Software Engineering Project(CS223)

**Test Report**

(Unit and System)

Version: 1.0

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**BOOK MANAGEMENT SYSTEM**

**THE LEARNING HUB | FACILITATING EDUCATION AT FINGERTIPS**

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**Revision History**

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **People** |
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# 1.0 Introduction

## 

## 1.1 Purpose

This *Unit and System* Test Report provides a summary of the results of test performed as outlined within this document.

# 

# Test PLAN

* + - 1. For unit testing, we will be testing major or important functions that we have implemented in the software.
      2. For system testing, we will be running tests for some of the major functionalities/ features of the software.

# Details of unit testing

## V

## Test Items

## Features To Be Tested

## Item Pass/Fail Criteria

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| S. No. | Function name | Class name | Input | Intended Output | Actual Output |
| 1 |  |  |  |  |  |
| 2 |  |  |  |  |  |
| 3 |  |  |  |  |  |

## Name of the test item 2 (test id)

## Test Items

## Features To Be Tested

## Item Pass/Fail Criteria

# details of system testing

## add/ view/ search resources

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Step** | **TEST STEP/**  **INPUT** | **Intended Result** | **Actual Result** | **Pass/Fail** | **Comments** |
| 0 | Login (Staff) |  |  |  |  |
|  | Enter id |  |  |  |  |
|  | Non-existing id |  |  |  |  |
|  | Existing id |  |  |  |  |
|  | Enter password |  |  |  |  |
|  | Wrong password |  |  |  |  |
|  | Correct password |  |  |  |  |
| 1 | Add New Resource | - | - | - | - |
| 1.1 | (resource details of some new resource) | void | void | - | Success will be checked in view all resources |
|  | (details of an already added resource resource) |  |  |  |  |
| 2 | Verify Resource | - | - | - | - |
| 2.1 | (existing id) |  |  |  |  |
| 2.2 | (non-existing id) |  |  |  |  |
| 3 | View All Resource |  |  |  |  |
| 4 | Search by Author | - | - | - | - |
| 4.1 | (name of author: exists) |  |  |  |  |
| 4.2 | (name of author: don’t exist) |  |  |  |  |
| 5 | Search by Title | - | - | - | - |
| 5.1 | (exists) |  |  |  |  |
| 5.2 | (does not exists) |  |  |  |  |
| 6 | Search by Id | - | - | - | - |
| 6.1 |  |  |  |  |  |
| 6.2 |  |  |  |  |  |
| 7 | Search by Tag | - | - | - | - |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

## Add new member and search and view : staff

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Step** | **TEST STEP/**  **INPUT** | **Intended Result** | **Actual Result** | **Pass/Fail** | **Comments** |
| 1 | Login (Staff) |  |  |  | Done already |
| 2 | Add New Member |  |  |  |  |
|  | (New details) |  |  |  |  |
|  | (Existing details) |  |  |  |  |
| 3 | View All Members |  |  |  |  |
| 4 | Verify Member |  |  |  |  |
|  | Existing |  |  |  |  |
|  | Non existing |  |  |  |  |
| 5 | View Profile of a Member |  |  |  |  |
|  | Existing |  |  |  |  |
|  | Non existing |  |  |  |  |

## issue resource : staff

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Step** | **TEST STEP/**  **INPUT** | **Intended Result** | **Actual Result** | **Pass/Fail** | **Comments** |
| 1 | Login (Staff) |  |  |  | Done already |
| 2 | Issue Resource |  |  |  |  |
| 3 | Enter user id |  |  |  |  |
|  | (non- existing) |  |  |  |  |
|  | (existing) |  |  |  |  |
| 4 | Enter resource id |  |  |  |  |
|  | (non- existing) |  |  |  |  |
|  | (existing) |  |  |  |  |
| 5 | Enter Date |  |  |  |  |

## return resource : staff

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Step** | **TEST STEP/**  **INPUT** | **Intended Result** | **Actual Result** | **Pass/Fail** | **Comments** |
| 1 | Login (Staff) |  |  |  | Done already |
| 2 | Return Resource |  |  |  |  |
| 3 | Enter User Id |  |  |  |  |
|  | Non |  |  |  |  |
|  | exists |  |  |  |  |
| 4 | Enter Resource Id |  |  |  |  |
|  | Non |  |  |  |  |
|  | Not issued |  |  |  |  |
|  | correct |  |  |  |  |
| 5 | Enter Date |  |  |  |  |
|  | Return date < issue |  |  |  |  |
|  | correct |  |  |  |  |

## collect fine : staff

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Step** | **TEST STEP/**  **INPUT** | **Intended Result** | **Actual Result** | **Pass/Fail** | **Comments** |
| 1 | Login (Staff) |  |  |  | Done already |
| 2 | Enter user id |  |  |  |  |
|  | Non |  |  |  |  |
|  | exists |  |  |  |  |
| 3 | Enter amount paid |  |  |  |  |
|  | <total fine |  |  |  |  |
|  | >total fine |  |  |  |  |

## renew resource : faculty

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Step** | **TEST STEP/**  **INPUT** | **Intended Result** | **Actual Result** | **Pass/Fail** | **Comments** |
| 1 | Login (Faculty) |  |  |  |  |
|  | Enter id |  |  |  |  |
|  | Non-existing id |  |  |  |  |
|  | Existing id |  |  |  |  |
|  | Enter password |  |  |  |  |
|  | Wrong password |  |  |  |  |
|  | Correct password |  |  |  |  |
| 2 | Renew Resource |  |  |  |  |
| 3 | Enter Resource Id |  |  |  |  |
|  | Res don’t exist |  |  |  |  |
|  | Not issued |  |  |  |  |
|  | Already renewed once |  |  |  |  |
|  | correct |  |  |  |  |

## suggest resource : faculty

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Step** | **TEST STEP/**  **INPUT** | **Intended Result** | **Actual Result** | **Pass/Fail** | **Comments** |
| 1 | Login (Faculty) |  |  |  |  |
| 2 | Suggest Resource |  |  |  |  |
| 3 | (Resource details) |  |  |  |  |
| … | (Already existing) |  |  |  |  |

## edit profile : student

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Step** | **TEST STEP/**  **INPUT** | **Intended Result** | **Actual Result** | **Pass/Fail** | **Comments** |
| 1 | Login (Student) |  |  |  |  |
| 2 | Enter id |  |  |  |  |
|  | Non-existing id |  |  |  |  |
|  | Existing id |  |  |  |  |
| 3 | Enter password |  |  |  |  |
|  | Wrong password |  |  |  |  |
|  | Correct password |  |  |  |  |
| 4 | Edit profile |  |  |  |  |
| 5 | Choose what to edit |  |  |  |  |
| 5.1 | (input) |  |  |  |  |
| 5.2 | (new detail) |  |  |  |  |
| 6 | Change password |  |  |  |  |
|  | Existing password |  |  |  |  |
|  | New password |  |  |  |  |

## view issue history : student

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Step** | **TEST STEP/**  **INPUT** | **Intended Result** | **Actual Result** | **Pass/Fail** | **Comments** |
| 1 | Login (Student) |  |  |  |  |
| 2 | View history |  |  |  |  |

# 

# Unresolved test instances

*[This will be filled by the dev team.]*

|  |  |  |
| --- | --- | --- |
| Test Case ID | Summary of Defect | Why not resolved |
|  |  |  |
|  |  |  |