

E-BUG TRACKING SYSTEM

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ABSTRACT

E-Bug tracking system is a software solution designed to manage the bug or errors in software. Main aim of this project to help the customer to improve quality and reliability of their software. Instead of using traditional methods of bug finding customer take advantage of this system. Traditional method takes too much time, to reduce this waste of time here is e bug tracking system. Customer can work fast using this system to improve their product quality. This System is free of cost the customer has no need to spend money. They just need to has login id and password to get advantage of this app features.

Keywords: E-bug Tracking System,

I. INTRODUCTION

The bug tracking system is a bug tracking tool for the software. It is process of logging and monitoring bugs or errors during software testing. It is also referred as to as defect tracking or issue tracking. Bug Tacking System allows individual or groups of developers to keep track of outstanding bugs in their product effectively. Software receives all bugs and then categorizes them based on the software company's criteria. This system maintains the products, Bugs and bug Tracking. Only customer need to login id and password. After login customer need to add project entry and after adding project entry they need to add bug details. It has advantage of maintaining bug history it stores all the details from bug origin to bug resolution. There are total 3 modulus in this project admin module, staff module and customer module.

II. METHODOLOGY

For developing this project used PHP, JavaScript, HTML, Bootstrap language as a frontend language and my SQL database for the backend language.

Admin module:

The administrator too has the authority to update the master details of severity level, status level, etc modules of the project. The administrator adds the users and assign them responsibility of completing the project. Finally, on analyzing the project assigned to the particular user, the administrator can track the bugs, and it is automatically added to the tables containing the bugs, by order of severity and status.

Customer Module:

User has to send the bug details of the application and also view the status of the bug can be fixed or not. If bug already intimate or already fixed user receive the notification about the bug details.

Staff Module:

This module maintain staff details and login and registration of staff.

Bootstrap:

Bootstrap is a CSS framework and toolkit. It is the most popular HTML (Hypertext Markup Language), CSS (Cascading Style Sheet), and JavaScript framework for developing responsive. It is a framework used for easier and faster web development. It is easy to use. Anybody having basic knowledge of HTML and CSS can use bootstrap. It is compatible on most pf browser like chrome, Firefox, Internet Explorer, Safari and opera etc.

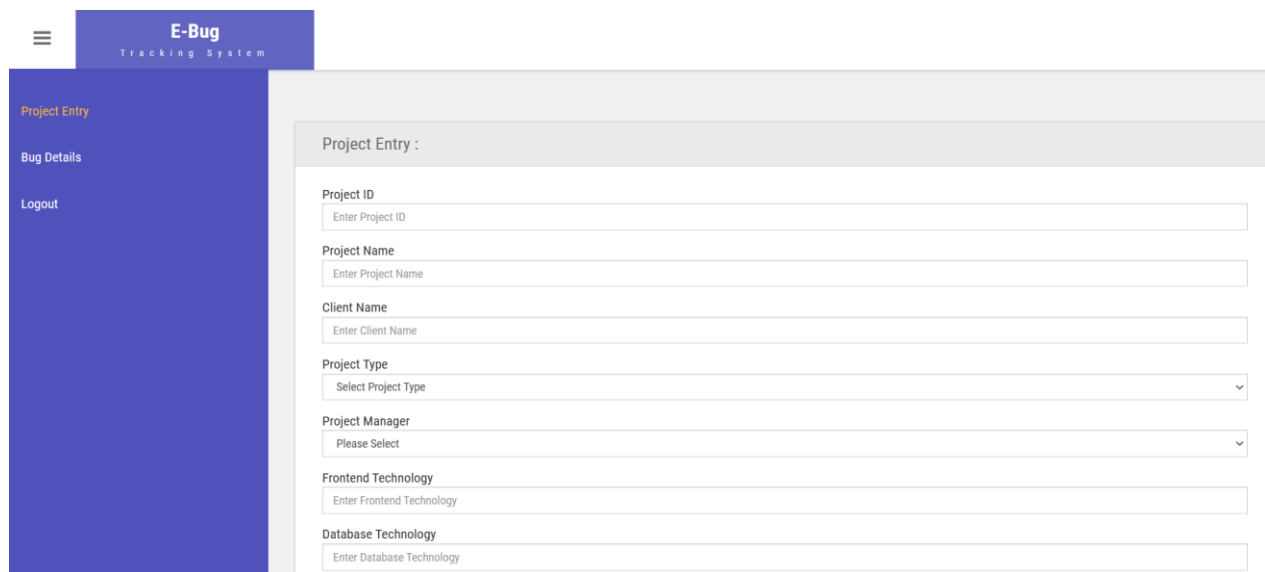
PHP:

PHP (Hypertext preprocessor) is an open source server-side scripting language used for dynamic web development and can be embedded into HTML codes. PHP can access a database. It is open Source general-purpose scripting language.

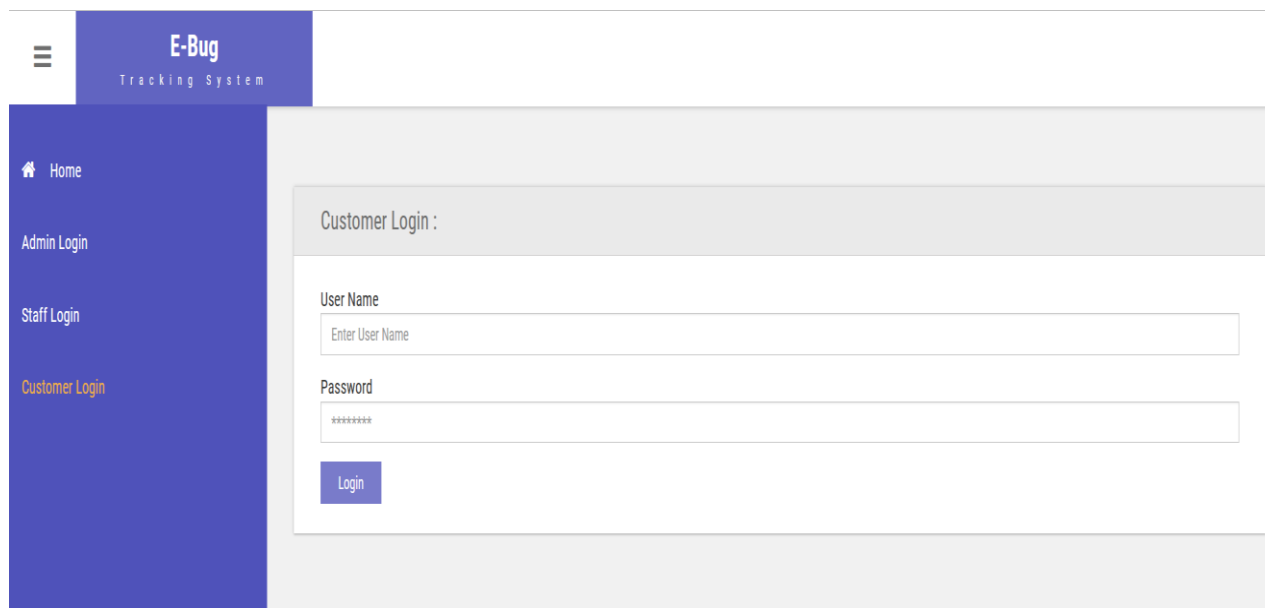
HTML & JavaScript:

Hyper Text Markup Language or HTML is standard markup language for documents designed to displayed in a web browser. It is frequently assisted by technologies such as Cascading Style Sheets and scripting languages such as JavaScript. JavaScript is the programming Language for the web. JavaScript can update and change both HTML and CSS. JavaScript can calculate, manipulate and validate data.

1.Admin Module



The screenshot shows the 'Project Entry' form in the E-Bug Tracking System. The form is located on the right side of the page, with a blue sidebar on the left containing navigation links: 'Project Entry' (highlighted), 'Bug Details', and 'Logout'. The form itself has a title 'Project Entry :' and contains several input fields: 'Project ID' (with placeholder 'Enter Project ID'), 'Project Name' (with placeholder 'Enter Project Name'), 'Client Name' (with placeholder 'Enter Client Name'), 'Project Type' (a dropdown menu with 'Select Project Type'), 'Project Manager' (a dropdown menu with 'Please Select'), 'Frontend Technology' (with placeholder 'Enter Frontend Technology'), and 'Database Technology' (with placeholder 'Enter Database Technology').



The screenshot shows the 'Customer Login' form in the E-Bug Tracking System. The form is located on the right side of the page, with a blue sidebar on the left containing navigation links: 'Home', 'Admin Login', 'Staff Login', and 'Customer Login' (highlighted). The form has a title 'Customer Login :' and contains two input fields: 'User Name' (with placeholder 'Enter User Name') and 'Password' (with placeholder '*****'). Below the password field is a blue 'Login' button.

2. Staff Module:

E-Bug
Tracking System

Staff Register
Logout

Staff Registration :

Staff ID

Enter Staff ID

Staff Name

Enter Staff Name

Contact No

Enter Contact No

Email ID

Enter Email ID

Gender

Select Gender

Address

Enter Address

Username

Enter Username

E-Bug
Tracking System

Project Entry
Bug Details
Logout

Bug Details :

Bug ID

Enter Bug ID

Bug Name

Enter Bug Name

Bug Hours

Enter Bug Hours

Project Code

Enter Project Code

Staff Code

Enter Staff Code

Bug Type

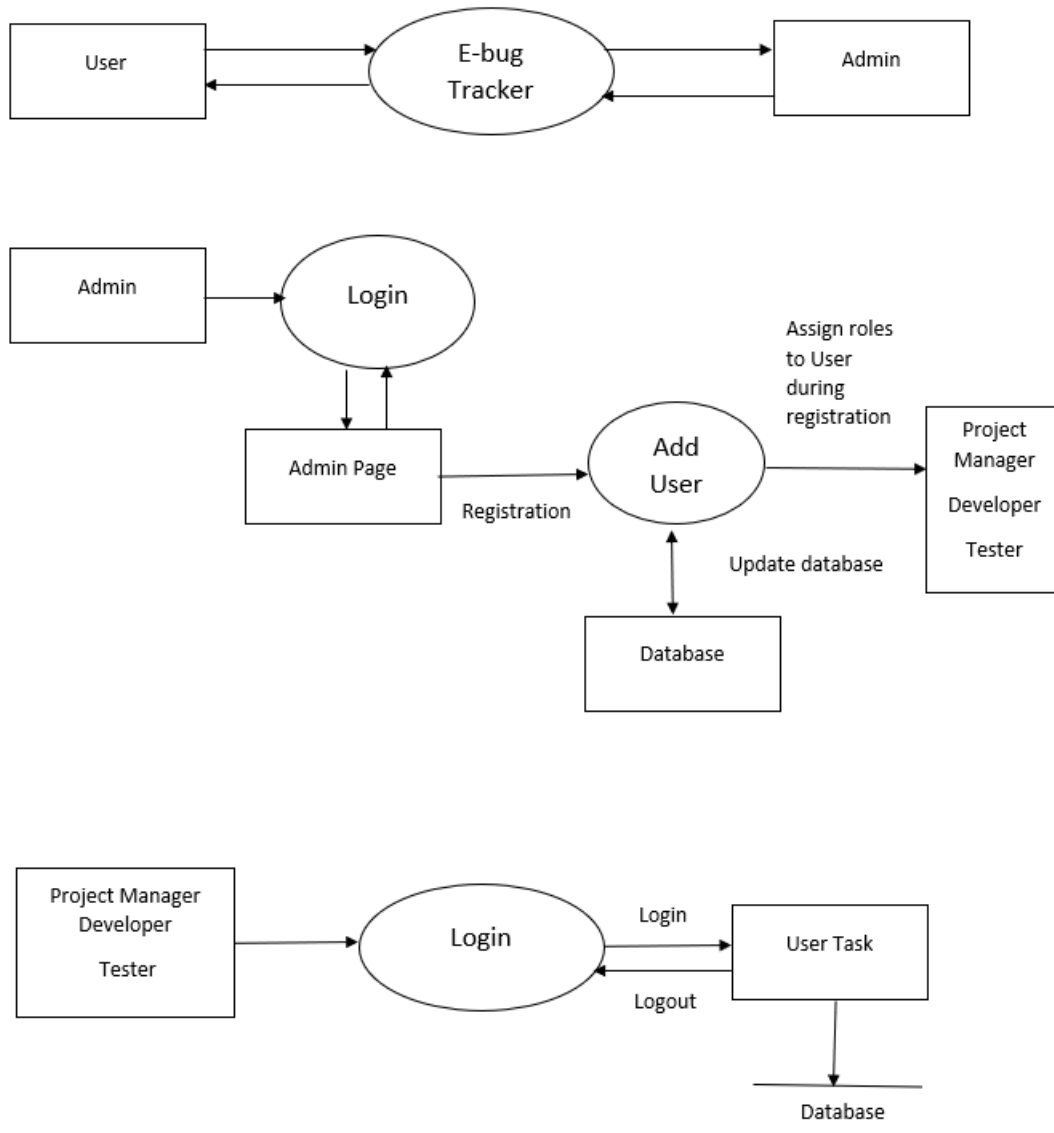
Select Bug Type

Bug Status

Select Bug Status

III. MODELING AND ANALYSIS

1.Dataflow Diagram:



IV. ADVANTAGES

Bug Tracking System helps to detect and manage the bugs in software products effectively.

Bug tracking software is relevant to find, fix and track bugs to reduce cost of development and deliver high quality product to customer.

It saves time and enhances the team's productivity.

v. CONCLUSIONS

Bug Tracking System helps to detect and manage the bugs in software products effectively.

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