Graphic Era Deemed To Be University Dehradun, Uttarakhand

A Project Report

On

"Bug Tracking System"

COURSE

Computer Science and Engineering

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PROBLEM STATEMENT

Bug Tracking system allow individual or groups of developers to keep track of outstanding bugs in their product effectively.

- Programmers are not able to track their mistakes called bugs effectively.
- Due to this, they delay the submission dateline of the software projects.
- Having complete information in the initial bug report helps developers to quickly resolve the bug.

Why we need bug tracking system:

Nowadays, when projects are so extensive, the one sure thing that will happen is bug. Because of that, It becomes very important to have appropriate bug tracking system.
The purpose of this project is to give some direction for developer to enhancement in their work by tracking the bugs they face while developing.

MOTIVATION

In the era of software world, the programmers program software's and they encounter lots of bugs in their software projects more than anyone else. They just confused with these bugs and due to this they delay the submission dateline of the software projects and as I want to be a software engineer, I want to solve these big problems for developers, so for this I researched regarding this and I found it very interesting so, all these things motivate me a lot to go ahead with this project.

WHAT IS BUG TRACKING?

A bug tracking system is a software that keeps tracks of Bugs detected by tester of software and provide complete details regarding bugs to the developer.

It will help a developer or a tester to track the bug details as well as the bug type.

Objective: -

    a. To keep track of bugs detected in a project.
    b. Real-time tracking solution to keep track of the bugs detected.
    c. Store the bug information with a unique id in the database.
    d. Easy to keep track of the bug and its resolving status.

Functionalities: -

The three functionalities of the "Bug Tracking System" are: -

1. Creating a new text file and writing the details entered by the user into text file.
2. Option to change the status of Bug.
3. Report of specific bug file.

REQUIREMENTS

1. Operating system (Any).
2. Web browser.
3. Vs code or any compiler.

METHODOLOGY

The methodology of developing of project will be a step-by-step sequence to design, develop and deliver the application.

Following steps will be followed in this methodology:

a. Initiation (requirement specification).
b. Planning and design.
c. Execution (construction and coding).
d. Validation (testing).
e. Closure (installation and maintenance).

CHALLENGES FACED

1. As this is my first project, I had started it from scratch for which I took help from my teacher under whom I am doing my project.

2. Lack of knowledge about my project for which I have to refer IIT research papers.

3. I had to design this project properly, so I tried proper code structure which was little tough.

CONCLUSION

Utilizing bug tracking software can assist troubleshooting errors for testing and for development process, it will also help us to manage the bug effectively and efficiently. With the ability to provide reports, documentation, tracking bugs and issues, bug tracking software is a great tool for software developers.

REFERENCES

- www.google.com
- www.geeksforgeeks.com
- IIT research paper.
- www.tutorialspoint.com