

## 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.

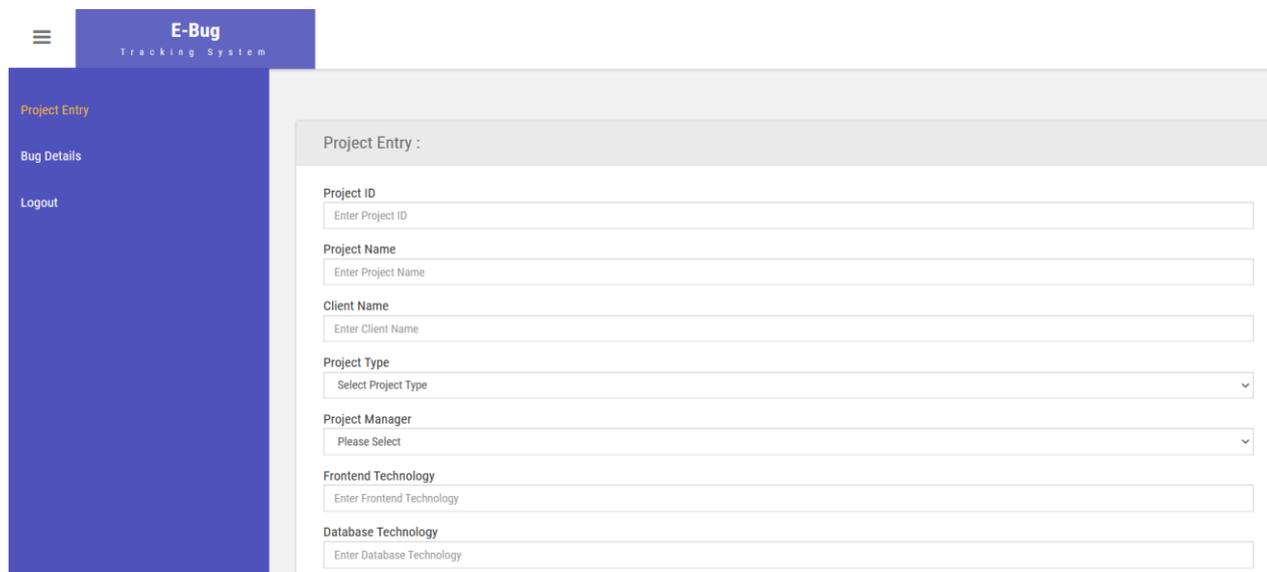
**PHP:**

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.

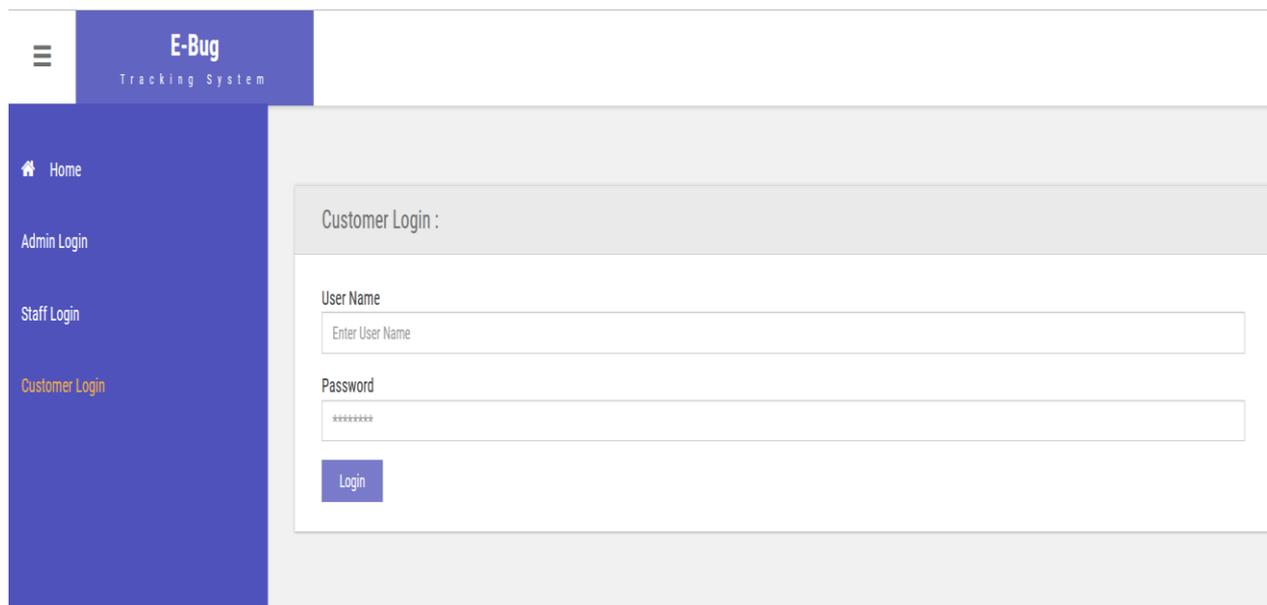
**HTML & JavaScript:**

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**

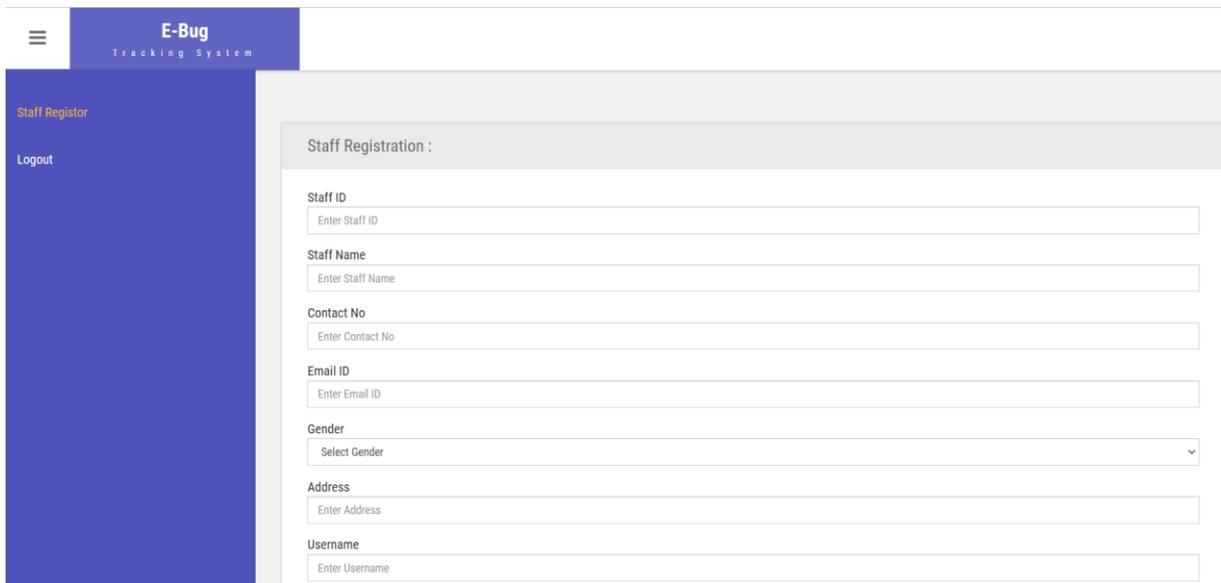


The screenshot shows the 'Project Entry' form in the E-Bug Tracking System. The form is located on the right side of a blue sidebar. The sidebar contains a menu with 'Project Entry' (highlighted), 'Bug Details', and 'Logout'. The form fields are: Project ID (text input), Project Name (text input), Client Name (text input), Project Type (dropdown menu), Project Manager (dropdown menu), Frontend Technology (text input), and Database Technology (text input).



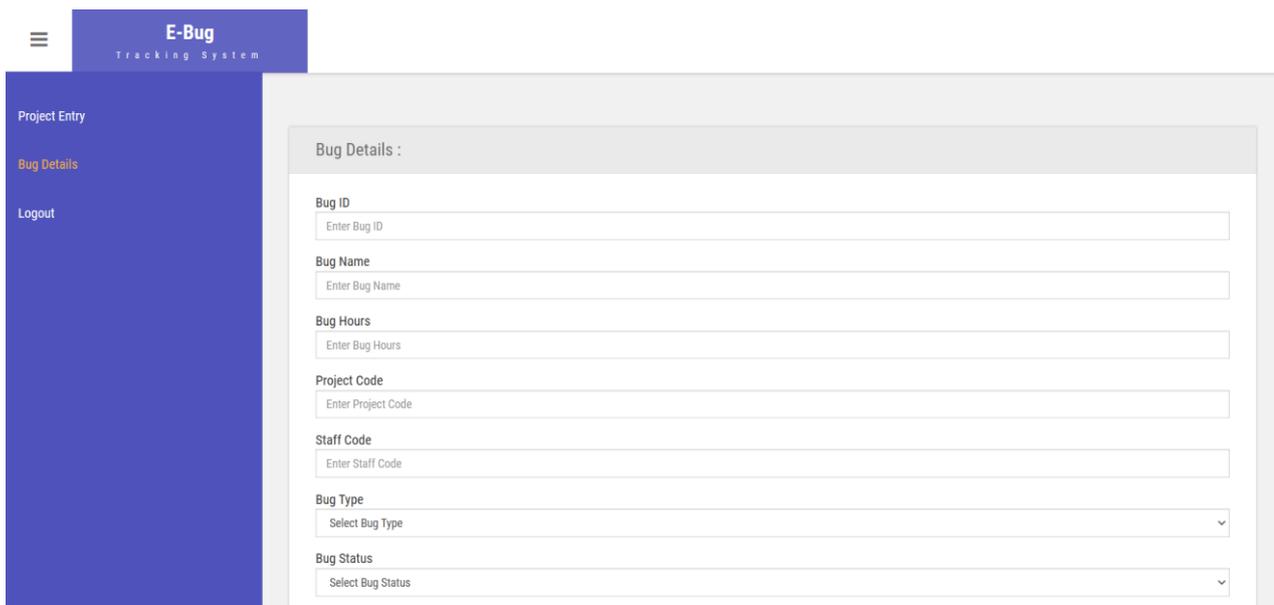
The screenshot shows the 'Customer Login' form in the E-Bug Tracking System. The form is located on the right side of a blue sidebar. The sidebar contains a menu with 'Home', 'Admin Login', 'Staff Login', and 'Customer Login' (highlighted). The form fields are: User Name (text input), Password (password input), and a 'Login' button.

## 2. Staff Module:



The screenshot shows the 'Staff Registration' form within the 'E-Bug Tracking System' interface. The left sidebar contains 'Staff Register' and 'Logout' options. The main form area is titled 'Staff Registration :' and includes the following fields:

- Staff ID**: Enter Staff ID
- Staff Name**: Enter Staff Name
- Contact No**: Enter Contact No
- Email ID**: Enter Email ID
- Gender**: Select Gender (dropdown menu)
- Address**: Enter Address
- Username**: Enter Username

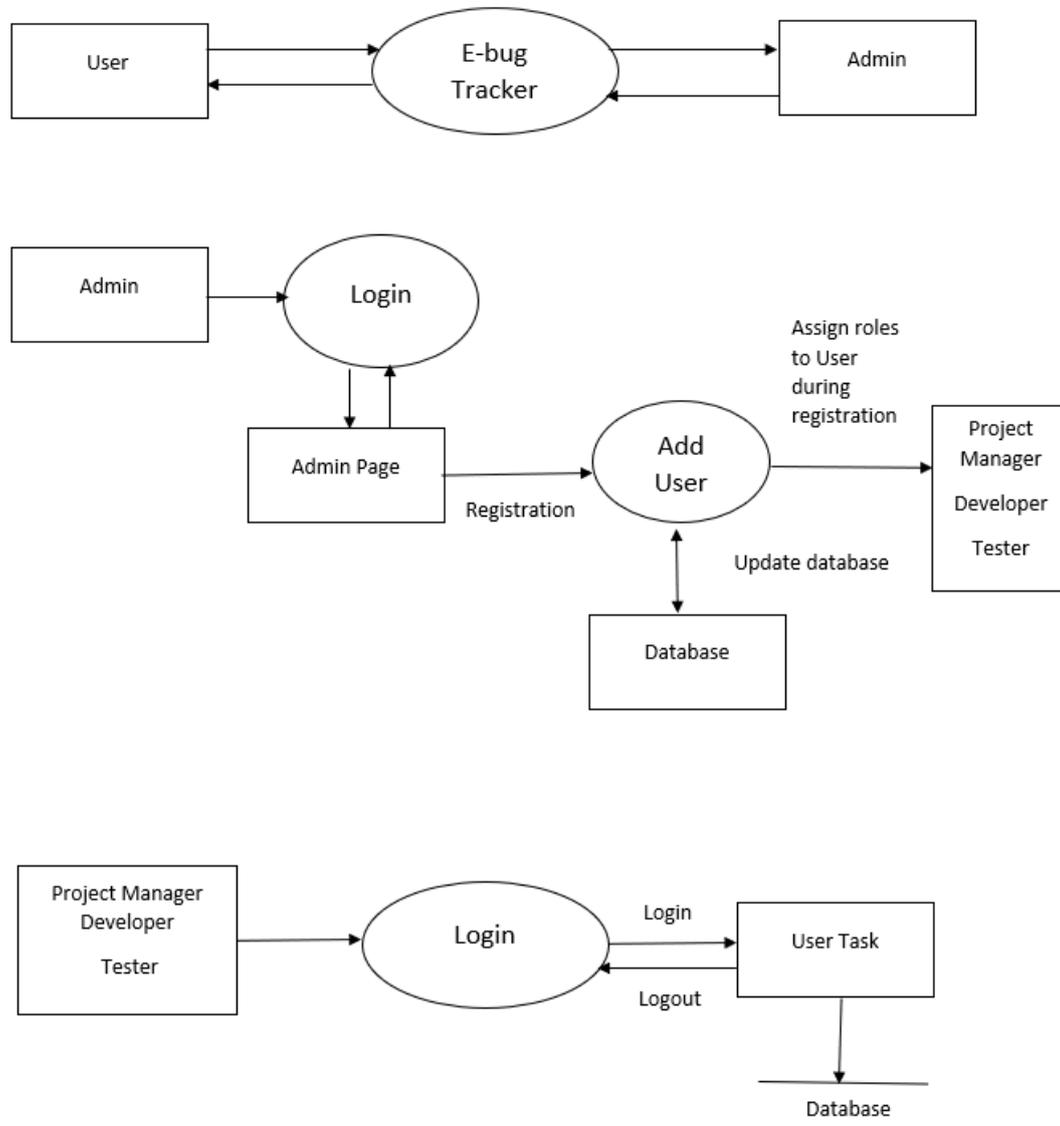


The screenshot shows the 'Bug Details' form within the 'E-Bug Tracking System' interface. The left sidebar contains 'Project Entry', 'Bug Details', and 'Logout' options. The main form area is titled 'Bug Details :' and includes the following fields:

- 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 (dropdown menu)
- Bug Status**: Select Bug Status (dropdown menu)

### 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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