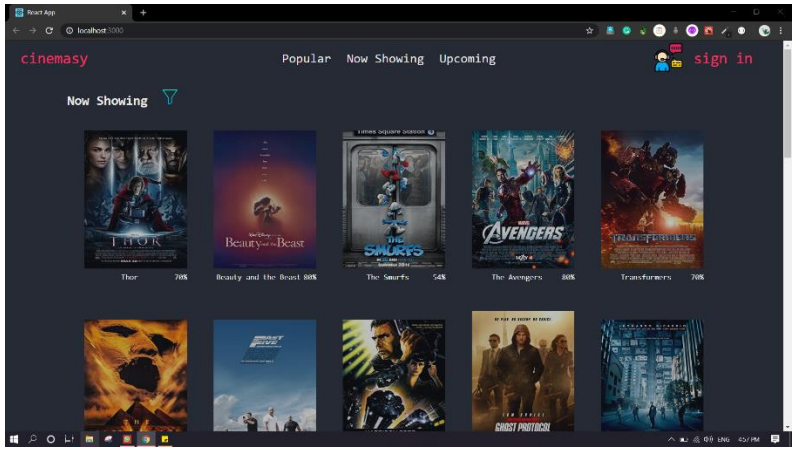
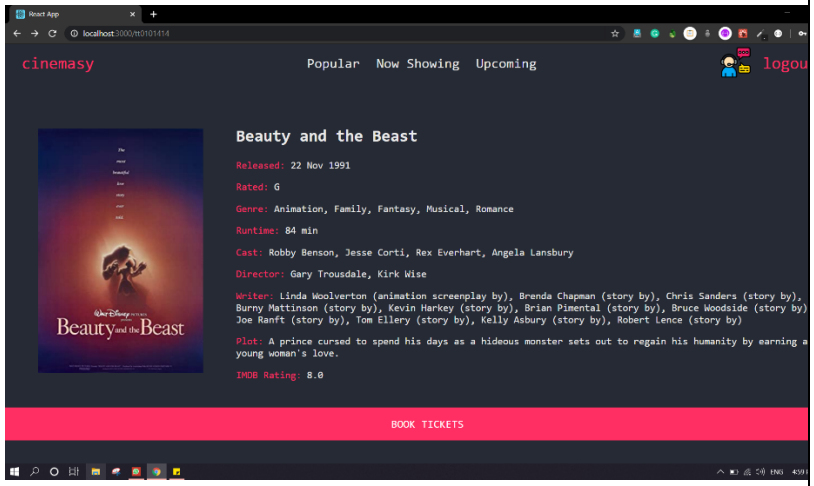
Name: Subhendu Maji

Registration Number: 18ETCS002121

# Unit Testing:

| 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.<br><br>**Test Steps: -**<br>**Step 1.** Launch the application.<br><br>(Movies can be browsed without Sign-In in the app)<br><br>**Step 2**. Click on the movie poster to view the description of the movie.<br><br>(movie description can be viewed without signing-in.). | **Valid data**<br>**+++++++++**<br><br>Click on the *"Beauty and the Beast" movie* Poster. | Movie Posters with their respective name and rating at bottom.<br><br>Description like Release date, Rating, Genre, Runtime, Cast, Director, IMDB rating etc. of *Beauty and the Beast* movie is displayed. |  <br>  | PASS<br><br>PASS |

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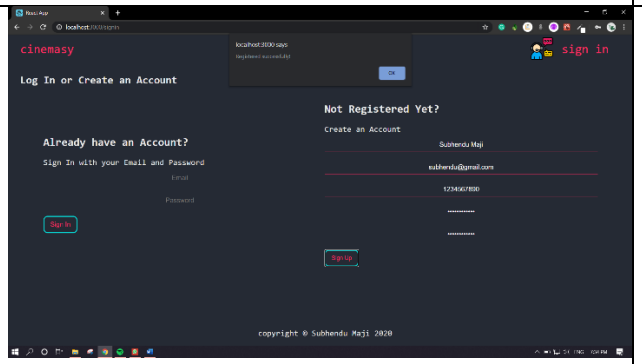
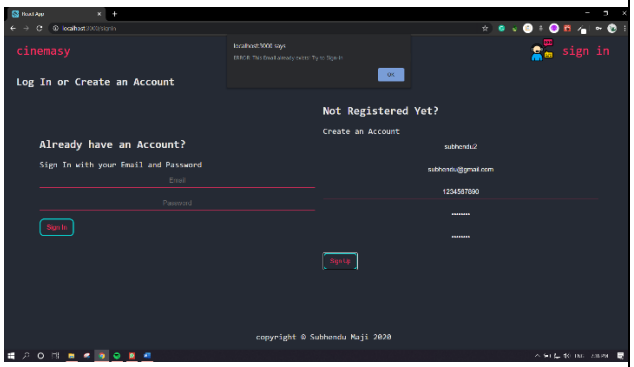
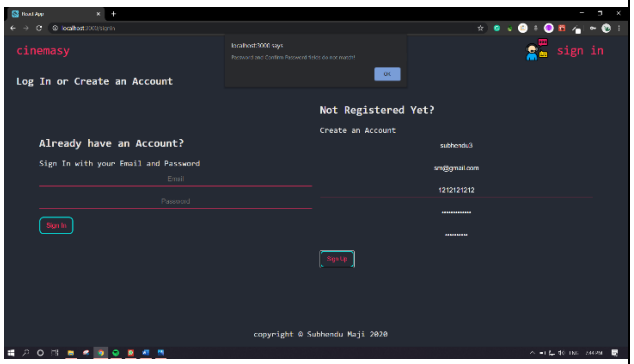
|---|---|---|---|---|---|---|
| **TC 2** | FR 2 | The system should allow new users to register and existing users to login.<br><br>**Test Steps: -**<br>**Step 1.** Launch the application and click on the *sign in* button<br><br>**Step 2.**<br>For new user,<br>Fill the Registration Form,<br>For existing user,<br>Fill the form on the left.<br><br>**Step 3.**<br>Click on the Sign-up/ Sign-In button. | **Valid Data**<br>++++++++++<br>Name: Subhendu Maji<br>Email: subhendu@gmail.com<br>Phone no.: 1234567890<br>Password: subhendu@123<br>Confirm password: subhendu@123<br><br>**Invalid Data**<br>++++++++++<br>Name: subhendu2<br>Email: subhendu@gmail.com<br>Phone no.: 1234123415<br>Password: smaji@123#<br>Confirm password: smaji@123#<br><br>**Invalid Data**<br>++++++++++<br>Name: subhendu3<br>Email: sm@gmail.com<br>Phone no.: 1212121212<br>Password: subhendu@maji<br>Confirm password: smaji@123# | "successfully registered" message is displayed.<br><br>"ERROR: This email already exists! Try to sign-in" message is displayed.<br><br>"Password and confirm password fields do not match" message is displayed. |  <br>  <br>  | PASS<br><br>PASS<br><br>PASS |

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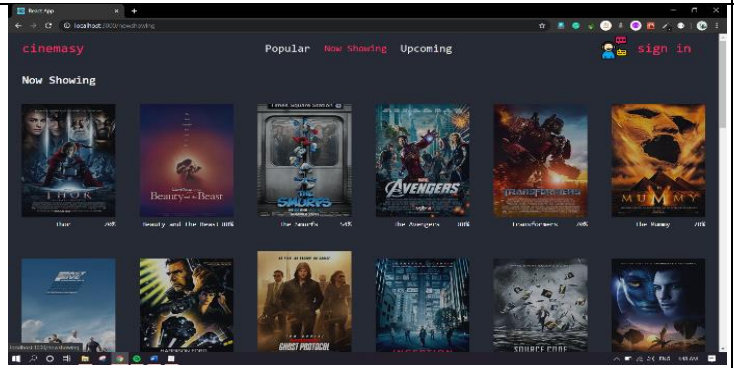
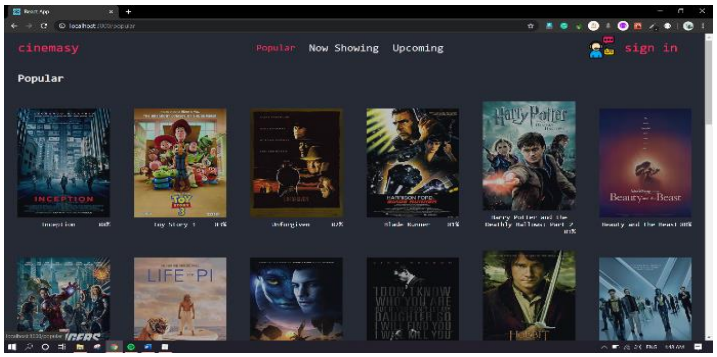
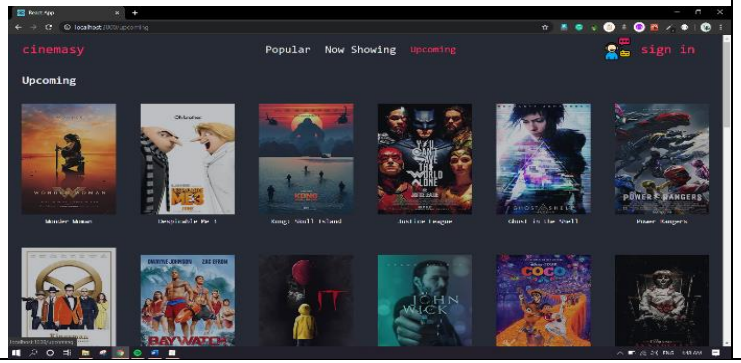
|---|---|---|---|---|---|---|
| **TC 3** | FR 3 | The system should allow users to filter movies.<br><br>**Test Steps: -**<br><br>**Step 1**. Launch the application<br><br>**Step 2.** User can Filter Now Showing, Upcoming and Popular movies from the Navbar by clicking on their respective buttons. | **Valid Data**<br>**++++++++++**<br>Click on the *Now Showing* button on Navbar. | Now Showing Movies are displayed. |  | PASS |
| | | | **Valid Data**<br>**++++++++++**<br>Click on the *Popular* button on Navbar. | Popular Movies are displayed. |  | PASS |
| | | | **Valid Data**<br>**++++++++++**<br>Click on the *Upcoming* button on Navbar. | Upcoming Movies are displayed. |  | PASS |

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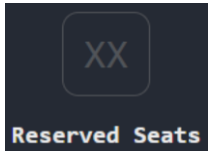
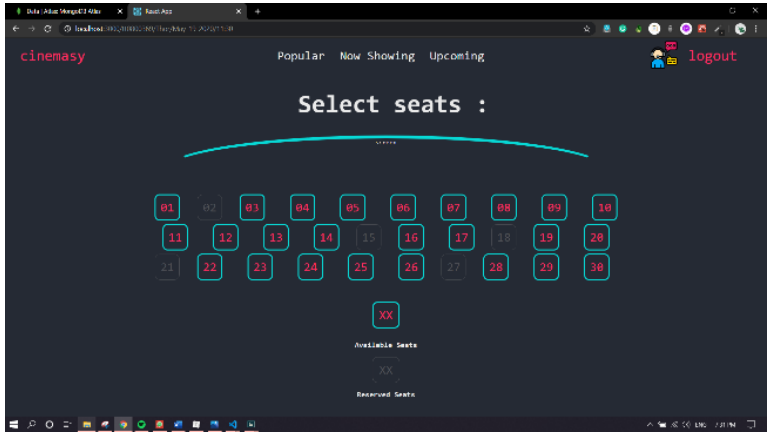
| **TC 4** | FR 4 | The system should allow user to view vacant and booked seats separately.<br><br>**Test Steps: -**<br>**Step 1.** Launch the application and click on the *sign in* button<br>**Step 2.** Fill the form and Click on sign-in.<br>**Step 3.** After Successful sign-in, click on any movie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

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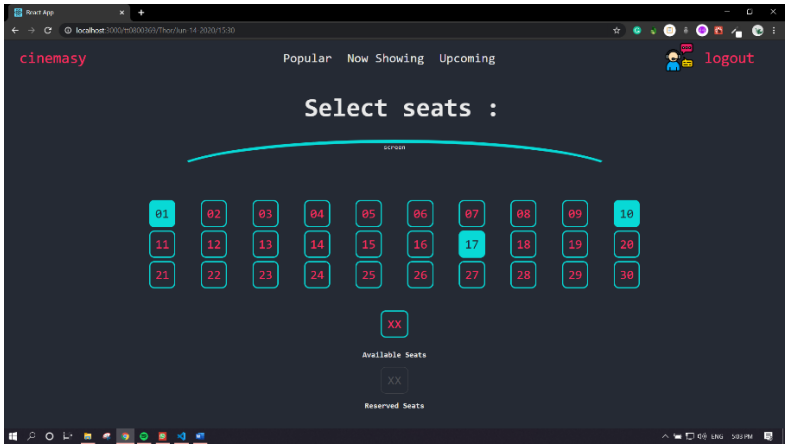
|---|---|---|---|---|---|---|
| **TC 5** | FR 5 | The system should allow users to book multiple seats at a time.<br><br>**Test Steps: -**<br>**Step 1.** Launch the application and click on the `sign in` button<br><br>**Step 2.** Fill the form and Click on sign-in.<br><br>**Step 3.** After Successful sign-in, click on "**Thor**" movie poster.<br><br>**Step 4.** Click on *Book Tickets*<br><br>**Step 5.** Select date from available dates., click on '*May-31-2020*'<br><br>**Step 6.** Select Show time, click on '*11:30*'<br><br>**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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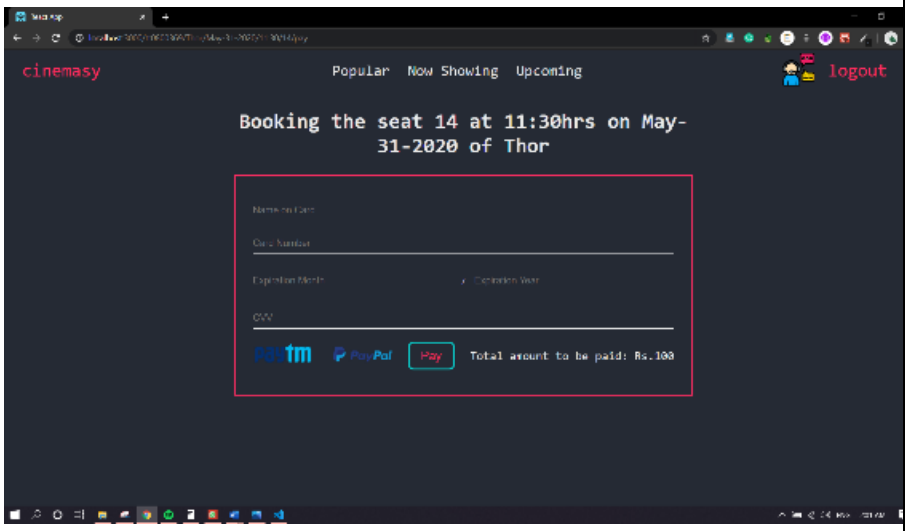
| TEST CASE ID | FUNCTIONAL REQUIREMENT NUMBER | TEST CASE DESCRIPTION | TEST DATA | EXPECTED OUTPUT | ACTUAL OUTPUT | TEST RESULT |
|---|---|---|---|---|---|---|
| **TC 6** | FR 6 | The software should support multiple payment options<br><br>**Test Steps: -**<br>**Step 1.** Launch the application and click on the *sign in* button<br>**Step 2.** Fill the form and Click on sign-in.<br>**Step 3.** After Successful sign-in, click on "**Thor**" movie poster.<br>**Step 4.** Click on *Book Tickets*<br><br>**Step 5.** Select date from available dates., click on '*May-31-2020*'<br><br>**Step 6.** Select Show time, click on '*11:30*'<br><br>**Step 6.** Select seat from available seats., click on '*14*'<br><br>**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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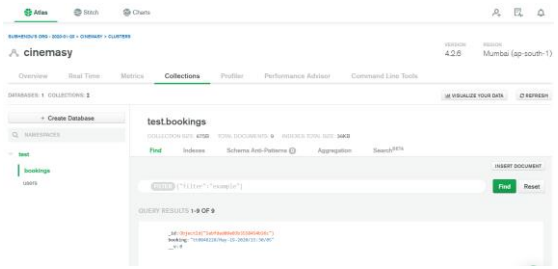
|---|---|---|---|---|---|---|
| **TC 7** | FR 7 | The system should send booking details to the theater.<br><br>**Test Steps: -**<br>**Step 1.** Launch the application and click on the `sign in` button<br><br>**Step 2.** Fill the form and Click on sign-in.<br><br>**Step 3.** After Successful sign-in, click on "**Thor**" movie poster.<br><br>**Step 4.** Click on *Book Tickets*<br><br>**Step 5.** Select date from available dates., click on '*May-31-2020'*<br><br>**Step 6.** Select Show time, click on '*11:30'*<br><br>**Step 6.** Select seat from available seats., click on '*14'*<br><br>**Step 7.** Fill the pay form and Click pay.<br>(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.<br>  | | **PASS** |

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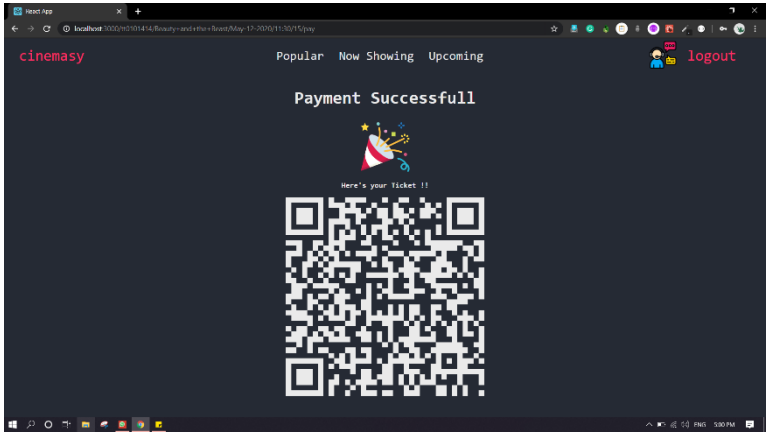
|---|---|---|---|---|---|---|
| **TC 8** | FR 8 | The system should send a bill summary and E-ticket to the user.<br><br>**Test Steps: -**<br>**Step 1.** Launch the application and click on the `sign in` button<br><br>**Step 2.** Fill the form and Click on sign-in.<br><br>**Step 3.** After Successful sign-in, click on "**Beauty and the Beast**" movie poster.<br><br>**Step 4.** Click on *Book Tickets*<br><br>**Step 5.** Select date from available dates., click on '*May-12-2020*'<br><br>**Step 6.** Select Show time, click on '*11:30*'<br><br>**Step 6.** Select seat from available seats., click on '*15*'<br><br>**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.<br><br>If we scan the QR code, the message displayed is ***"Welcome to Cinemasy Movie: Beauty and the Beast***<br>***Date: May-12-2020***<br>***Show Time: 11:30***<br>***Seat No.: 15***<br>*"* |  | **PASS** |

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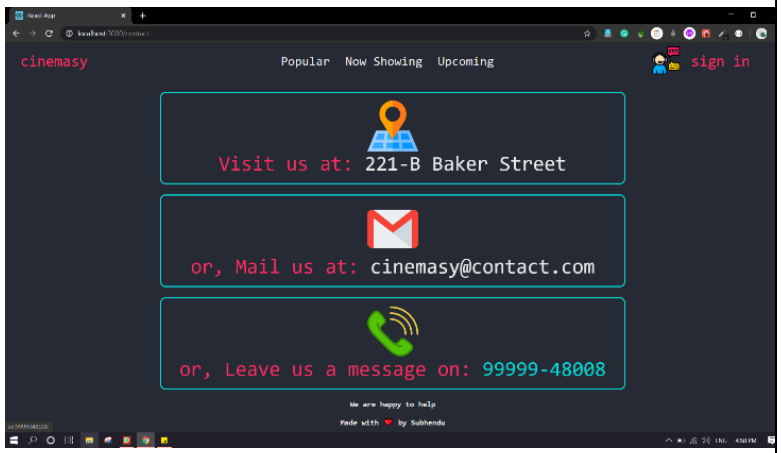
|---|---|---|---|---|---|---|
| **TC 9** | FR 9 | The system should display contacting customer care details.<br><br>**Test Steps: -**<br>**Step 1.** Launch the application.<br><br>**Step 2.**<br><br>Click on the icon from any page.<br><br>**Step3.**<br>Click on<br>• *Customer Care address* to get redirected to Google maps with location already filled.<br>• *Customer Care Email* to get redirected to Mail-app<br>• *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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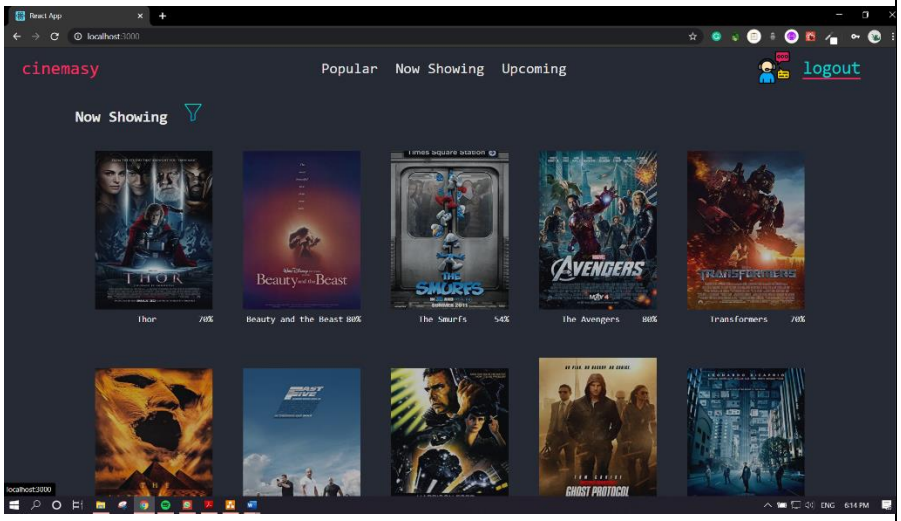
|---|---|---|---|---|---|---|
| **TC 10** | FR 10 | The system should allow the user to logout.<br><br>**Test Steps: -**<br>**Step 1.** Launch the application.<br><br>**Step 2.**<br>Click on the sign-in.<br><br>**Step3.** Fill the Login details to sign-in.<br><br>**Step4.** Once sign-in, user can log 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** |

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