that remain in the project.

### Updates and Corrections

**Database Connection**

* Connection String: The database connection string now includes the username and password for our database, ensuring access.
* Changed Update execute to executequerry

**updateprofile.jsp**

* Syntax Issues:Resolved syntax issues, including the mysterious "3" error at the file's beginning.
* Address Field: Fixed the "id Address" syntax error.

**index.jsp**

* Cart Reference Issue: Corrected the problem of the missing cart reference, ensuring smooth functionality.
* Page Structure: Reorganized the page hierarchy and structure.
* HTML Tags: Integrated multiple head tags into a single tag.
* Title Tag: Updated the page title for consistency.
* HTML Structure: Corrected missing closing tags and nested body tags.

**Homepage**

* Name Issue: Replaced Thymeleaf syntax with JSP syntax and utilized the user class's getter to display the username on the homepage.

**Logout Functionality**

* User Logout: Implemented user logout using JSP syntax in "index.jsp" and "usercontroller.java."

**usercontroller.java**

* User Login Message: Utilized the "model" parameter to display a message on the UI in the "userLogin" method.

**admincontroller.java**

* Database Interaction: Resolved the issue where "stmt.execute" was incorrectly assigned to a result set. Implemented a conditional statement to fetch results.

**Static Files**

* Static Content: Added a logo and corrected the path to static files.

**Admin Functionality**

* Admin Access: Synchronized the API mapping with "adminLogin.jsp" and "adminhome.jsp," ensuring correct admin login and logout functionality.

**Modifications for User Registration:**

* The "newuserregister" post method has been modified to handle user registration, effectively resolving SQL exceptions. Thymeleaf has been utilized to enhance the client-side registration process. These changes have been applied to the "UserController.java" and "register.jsp" files for user registration.

### Known Bugs

1. Button Mapping: Existing issues related to the mapping of buttons within the application need further investigation and resolution.

2. Pathway Navigation: Problems in navigating between pages, possibly due to incorrect URLs or misconfigured routes, require thorough testing and debugging.

3. Project requires added functionalities proper error handling mechanisms

4. Functionality gaps and mapping issues must be resolved to test further the output of the application.

5. API incorrectly linked

6. Specific errors of ERROR 404 and 405

### Progress:

The 'Quality Control Force' team has rigorously tested the project, which is currently operational. It has undergone substantial updates and corrections as documented in the 'Updates and Corrections' section. Key improvements include enhanced database connections, an improved user interface, and streamlined registration features. Notably, several known issues have been successfully addressed and are under active surveillance. The team is diligently working to expand functionalities and implement robust error-handling mechanisms. While the project has notably improved in usability and reliability, ongoing efforts are dedicated to rectifying functionality gaps and mapping issues, ensuring thorough testing and validation. The project is in a state of continuous development and enhancement.