# BUG TRACKING SYSTEM

The project is an online bug tracking system for projects.The application allows software testers to report bugs for a project,project manager to view all bugs,assign bugs to developers and developers to update the bug status.

## Requirements:

 List of dependencies that is needed in able to run our library

* **Database:MySQL:**

This is needed to store all the data collected from the user as well as the data that is required to run the application.Their are four database designed altogether.Firstly for the users i.e Project Manager,Developer,Testers.Secondly, we have a database of the projects.Thirdly,a database is maintained for the team formed by the project manager and Lastly a database of bugs.

* **JAVA version 1.8 and above:**

Any version of Java above1.8 can be installed directly from the web browser.The JDK and JRE are must for running our Java based application.64-bit Eclipse needs a 64-bit JDK.

* **STS version 4.4.2 &above**

Spring Tool Suite is an IDE to develop Spring applications. It is an Eclipse-based development environment. It provides a ready-to-use environment to implement, run, deploy, and debug the application.

Download Spring Tool Suite from [https://spring.io/tools3/sts/all.](Downloads)

* **Eclipse version 4.6 &above**

Eclipse is a **Java-based application** and, as such, requires a Java Runtime Environment or Java Development Kit (JRE or JDK) in order to run. Note that on recent versions of Mac, a full JDK needs to be installed, not just a JRE

Download Eclipse from [https://www.eclipse.org/downloads/packages/installer](Downloads)

While the Spring IDE project provides a set of plugins for the Eclipse IDE, the Spring Tool Suite comes as a ready-to-use distribution of the latest Eclipse releases with the Spring IDE components pre-installed. This includes the tc Server integration for Eclipse (another IDE extension that is provided by Pivotal as an open-source project) and various other additions to Eclipse that turn the pure Eclipse IDE into a ready-to-use, best-of-breed environment for enterprise Spring application development.

* **Apache Tomcat version 8 and above**

Tomcat is **a** web server (can handle HTTP requests/responses) and web container implements Java Servlet API.

Any version above version 8 is best for running the HTTP page.

It can be downloaded from [https://tomcat.apache.org/download-80.cgi](Downloads)

## Installation:

 step by step instruction on how to install your library….…..

## Usage:

* The homepage contains three options 1.Import Users 2.Register 3.Login
* A new user needs to register themselves with their name and email id ,post which they will be directed back to the homepage to login.
* The import users is used by the manager to include or exclude projects and bug types.
* If the user is already registered he/she can directly login
* The project manager can perform a set of operations

1. Create new project and assign the project to the team
2. Form a team
3. Can manage the previously assigned projects and bug status.

* The Tester can open a project assigned to him and click on report new bug.This will pass all the details of the Project and bug to the developer.
* The Developer can open the Bug assigned ,resolve it and mark the status of the Bug as completed

## Credits:

Gautami S Nair

Anindya Singhmar

Gaurav Pandey

Chaitanya Ashtekar

Raga Rasagna P

Vandana Bora

Lokinendi Sai Harshita

Anuraag Ajaykummar

Mounika Kalakonda

Avirupa Saha