**TEST PLAN**

A test plan is devised to identify and rectify the errors. The scope of the test plan should cover each module and validate their working. The following are the steps to be followed while designing the test plan

**Step 1** : Test cases are generated for each module. The test case should cover all the functions provided in the module.

**Step 2** : The individual modules are checked against the test cases to ensure proper working. If not, then proper corrections are made.

**Step 3** : The modules are integrated according to the interrelation between them and checked as a whole. Thus, groups of integrated modules are checked in this step.

**Step 4** : Finally, all the modules are integrated and the software as a whole is validated against the test cases in this phase of the test plan.

The following shows the modules and their respective features to be tested.

|  |  |  |
| --- | --- | --- |
| **SI NO** | **MODULE** | **FEATURES TO BE TESTED** |
| 1 | Log-in module | Log-in of user/admin after providing a valid password |
| 2 | Movie insertion module | Inserting a new movie to the list of movies after providing all the details regarding the movie |
| 3 | Movie view module | To view all the available movies and release date, price etc., |
| 4 | Movie ticket booking module | Booking tickets and viewing the booked tickets |
| 5 | Ticket record module | Viewing all the booked tickets |

**TEST CASES**

|  |  |  |  |
| --- | --- | --- | --- |
| **SI.NO** | **Test Module** | **Test Case** | **Expected Outcome** |
| 1 | Log-in module  (For user) | User name : user01  Password : userpw | Log-in successful |
| 2 | Log-in module  (For admin) | Admin name : sriram  Password : admin | Log-in successful |
| 3 | Log-in module  (For user) | User name : user01  Password : wrong | Log-in failed |
| 4 | Log-in module  (For admin) | Admin name : sriram  Password : wrong | Log-in failed |
| 5 | Movie insertion module | Movie name : Superman  Release date : 26-Nov-2020  Cost : 350 | Movie appended to the list |
| 6 | Movie search module(searching available movie) | Movie Name : Superman | Details of the movie Spiderman |
| 7 | Movie search module(searching unavailable movie) | Movie Name : Spiderman | Movie not available |
| 8 | Movie view module | Selecting this module | List of available movies are displayed |
| 9 | Movie booking module(Booking available movie) | Movie name : Superman  Total No.of Tickets : 2  Select your seats : 3, 4 | Enjoy the movie  Movie : Superman  Total No.of Tickets : 2  Selected Seats : 3 4  Cost per ticket : 350  Total cost : 700  Record is inserted to the transaction file |
| 10 | Movie booking module(Booking unavailable movie) | Movie Name : Spiderman | Movie not available |
| 11 | Movie booking module(Booking unavailable seats) | Movie Name : Superman  Total No.of Tickets : 2  Select your seats : 3,4 | Seats not available |
| 12 | Movie booking module(Booking available seats) | Movie name : Superman  Total No.of Tickets : 2  Select your seats : 6,8 | Enjoy the movie  Movie : Superman  Total No.of Tickets : 2  Selected Seats : 6 8  Cost per ticket : 350  Total cost : 700  Record is inserted to the transaction file |
| 13 | Ticket record module | Selecting this option | List of booked tickets are displayed |