Project Abstract:

The Bug Tracking System is a web application that allows users to report and track bugs in different software projects. The system is designed to provide an efficient way for software development teams to manage and prioritize bug reports, assign them to developers, and track their progress until they are resolved.

# Functional Requirements:

User Registration and Login: The system should allow users to register and login using their email and password.

Bug Reporting: Users should be able to report bugs by providing the bug name, description, project name, and status.

Bug Tracking: Users should be able to track the status of the bugs they reported, view the bugs assigned to them, and update the status of the bugs they are assigned to.

User Roles: The system should support two roles: Admin and User. Admin should be able to perform all CRUD operations on bugs and manage users.

Search Functionality: Users should be able to search for bugs by name, project, and status.

# Non-functional Requirements:

Usability: The system should have a user-friendly interface that is easy to navigate and use.

Security: The system should be secure and protect users' personal information and bug data.

Reliability: The system should be reliable and available 24/7 with minimal downtime.

Overall, the Bug Tracking System is a vital tool for any software development team to manage bugs efficiently and ensure a smooth development process. With its easy-to-use interface, powerful search functionality, and robust notification system, the Bug Tracking System is an essential addition to any software development project.