**SOFTWARE QUALITY ENGINEERING (SE-3002)**

**SEMESTER PROJECT**

**TEST PLAN**

**Group Members:**

1. Muhammad Kazim (21k-3852)
2. Muneeb Hasan (21k-3848)

# **Purpose:**

Our project aims to bring about a revolution, in the cinema industry by providing administrators with tools for analyzing revenue, managing movies and showtimes, handling ticketing and overseeing customers. The staff will efficiently manage movies, ticket sales and customer registrations while customers will enjoy a user interface to handle their profile's view showtimes, rate movies and keep track of their ticket history. We strive to offer an intuitive desktop solution that caters, to the needs of administrators, staff members and customers alike. Our ultimate goal is to enhance everyone's experience within the entertainment sector.

# **Features to be Tested:**

The features to be tested include:

* Customer Sign Up
* Customer Log In
* Customer View Profile
* Customer See Active Movies
* Customer See Showtimes
* Customer Give Movie Rating & Review
* Customer See Ticket History
* Staff Log In
* Staff See Active Movies
* Staff See Showtimes
* Staff Sell Ticket
* Staff Cancel Ticket
* Admin Log In
* Admin See Revenue Analytics
* Admin See All Movies
* Admin See Showtimes
* Admin Add, Update, Delete Movie
* Admin See Sold Tickets
* Admin See Register Customer
* Admin See Rating & Review

# **Features not to be Tested:**

The features not to be tested include:

* Customer Forget Password
* Staff Sign Up
* Staff Register Customer
* Admin Add, Update, Delete Showtime

# **Approach:**

The main strategy that we will employ will be functional testing. We have opted for this approach so that we can fully test each and every functionality that was required for each of the 3 categories of users, that is, the customers, the staff and the admin.

# **Suspension Criteria and Resumption Requirements:**

The suspension criteria are that if all the error traps and validation checks are being triggered and displayed properly, then testing for the particular feature can be suspended.

Resumption requirements are that if there are any changes proposed by the client that may alter any of the features of our system in any way, that testing on that feature may be resumed.

# **Environmental Needs:**

The tester’s system must fulfil the following requirements:

* The system must have latest version of netbeans installed.
* The system must have a MySQL server installed, running and connected to the server of the application
* The tester must have basic knowledge of java and java swing.

# **Schedule:**

|  |  |  |
| --- | --- | --- |
| **TESTING SCHEDULE** | | |
| **S.No** | **Item** | **Estimated Date** |
| 1 | Draft Test Plan | 23-Nov-23 |
| 2 | Prepare Test Cases | 24-Nov-23 |
| 3 | Finalize Test Plan | 25-Nov-23 |
| 4 | Complete all Test Cases | 26-Nov-23 |
| 5 | Review Test Cases | 26-Nov-23 |
| 6 | Submit Plan and Test Suite | 27-Nov-23 |
| 7 | Test Plan and Suite Approval | 28-Nov-23 |
| 8 | Start Testing | 29-Nov-23 |
| 9 | End Testing | 01-Dec-23 |
| 10 | Prepare Testing Report | 02-Nov-23 |
| 11 | Submit Testing Report | 02-Dec-23 |

# **Acceptance Criteria:**

Acceptance criteria is as follows:

* 98% of the test cases have been tested.
* All encountered errors have been passed to the development team.
* All possible paths of the system have been executed at least once.
* Proper test report, indicating all the results of the tests, before and after any proposed changes (if any), has been generated.

# **Roles and Responsibilities:**

Division of responsibilities is as follows:

|  |  |  |
| --- | --- | --- |
| **ROLES OF EACH MEMBER** | | |
| **S. No** | **Item** | **Member** |
| 1 | Draft Test Plan | Muhammad Kazim |
| 2 | Prepare Test Cases | Muhammad Kazim |
| 3 | Finalize Test Plan | Muhammad Kazim |
| 4 | Complete all Test Cases | Muhammad Kazim |
| 5 | Review Test Cases | Muneeb Hasan |
| 6 | Submit Plan and Test Suite | Muhammad Kazim |
| 7 | Test Plan and Suite Approval | Muneeb Hasan |
| 8 | Start Testing | Muhammad Kazim, Muneeb Hasan |
| 9 | End Testing | Muhammad Kazim, Muneeb Hasan |
| 10 | Prepare Testing Report | Muneeb Hasan |
| 11 | Submit Testing Report | Muneeb Hasan |