



Catch and Post Bugs – BUG CATCHER

Minor Project

Disclaimer

This Software Requirements Specification document is a guideline. The document details all the high level requirements. The document also describes the broad scope of the project. While developing the solution if the developer has a valid point to add more details being within the scope specified then it can be accommodated after consultation with IBM designated Mentor.

INTRODUCTION

The purpose of this document is to define scope and requirements of a Simple browser based Bug Catching and Posting – BUG CATCHER tool for a leading software company. The proposed tool will make testing sessions productive and record the details to aid the development team for quick resolution.

1. A very simple clutter free user interface.
2. Quick and easy tool to make bug reporting directly into the system and remove dependency on spread sheets.
3. Tool provides a simple status updates for smooth communication between testing and development team.

This document is the primary input to the development team to architect a solution for this project.

System Users

The development teams of the software company shall primarily use the system.

Assumptions

1. BUG CATCHER will be integrated with the software company's intranet, thus use the login and authentication mechanism of intranet only.
2. For the purpose of this project, list of projects, project teams, test cases per project shall be uploaded from the backend.

REQUIREMENTS

BUG CATCHER tool will allow the testing team to post bugs and the development team to access information, post comments and update the bug status.

Pre-requirement for use of this application is that the project teams bookmark this tool's URL in their browsers.

While testing web-based project applications, a bug is encountered. The user will access BUG CATCHER application already bookmarked in the browser and capture the following details for a project.

1. URL of the page where the bug was found
2. Attach a snapshot of the error page.
3. Select the test case, enter brief title, select severity [Show Stopper, High, Medium, Low] and post the bug.

The tool will save the above bug information along with data like testing user id, project.

DEVELOPMENT ENVIRONMENT

Landing Page

The tool displays the landing page list of projects and the count of bugs reported and resolved. The list displayed is valid only for the logged in user, thus the projects on which this user has rights are displayed along with the bugs reported by the user.

On click of the project, the row expands to display the list of bugs. The bug titles are displayed with a status of Closed [Ticked] or Work in Progress [Yellow bar]. User may choose to test this requirement again and post verified status on the bug status. The verified bug moves out of this list view.

On top of the page there are 3 links [Catch Bug] and [Set Project] [Test Cases]

On click of Catch Bug, the bug capture form opens up for user to fill and post.

Set Project displays a list of projects (Pre-loaded), the user selects the project which is being tested in the current testing session.

The Test Cases link displays the list of test cases in the active project and the status of test case.

Access Bug Record

The development team shall be able to access bug records as per the projects assigned to them. From the landing page if they view the bug listing, the user can click and open the Bug Record, fix the issue offline in the development environment, do a unit test and release it for verification to the testing team. The development user posts the status of the bug as 'Fixed'

Close a Test Case

The system will mark "Closed" once all the bugs have been fixed and verified for a test case. The test cases for which there were no bugs reported will require the user to manually set the status as Closed.

BUG CATCHER will be developed as a web application using Java/JSP and DB2 database. Eclipse will be used as the IDE for the same. You may consider using a JavaScript framework like jQuery/Prototype/ Scriptaculous.