**TEST PLAN**

**Introduction**

The test plan is designed to identify the items to be tested, the features to be tested, type of testing to be done and to define the test criteria for the movie ticket booking system.

**Test Strategy**

Scope of Testing

Features to be tested

|  |  |  |
| --- | --- | --- |
| **Module Name** | **Applicable Role** | **Description** |
| Register | User | A new user can register to system by providing details |
| Login | User  Admin | **User:** Existing users can login to the system  **Admin:** Admin can login to the system |
| Add Movie | Admin | The admin can add the list of movies |
| View Bookings | Admin | The admin can view the list of bookings |
| Movie List | User | User can see the list of movies |
| Book Ticket | User | User can book tickets for desired movie |
| View Ticket | User | User can view booked tickets |
| Search Movies | User | User can search for movies |

*Table: Features to be tested*

Features not to be tested

The features that are not to be tested are:

* User Interfaces
* Hardware interfaces

Test Type

Three types of testing are to be done for the movie booking system:

1. **Unit Testing**: In this testing each individual module of the system is tested to ensure that they are fit to use.
2. **Integration Testing:** Here the modules are integrated together and tested as a group.
3. **System Testing:** Conducted on a complete, integrated system to evaluate systems compliance with its specific requirements.

**Test Objective**

The test objectives are to verify the functionality of the movie ticket booking system, the focus should be on testing the functionalities such as Add Movie, Book Ticket, View Ticket..etc to guarantee that these operations can work normally.

**Test Criteria**

Suspension Criteria

If more than 40% of the test cases fail, the test is suspended until all the failed cases are fixed.

Exit Criteria

Specifies the criteria that denotes a successful completion of a test phase

* Run rate is mandatory to be 100% until a clear reason is specified
* Pass rate is 90%

**4.5 Test Environment**

All the tests are carried out in the Code Blocks IDE and Cunit.