



Bug Tracking System Project

Description:

The Bug Tracking System project is a comprehensive software application developed in Java that enables efficient tracking and management of bugs in software development. It leverages object-oriented programming principles to create a robust and scalable bug tracking solution.

The system's GUI, developed using **Java Swing**, provides a user-friendly interface for interacting with the bug tracking functionalities. It integrates an online shared **MySQL** storage as the database backend, ensuring reliable and secure data storage and retrieval.

In addition to bug tracking capabilities, the project also includes an **authentication system** that validates email addresses and ensures data integrity in the database. This adds an extra layer of security and prevents redundant or invalid data from being stored.

Furthermore, to the mentioned functionalities, the project is structured as a Maven project. Maven is a powerful build automation tool for Java projects that helps manage dependencies, build processes, and project configuration. By utilizing Maven, the project benefits from simplified dependency management, consistent build processes, and improved project structure.

By utilizing the features and technologies mentioned earlier, it offers a wide range of capabilities for bug monitoring, assignment, and reporting.

Page flow

Also, we provide a diagram showing the flow of application pages.

Collaborators 🤝

Ismail Fakhr

Alaa Imam

Ahmed Kamal

Mahmoud Hany

Anton Ashraf

Github Repository



Page Flow

