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| **TEST CASE ID** | **FUNCTIONAL REQUIREMENT NUMBER** | **TEST CASE DESCRIPTION** | **TEST DATA** | **EXPECTED OUTPUT** | **ACTUAL OUTPUT** | **TEST RESULT** |
| **TC 1** | FR 1 | The system should allow users to browse movies available to watch and display the movie description.  **Test Steps: -**  **Step 1.** Launch the application.  (Movies can be browsed without Sign-In in the app)  **Step 2**. Click on the movie poster to view the description of the movie.  (movie description can be viewed without signing-in.). | **Valid data**  **+++++++++**  Click on the  “*Beauty and the Beast” movie* Poster. | Movie Posters with their respective name and rating at bottom.  Description like Release date, Rating, Genre, Runtime, Cast, Director, IMDB rating etc. of *Beauty and the Beast* movie is displayed. |  | **PASS**  **PASS** |

**Unit Testing:**

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| **TEST CASE ID** | **FUNCTIONAL REQUIREMENT NUMBER** | **TEST CASE DESCRIPTION** | **TEST DATA** | **EXPECTED OUTPUT** | **ACTUAL OUTPUT** | **TEST RESULT** |
| **TC 2** | FR 2 | The system should allow new users to register and existing users to login.  **Test Steps: -**  **Step 1.** Launch the application and click on the *sign in* button  **Step 2.**  For new user,  Fill the Registration Form,  For existing user,  Fill the form on the left.  **Step 3.**  Click on the  Sign-up/ Sign-In button. | **Valid Data**  **++++++++++**  Name: Subhendu Maji  Email: [subhendu@gmail.com](mailto:subhendu@gmail.com)  Phone no.: 1234567890  Password: subhendu@123  Confirm password: subhendu@123  **Invalid Data**  **++++++++++**  Name: subhendu2  Email: [subhendu@gmail.com](mailto:subhendu@gmail.com)  Phone no.: 1234123415  Password: smaji@123#  Confirm password: smaji@123#  **Invalid Data**  **++++++++++**  Name: subhendu3  Email: sm@gmail.com  Phone no.: 1212121212  Password: subhendu@maji  Confirm password: smaji@123# | “successfully registered” message is displayed.  “ERROR: This email already exists! Try to sign-in” message is displayed.  “Password and confirm password fields do not match” message is displayed. |  | **PASS**  **PASS**  **PASS** |

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| **TEST CASE ID** | **FUNCTIONAL REQUIREMENT NUMBER** | **TEST CASE DESCRIPTION** | **TEST DATA** | **EXPECTED OUTPUT** | **ACTUAL OUTPUT** | **TEST RESULT** |
| **TC 3** | FR 3 | The system should allow users to filter movies.  **Test Steps: -**  **Step 1**. Launch the application  **Step 2.** User can Filter Now Showing, Upcoming and Popular movies from the Navbar by clicking on their respective buttons. | **Valid Data**  **++++++++++**  Click on the *Now Showing* button on Navbar.  **Valid Data**  **++++++++++**  Click on the *Popular* button on Navbar.  **Valid Data**  **++++++++++**  Click on the *Upcoming* button on Navbar. | Now Showing Movies are displayed.  Popular Movies are displayed.  Upcoming Movies are displayed. |  | **PASS**  **PASS**  **PASS** |

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| **TEST CASE ID** | **FUNCTIONAL REQUIREMENT NUMBER** | **TEST CASE DESCRIPTION** | **TEST DATA** | **EXPECTED OUTPUT** | **ACTUAL OUTPUT** | **TEST RESULT** |
| **TC 4** | FR 4 | The system should allow user to view vacant and booked seats separately.  **Test Steps: -**  **Step 1.** Launch the application and click on the *sign in* button  **Step 2.** Fill the form and Click on sign-in.  **Step 3.** After Successful sign-in, click on any movie poster.  **Step 4.** Select Show date by clicking on it.  **Step 5.** Select Show time by clicking on it.  **Step 6.** Select seat from available seats.  Available seats and Reserved Seats are shown differently.  Available Seats are those having teal color border with seat no. written in red.    Reserved seats are those having grey border with seat no. written in grey color only. |  | Available Seats are shown using teal color border with seat no. written in red.  Reserved seats are shown using grey border and grey colored seat number. |  | **PASS** |

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| **TEST CASE ID** | **FUNCTIONAL REQUIREMENT NUMBER** | **TEST CASE DESCRIPTION** | **TEST DATA** | **EXPECTED OUTPUT** | **ACTUAL OUTPUT** | **TEST RESULT** |
| **TC 5** | FR 5 | The system should allow users to book multiple seats at a time.  **Test Steps: -**  **Step 1.** Launch the application and click on the *sign in* button  **Step 2.** Fill the form and Click on sign-in.  **Step 3.** After Successful sign-in, click on “**Thor**” movie poster.  **Step 4.** Click on *Book Tickets*  **Step 5.** Select date from available dates., click on ‘*May-31-2020’*  **Step 6.** Select Show time, click on ‘*11:30’*  **Step 6.** Select seat from available seats., click on ‘*01’, ‘10’, and ‘17’* |  | Seat 01, 10 and 17 are selected. |  | **PASS** |

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| **TEST CASE ID** | **FUNCTIONAL REQUIREMENT NUMBER** | **TEST CASE DESCRIPTION** | **TEST DATA** | **EXPECTED OUTPUT** | **ACTUAL OUTPUT** | **TEST RESULT** |
| **TC 6** | FR 6 | The software should support multiple payment options  **Test Steps: -**  **Step 1.** Launch the application and click on the *sign in* button  **Step 2.** Fill the form and Click on sign-in.  **Step 3.** After Successful sign-in, click on “**Thor**” movie poster.  **Step 4.** Click on *Book Tickets*  **Step 5.** Select date from available dates., click on ‘*May-31-2020’*  **Step 6.** Select Show time, click on ‘*11:30’*  **Step 6.** Select seat from available seats., click on ‘*14’*  **Step 7.** User have the option to pay through Debit/Credit card by filling out the card details or can go for other options like Paytm and PayPal. |  | Multiple Payment options are displayed. |  | **PASS** |

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| **TEST CASE ID** | **FUNCTIONAL REQUIREMENT NUMBER** | **TEST CASE DESCRIPTION** | **TEST DATA** | **EXPECTED OUTPUT** | **ACTUAL OUTPUT** | **TEST RESULT** |
| **TC 7** | FR 7 | The system should send booking details to the theater.  **Test Steps: -**  **Step 1.** Launch the application and click on the *sign in* button  **Step 2.** Fill the form and Click on sign-in.  **Step 3.** After Successful sign-in, click on “**Thor**” movie poster.  **Step 4.** Click on *Book Tickets*  **Step 5.** Select date from available dates., click on ‘*May-31-2020’*  **Step 6.** Select Show time, click on ‘*11:30’*  **Step 6.** Select seat from available seats., click on ‘*14’*  **Step 7.** Fill the pay form and Click pay.  (The booking details are saved at an online Database from which theater can view.) |  | Booking details will be updated at an online Database i.e. MongoDB Atlas. |  | **PASS** |

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| **TEST CASE ID** | **FUNCTIONAL REQUIREMENT NUMBER** | **TEST CASE DESCRIPTION** | **TEST DATA** | **EXPECTED OUTPUT** | **ACTUAL OUTPUT** | **TEST RESULT** |
| **TC 8** | FR 8 | The system should send a bill summary and E-ticket to the user.  **Test Steps: -**  **Step 1.** Launch the application and click on the *sign in* button  **Step 2.** Fill the form and Click on sign-in.  **Step 3.** After Successful sign-in, click on “**Beauty and the Beast**” movie poster.  **Step 4.** Click on *Book Tickets*  **Step 5.** Select date from available dates., click on ‘*May-12-2020’*  **Step 6.** Select Show time, click on ‘*11:30’*  **Step 6.** Select seat from available seats., click on ‘*15’*  **Step 7.** Fill the pay form and Click ***pay***. |  | *“Payment Successful”* message is displayed with a QR code containing all the details of the Movie booking.  If we scan the QR code, the message displayed is  *“****Welcome to Cinemasy***  ***Movie: Beauty and the Beast***  ***Date: May-12-2020***  ***Show Time: 11:30***  ***Seat No.: 15***  *”* |  | **PASS** |

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| **TEST CASE ID** | **FUNCTIONAL REQUIREMENT NUMBER** | **TEST CASE DESCRIPTION** | **TEST DATA** | **EXPECTED OUTPUT** | **ACTUAL OUTPUT** | **TEST RESULT** |
| **TC 9** | FR 9 | The system should display contacting customer care details.  **Test Steps: -**  **Step 1.** Launch the application.  **Step 2.**  Click on the  icon from any page.  **Step3.**  Click on   * *Customer Care address* to get redirected to Google maps with location already filled. * *Customer Care Email* to get redirected to Mail-app * *Customer Care Phone Number* to get redirected to the Phone App present in the device. |  | *Customer Care details* is displayed. |  | **PASS** |

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| **TEST CASE ID** | **FUNCTIONAL REQUIREMENT NUMBER** | **TEST CASE DESCRIPTION** | **TEST DATA** | **EXPECTED OUTPUT** | **ACTUAL OUTPUT** | **TEST RESULT** |
| **TC 10** | FR 10 | The system should allow the user to logout.  **Test Steps: -**  **Step 1.** Launch the application.  **Step 2.**  Click on the sign-in.  **Step3.** Fill the Login details to sign-in.  **Step4.** Once sign-in, user can log out by clicking on the **log out** button at top right corner of the screen. |  | “log-out” button appears after user is successfully signed-in. |  | **PASS** |

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| **Component** | **Max Marks** | **Marks Obtained** |
| **Viva** | **6** |  |
| **Results** | **7** |  |
| **Documentation** | **7** |  |
| **Total** | ****20**** |  |