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Software and Hardware Quality Testing & Certification Centre Bangladesh Computer Council

***Good Governance Activity Management System (GGAMS)***

**Test Summary Report**

**Version *<1.0>***

***18/12/2022***

VERSION HISTORY

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Version #** | **Implemented By** | **Revision**  **Date** | **Approved**  **By** | **Approval**  **Date** | **Reason** |
| 0.1 | *SHQTC Team* | *18/12/2022* |  |  | *Draft CMS Test Summary Report* |
| 1.0 | *SHQTC Team* | *26/09/2022* | *Mohammad Saiful Alam Khan* | *26/09/2022* | *Approved Version of Test Summery Report* |

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# 1.0 INTRODUCTION

## 1.1 **Purpose:**

This test summary report represents the summary of overall testing activities for Case Management System (CMS) in TEST CYCLE-1. This document includes-

* Over all test execution summary
* Module wise test execution summary
* Test results
* Defect summary

## 1.2 **Project Description:**

The purpose of this application is to automate the law department processes of DSCC, so that the operation of CMS (Case Management System) runs Smoothly, Accurately, and Efficiently. The following module is developed in the system:

1. Case Management:

* Case Entry
* Case Update
* Case Delete
* Assign Lawyer/Lawyers on Case/Cases
* Case Report
* Case Hearing Report

2. Lawyer Management:

* Lawyer Entry
* Lawyer Update
* Lawyer Report
* Lawyer Delete

3.Document/Attachment:

* Attachment Entry
* Attachment Update
* Attachment Delete

# 2.0 TEST SUMMARY

**Project Name**: Case Management System (CMS)

**System Name:** CMS

**Version Number:** 1.0

## 2.1 **Summary of Testing Activities**

|  |  |
| --- | --- |
| **Discovery** | **Deliverables** |
| Understood the application functionality & navigation flows | Application queries |
| Analysed the call flow of the application |
| **Planning** |  |
| Built test plan | Test Plan |
| Determined possible test scenarios |
| **Authoring** |  |
| Prepared complete test case document | Functional Test case and traceability matrix documents |
| Reviewed test cases |
| **Execution** |  |
| Test scenario execution on Chrome Browser | Test Execution Report |
| Published test execution report | Daily Status Report |
| Published defect summary report | Defect Summary Report |
| **Closure** |  |
| Creation of test summary report | Test Summary Report |

## **2.2 Test Scope**

Perform the manual functional testing of the application on Web Browser for all the test cases identified from the In-scope modules:

### Features to be Tested

### Features to be Tested -Functional:

**Case:**

* Case entry
* Case update
* Case deletes
* Assign lawyer on case
* Case reports and action
* Case search

**Lawyer:**

* Lawyer entry
* Lawyer update
* Lawyer deletes
* Lawyer search
* Lawyer reports and action

**User:**

* User entry
* User update
* Users delete

**Operator:**

* Operator entry
* Operator update
* Operators delete

**Attachment:**

* Attachment entry
* Attachment view
* Attachment edits
* Attachment deletes

**Report:**

* Report Generating

## **2.3 Features Not to Be Tested**

* *Unit Testing*
* *Database Testing*
* *Integration Testing*
* *Regression Testing*
* *Any other activities that are not covered in scope*

## **2.4 Test Case Authoring Summary:**

| **SL No** | **Module** | **Total Scenarios count** | **Total Test cases count** |
| --- | --- | --- | --- |
| 1 | Admin | 15 | 98 |
| 2 | Rolewise User | 9 | 16 |
| Total | | **24** | **114** |

## **2.5 Overall Test Case Execution Summary:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Total test case count** | **Executed** | **Passed** | **Failed** | **Blocked** | **Untested/Skipped** |
| 114 | 114 | 97 | 17 | 0 | 0 |

## **2.6 Test case Execution Module Wise Summary:**

| **SL No** | **Module** | **TS count** | **TC**  **count** | **TC**  **executed** | **TC**  **passed** | **TC**  **failed** | **TC blocked** | **TC un-tested/skipped** | **No. of Reported Defects** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | Admin | 15 | 98 | 98 | 84 | 14 | 0 | 0 | 14 |
| 2 | Rolewise User | 9 | 16 | 16 | 13 | 3 | 0 | 0 | 3 |
| **Total** | | **24** | **114** | **114** | **97** | **17** | **0** | **0** | **17** |

## **2.7 Test Type (Functional)**

**Test Owner**: SHQTC Team

**Test Date**: [4th August 2022 to 19th December 2022]

**Test Results**: Test cases are executed on Chrome browser and overall Execution is at 100.00%.

**Overall execution will reach to 100% once the blocked & skipped test cases get executed.**

**Additional Comments**: The Pass percentage will increase once the defects get fixed & retested.

## **2.8 Test Schedule Summary**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Functional** | **Activity** | **Planned** | | **Actual** | | **Comments** |
| **Start Date** | **End Date** | **Start Date** | **End Date** |  |
| Functional | KT & Plan | 06-Nov-22 | 28-Aug-22 | 04-Dec-22 | 05-Dec-22 |  |
| Test Case Authoring | 07-Nov-22 | 08-Sep-22 | 06-Dec-22 | 07-Dec-22 |
| Test Case Execution | 11-Sep-22 | 22-Sep-22 | 08-Dec-22 | 13-Dec-22 |
| Defect Verification | 25-Sep-22 | 29-Sep-22 | Yet to start |  |
| Reporting & Closure | 02-Oct-22 | 03-Oct-22 | Yet to start |  |
|  |  |  |  |  |  |  |

# 3.0 TEST ASSESSMENT

All Test Cases and Scenario is prepared by SHQTC Team.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Test Scenario No.** | **Module** | **User Type** | **Sub Module** | **Sub-Submodule** | **Sub-Sub-Submodule** | **Test Scenario** |
| TS001 | Admin | Super admin | Admins | New Admins |  | Verify UI and functionality for new admin |
| TS002 | Admin | Super admin | Admins | Admin List |  | Verify UI and functionality for admin list |
| TS003 | Admin | Super admin | Lawyers | New Lawyer |  | Verify UI and functionality for new lawyer |
| TS004 | Admin | Super admin | Lawyers | Lawyer List |  | Verify UI and functionality for lawyer list |
| TS005 | Admin | Super admin | Users | New User |  | Verify UI and functionality for new user |
| TS006 | Admin | Super admin | Users | User List |  | Verify UI and functionality for user list |
| TS007 | Admin | Super admin | Operators | New Operator |  | Verify UI and functionality for new operator |
| TS008 | Admin | Super admin | Operators | Operator List |  | Verify UI and functionality for operator list |
| TS009 | Admin | Super admin | Cases | New Case |  | Verify UI and functionality for new case |
| TS010 | Admin | Super admin | Cases | Case List |  | Verify UI and functionality for case list |
| TS011 | Admin | Super admin | Attachments | New Attachment |  | Verify UI and functionality for new attachment |
| TS012 | Admin | Super admin | Attachments | Attachment List |  | Verify UI and functionality for attachment list |
| TS013 | Admin | Super admin | Report | Lawyer Detail |  | Verify UI and functionality for lawyer detail |
| TS014 | Admin | Super admin | Report | Case Detaill |  | Verify UI and functionality for case detaill |
| TS015 | Admin | Super admin | Report | Case Hearing |  | Verify UI and functionality for case hearing |
| TS016 | Rolewise user | Lawyer |  |  |  | Verify UI and functionality for Lawyer Module |
| TS017 | Rolewise user | User |  |  |  | Verify UI and functionality for user module |
| TS018 | Operator | Operator | Add Case |  |  | Verify UI and functionality for adding case |
| TS019 | Operator | Operator | View Case List |  |  | Verify UI and functionality for viewing case list |
| TS020 | Operator | Operator | Add Lawyer |  |  | Verify UI and functionality for adding lawyer |
| TS021 | Operator | Operator | View Lawyer List |  |  | Verify UI and functionality for viewing lawyer list |
| TS022 | Operator | Operator | Add Attachment |  |  | Verify UI and functionality for adding attachment |
| TS023 | Operator | Operator | View Attachment |  |  | Verify UI and functionality for viewing attachment |
| TS024 | Login Screen | Admin/Lawyer/Operator/User |  |  |  | Verify UI for Login Screen before logging in to the portal |

# 4.0 TEST RESULTS

These graphs depict the test case execution based on execution results and defect reported in Bugzilla

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Total Scenarios Count** | **Total Test cases count** | **Total no. of Test cases executed** | **Passed Test Case** | **Failed Test Case** | **Blocked Test Case** | **Untested Test Case** | **Total Reported Defects** |
| 24 | 114 | 114 | 97 | 17 | 0 | 0 | 17 |

## **4.1 Defect Summary by Severity**

**4.2 Defect Summary by Module**

## **4.3 Defect Distribution by Module and Severity**

| **Module/Severity** | **Blocker** | **Critical** | **Major** | **Normal** | **Minor** | **Trivial** | **Enhancement** | **Total** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Admin | 0 | 0 | 2 | 7 | 0 | 5 | 0 | 14 |
| Rolewise User | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 3 |
| **Total** | **2** | **0** | **2** | **8** | **0** | **5** | **0** | **17** |

## **4.4 Test Results Location**

All the Test Results and Screen shots are stored in below path

[\\10.106.11.185\QMS\Projects\CMS\Execution](file:///\\10.106.11.185\QMS\Projects\CMS\Execution)

## **4.5 Defect Summary**

**Total Number of Defects: 17**

**Total Number of Defects Fixed: 0**

**Total Number of Defects Verified by SHQTC: Yet to Start**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Bug ID** | **Component** | **Severity** | **Status** | **Resolution** | **Summary** |
| **2547** | **Admin** | **trivial** | **CONFIRMED** | **---** | **Admins||NewAdmin||Asterisk(\*)mark is missing from mandatory field in add new admin page** |
| **2548** | **Admin** | **trivial** | **CONFIRMED** | **---** | **Cases||NewCase||Asterisk(\*) mark is missing from mandatory field in add new case page** |
| **2549** | **Admin** | **major** | **CONFIRMED** | **---** | **Cases||CaseList||Future hearing cases with assigned lawyer has been deleted from case list page** |
| **2550** | **Admin** | **normal** | **CONFIRMED** | **---** | **Cases||CaseList||It takes date from system automatically not from edited last updated date field in case list page** |
| **2553** | **Admin** | **trivial** | **CONFIRMED** | **---** | **Attachments||NewAttachment||Asterisk(\*) mark is missing from mandatory field in add new attachment page** |
| **2557** | **Admin** | **normal** | **CONFIRMED** | **---** | **Admins||NewAdmin||Wrong email format works** |
| **2558** | **Admin** | **major** | **CONFIRMED** | **---** | **Attachments||AttachmentList||Executable file has been updated without showing any error message in attachment list page** |
| **2559** | **Admin** | **trivial** | **CONFIRMED** | **---** | **Lawyers||NewLawyer||Asterisk(\*)mark is missing from mandatory field in add New Lawyer page** |
| **2560** | **Admin** | **normal** | **CONFIRMED** | **---** | **Report||CaseHearing||User can not select past date in from date field** |
| **2561** | **Admin** | **normal** | **CONFIRMED** | **---** | **Lawyers||NewLawyer||Wrong email format works** |
| **2563** | **RoleWiseUsers** | **blocker** | **CONFIRMED** | **---** | **Operator||NewOperator|| Operator can not log in to the system** |
| **2568** | **Admin** | **trivial** | **CONFIRMED** | **---** | **Users||NewUser||Asterisk(\*)mark is missing from required fields in add New user page.** |
| **2574** | **Admin** | **trivial** | **CONFIRMED** | **---** | **Operators||NewOperator||Asterisk(\*)mark is missing from the required fields in New Operator page** |
| **2576** | **Admin** | **normal** | **CONFIRMED** | **---** | **Operators||NewOperator||Wrong email format works in New Operator page.** |
| **2577** | **Admin** | **normal** | **CONFIRMED** | **---** | **Users||NewUser||Wrong email format works in new user page** |
| **2578** | **RoleWiseUsers** | **blocker** | **CONFIRMED** | **---** | **Users||NewUser||User can not login into the system** |
| **2580** | **Admin** | **normal** | **CONFIRMED** | **---** | **Admin||User||Lawyer||Forgot Password option is not available in login screen** |

# 5.0 VARIANCES

NA

# 6.0 TEST INSTANCES

NA

## **Resolved Test Incidents**

NA

## **Unresolved Test Incidents**

NA

# 7.0 CHALLENGES

* Test data was limited.
* Detailed Standard Software Requirements Specification (SRS) was not provided. For that reason, it was difficult to understand the full flow of the functionalities and choosing Test Design Techniques.
* The developer team updated the system while testing which should not be done.

# 8.0 RECOMMENDATIONS

* All the challenges addressed above should be given top notch attention and appropriate resolution during the start of next engagement
* We should have prior intimation whenever server is down or network down so that we can halt execution and focus on other activities.
* SRS should be updated with All functionalities before regression and integration testing.

# 9.0 TESTING TEAM

| **Name** | **Role** | **Email** |
| --- | --- | --- |
| Mohammad Saiful Alam Khan | Test Manager | [saiful.khan@bcc.gov.bd](mailto:saiful.khan@bcc.gov.bd) |
| Md Arif Chowdhury | Test Engineer | [arif.chowdhury@bcc.gov.bd](mailto:arif.chowdhury@bcc.gov.bd) |
| Progga Labony | Test Engineer | [progga.labony@bcc.gov.bd](mailto:progga.labony@bcc.gov.bd) |
| Tabassum Ibnat Ena | Tester | tabassumibnat245@gmail.com |
| Sadia Subrin Nitu | Tester | sadiasubrinn@gmail.com |

APPENDIX A: Test Report Approval

The undersigned acknowledge they have reviewed the *Case Management System (CMS)* **Test Summary Report** and agree with the approach it presents. Changes to this **Test Summary Report** will be coordinated with and approved by the undersigned or their designated representatives.

|  |  |  |  |
| --- | --- | --- | --- |
| Signature: |  | Date: |  |
| Print Name: | *Mohammad Saiful Alam Khan* |  |  |
| Title: | Test Manager, SHQTC, BCC |  |  |
| Role: | Test Manager |  |  |

APPENDIX B: REFERENCES

The following table summarizes the documents referenced in this document.

|  |  |  |
| --- | --- | --- |
| **Document Name and Version** | **Description** | **Location** |
| *SRS document of CMS Online System.pdf* | Case Management System |  |

APPENDIX C: ACRONYMS

The following table provides definitions for acronyms relevant to this document.

|  |  |
| --- | --- |
| **Term** | **Definition** |
| CMS | Case Management System |
| SRS | Software Requirement Specifications |
| BA | Business Analyst |
| TS | Test Scenario |
| TC | Test case |

APPENDIX D: KEY TERMS

The following table provides definitions for terms relevant to this document.

| **Term** | **Definition** |
| --- | --- |
| Test Scope | The scope of testing is the extensiveness of the test process |
| Test Plan | A document describing the scope, approach, resources and schedule of intended testing activities |
| Software Requirements Specification | A software requirements specification (SRS) is a description of a software system to be developed |
| Module | It is a software component or part of a program that servers unique business operations |
| Test Scenario | A Test Scenario is defined as any functionality that can be tested |
| Test Case | A Test Case is a set of conditions or steps under which a tester will determine whether a system under test satisfies requirements or works correctly |
| Defect | A defect means an error where the program doesn't conform to the specifications |
| Bug | Bug and Defect are interchangeably used most of the times |
| Severity | It can be defined as the degree of impact that a defect has on the development or operation of a software or system |