

Bug-Tracker

A bug tracking software which organizes the project between project managers and developers by tracking each bug within each project with a professional GUI and database.

Project Functionalities

1. Supports users with different roles (Admin, Project Manager, Developer).
2. Authentication and Authorization.
3. Database connection.
4. Different dashboard for each user (Admin, Project Manager, Developer).
5. Adding projects and assigning them to developers.
6. Adding bugs tickets withing each project and assigning them to certain developer.
7. Adding comments to each bug ticket.

Dependencies

- mysql-connector-java-8.0.34
- javafx-sdk-17

Tools

1. Spring Tool Suite
2. Java
3. MYSQL to manage database
4. MYSQL J Connector to connect to the database

Design Pattern

Model-View-Controller Design Pattern

1. Model

contains only the pure application data, it contains no logic describing how to present the data to a user.

2. View

presents the model's data to the user. The view knows how to access the model's data, but it does not know what this data means or what the user can do to manipulate it.

3. Controller

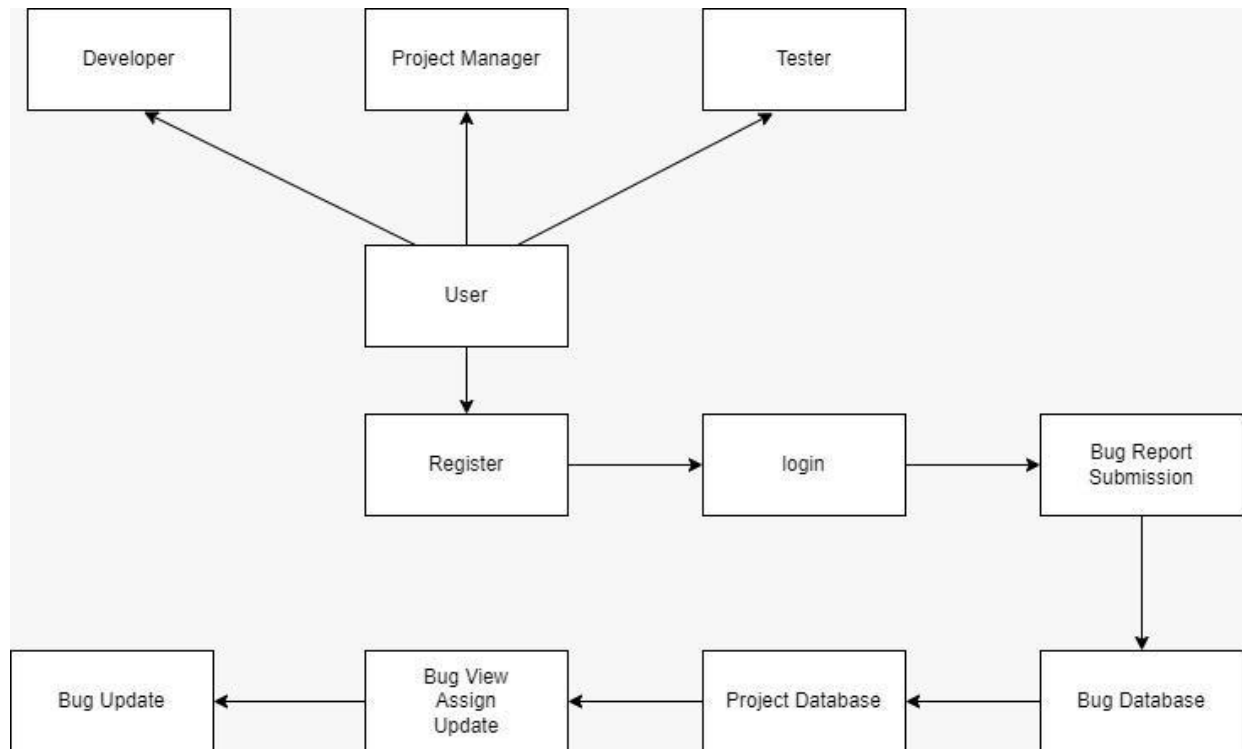
Exists between the view and the model. It listens to events triggered by the view and executes the appropriate reaction to these events. The reaction is to call a method on the controller classes. Since the view and the model are connected through a notification mechanism, the result of this action is then automatically reflected in the view.

Diagram

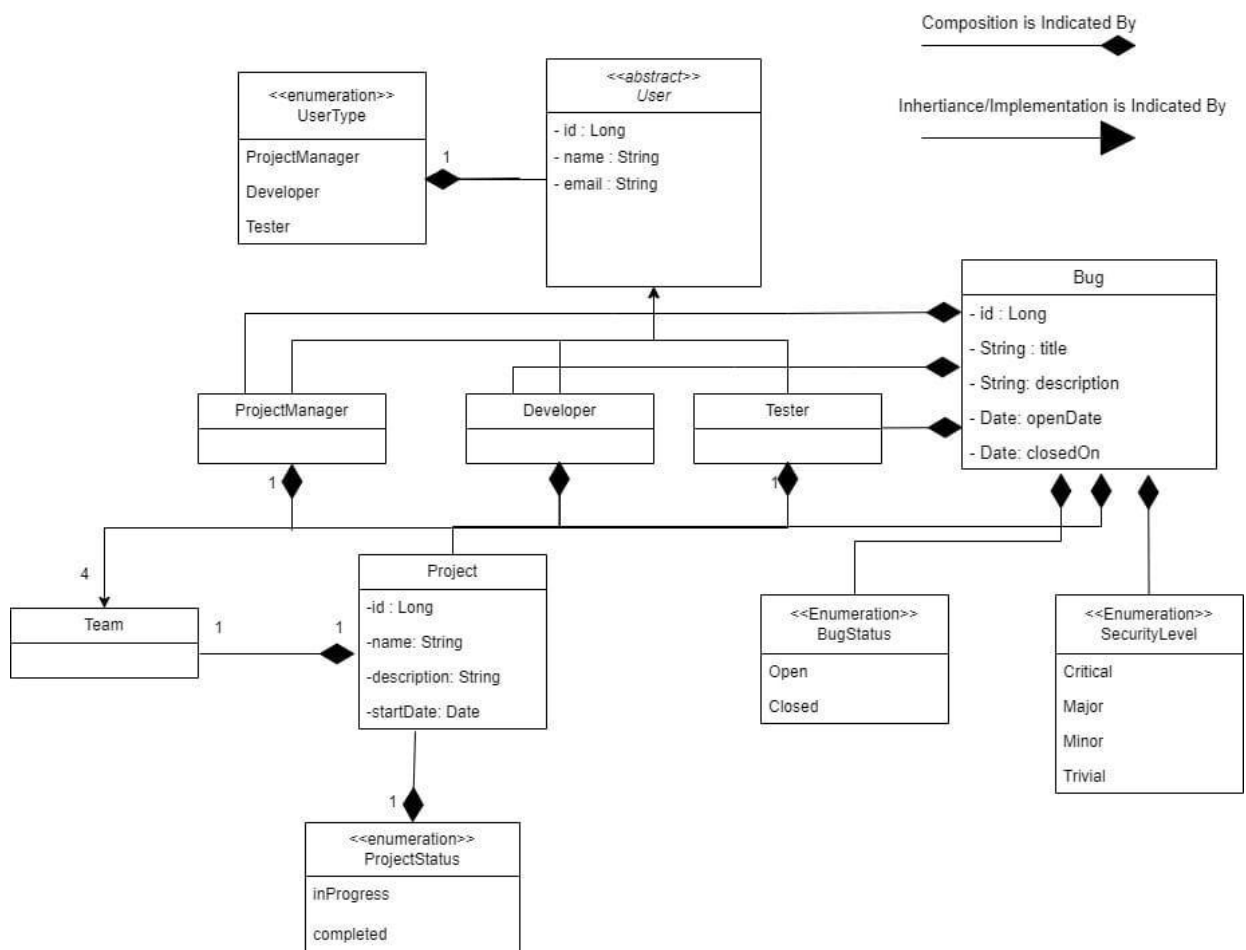
1. Entity-Relationship Diagram



2. Data Flow Diagram

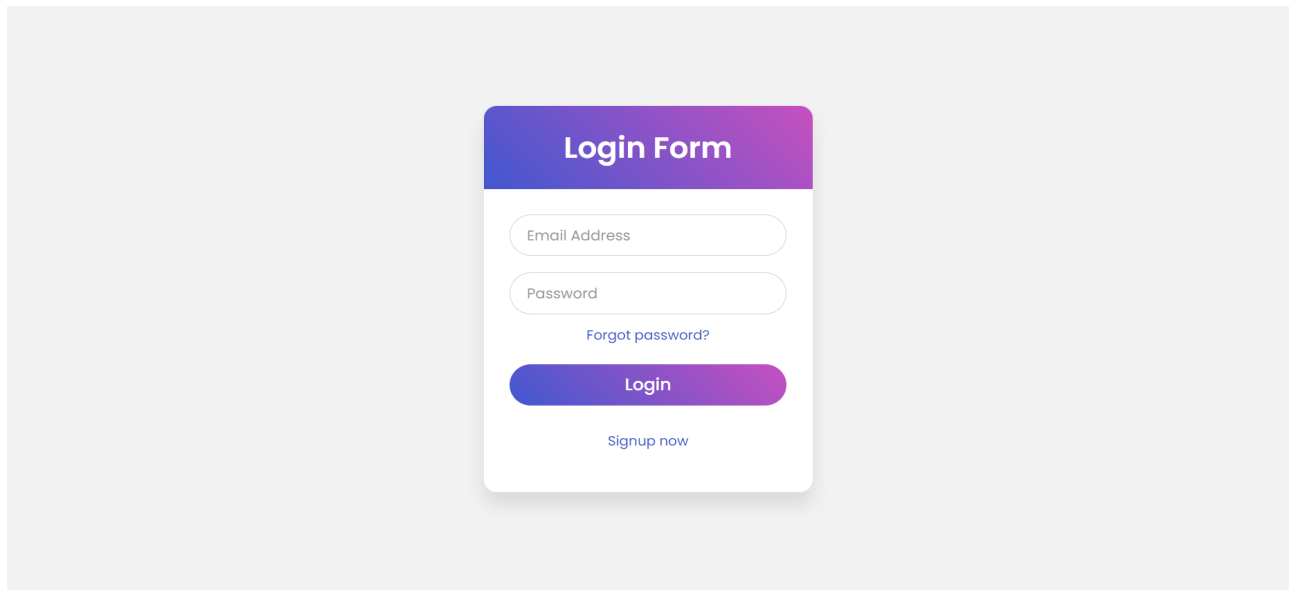


3. Class Diagram

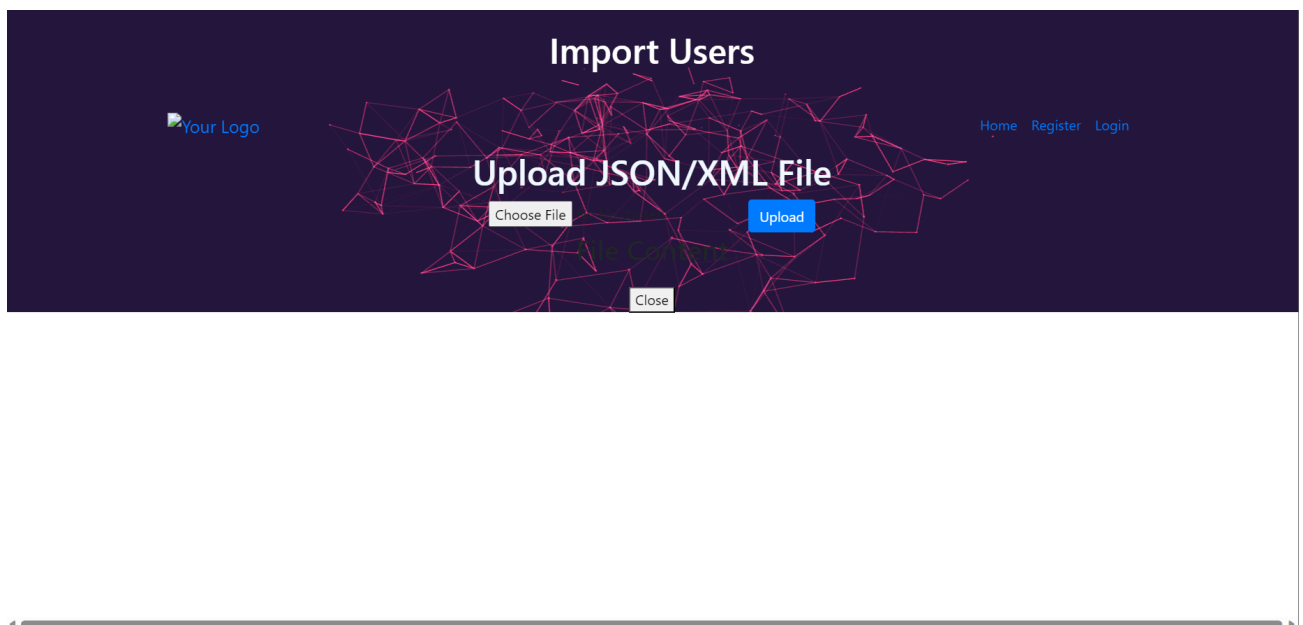


Screenshots

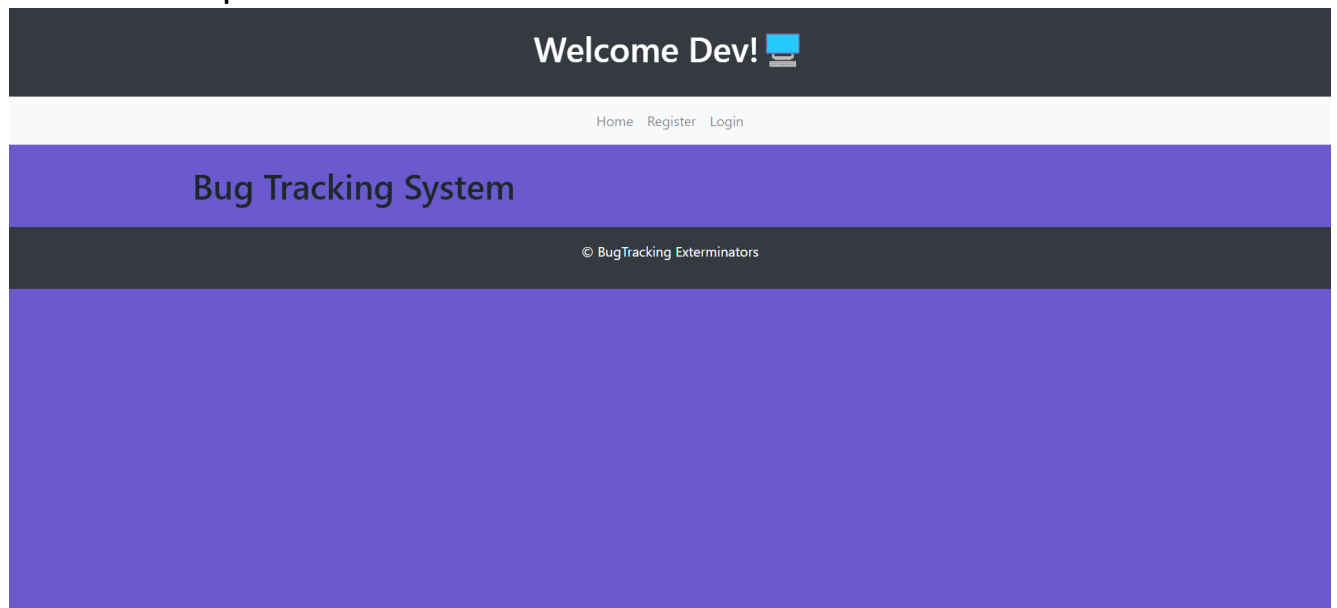
- Login Page



- Sign up Page



- Developer Dashboard



- Tester Dashboard
- Add Project Page
- Add Bug Page
- Bug Details Page
- Project Details Page

Backend SnapShots

Loading class `com.mysql.jdbc.Driver'. This is deprecated.

Welcome To Bug Tracking System

1. Enter Any Key To Login

2. Enter -1 To Logout

1

Enter Your Emailpranav@gmail.com

Enter Your Passwordadmin

1. View Projects

2. Add Project

3. View All Developers

4. View All Testers

5. Close Project

6. View All Bugs

7. View All Bugs Marked For Closing

8. Close Bug

9. Assign Bug To Developer

10. ReAssign Bug To Developer

-1. Exit

Loading class `com.mysql.jdbc.Driver'. This is deprecated.

Welcome To Bug Tracking System

1. Enter Any Key To Login

2. Enter -1 To Logout

1

Enter Your Emailpritesh@gmail.com

Enter Your Passwordadmin

1. Add Bug

2. View All Bugs

3. View All Teams

-1. Exit

|

Loading class `com.mysql.jdbc.Driver'. This is deprecated.

Welcome To Bug Tracking System

1. Enter Any Key To Login

2. Enter -1 To Logout

1

Enter Your Emailgita@gmail.com

Enter Your Passwordadmin

1. View Team

2. View All Bugs

-1. Exit

