**Bug Tracking System**

**Project Scope:**

To create a bug tracking system for the software production. The application can be made either as Web Application, Mobile Application or Desktop Application. There are 1 entities Employee.

**Required Features:**

* Employee should be able to login through the app.
* System should have details about the project and dashboard showing current bugs.
* Employees should be able to raise ticket for the bug.
* Provide critical levels for bugs (low, medium, high, severe).
* Employee should be able to add note to the ticket.
* Employee should be able to paste code snippets.
* Employee should be able to highlight important words in note using # tag.
* Employee should be able to tag responsible person for bug fix using @ tag.
* When @ is typed then list of employees should be displayed and should be able to select the responsible employee.
* When using # and @ the text color should be changed so it can be highlighted.
* When @ is used and ticket is raised then the responsible employee should be notified.
* Once bug is solved employee should be able to close the ticket.
* Create a good UI for good user experience.
* Plan a good architecture pattern for the project.
* Provide security for project.

**Suggested Stack:**

1. **JAVA Track:**

* Java 8
* Angular 6+
* Maven
* Spring Boot 2.x
* SpringREST
* Spring Data JPA
* Postman
* Oracle/Postgres
* JUnit 5/Mockito
* Sonarqube
* JACOCO

1. **.NET Track**

* C#
* Asp.net
* EntityFramework
* Angular 6+
* MSBuild, MSTest/NUnit,
* SQL/MySQL/Oracle/Postgres