

# BUG TRACKING SYSTEM

## THE BUG BUSTERS

WFS-5 team-2 Pune



# WANTED: INFERENCE DETECTIVE

Team Lead:

**Rujuta**

Members:

**Mamta**

**Sayali**

**Gariman Singh**

**Aryan Srivastava**

**Guru Sainath**

**Adi**

**Karthik**

**Soumya Padhiary**





# INTRODUCTION



The Bug Tracking System is an online application designed to facilitate effective management of bugs during the software development lifecycle. It serves as a centralized platform where software testers can report bugs, project managers can oversee bug resolution processes, and developers can update the status of bugs as they work towards fixes. This system is crucial for ensuring that software projects maintain high standards of quality by addressing and resolving issues in a structured and timely manner.

# PROJECT SCOPE OVERVIEW

## Key Features:

**User Management:** Secure user registration, login, and role-based access (Tester, Developer, Project Manager).

**Bug Tracking:** Comprehensive bug reporting and tracking with severity levels to prioritize resolution.

**Role-Based Access:** Tailored interfaces and functionalities for each user role to ensure efficient workflow management.



## User Roles:

- **Testers:** Identify and report bugs associated with specific projects.
- **Developers:** Update bug status and provide fixes.
- **Project Managers:** Oversee bug assignment, monitor project progress, and manage teams.

# PROJECT SCOPE DETAILS

## Deliverables:

- **Functional Bug Tracking System:** Including user interfaces for all roles, robust bug tracking features, and project management tools.
- **UI Design:** Consistent, user-friendly interface with clear navigation and accessible forms.
- **Testing & Validation:** Implementation of JUnit test cases for all core functionalities to ensure reliability and performance.

# TECHNOLOGY STACK

The Bug Tracking System is built using a robust and scalable technology stack that ensures high performance, security, and ease of development. The stack is divided into three main layers: Front-End, Back-End, and Database.

## **Front-End:**

- **HTML5:** Used for structuring and presenting content on the web. It forms the backbone of the user interface.



## **Back-End:**

### Programming Language:

- Java: A robust, object-oriented language ideal for building large-scale enterprise applications.

## **Database:**

### Database Management System:

- MySQL: Relational databases used for storing all user data, project information, and bug reports.




# WORK DONE BY EACH MEMBER

## FRONT-END TEAM

- 1 SAYALI
- 2 KARTHIK
- 3 SAUMIYA
- 4 MAMTA
- 5 ARYAN

## BACK-END TEAM

- 1 GARIMAN
- 2 GURU
- 3 ADITYA
- 4 RUJUTA

 Bug Buster Logo

# Bug Buster

## Create New Account

Already Registered? [Login](#)

Tracking bugs was never this seamless.

[Learn More](#)

## Sign up

Name

Rujuta Yeole

Email

RUJUTAYEOLE2002@GMAIL.COM

Password


.....

Role

Developer



Sign Up

 Bug Buster Logo

# Bug Buster

## Login

Are You New Here? [Create New Account](#)

Tracking bugs was never this seamless.

[Learn More](#)

## Sign in

Email

Password

Role

Select



Sign in

**REPORT it.**

**TEST it.**

**FIX it.**

**BUG BUSTER**

# Project Manager Dashboard

## Projects

Project Name	Start Date	Action
Project Alpha	2024-08-20	<button>View Details</button>
Project Beta	2024-09-15	<button>View Details</button>

## Send Message to Developer

Select Project:

Project Alpha

Select Developer:

Dev A

Message:

Send Message



# Developer Dashboard

## Assigned Projects

Project Name	Bug Title	Action
Project Alpha	Login issue	Mark as Resolved
Project Beta	UI glitch on dashboard	Mark as Resolved

## Update Bug Status

Select Project:

Project Alpha



Select Bug:

Login issue



Status:

Update Status

## Report Bug

Select Project

Project 1



Bug Title

Description

# Welcome, Tester

To the world of seamless bug reporting.