4.4 Testing

4.4.1 Integrate Testing

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| --- | --- | --- |
| **Test suite plan** | **Test Case Id** | Test Case Description |
| Admin | T-01 | Log In |
| T-02 | Edit Faciiltator |
| T-03 | Edit Student |
| T-04 | Delete Faciiltator |
| T-05 | Delete Student |
| Faciiltator | T-06 | Register |
| T-07 | Log In |
| T-08 | Edit Faciiltator |
| T-09 | Edit Student |
| T-10 | Delete Faciiltator |
| T-11 | Delete Student |
| Student | T-12 | Register |
| T-13 | Log In |

4.4.2 Unit Testing

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| S.N | Test Case Id | Test Case Description | Input Test Data | Expected Result | Actual Result | Remarks |
| 1. | T-01 | Enter username and password | admin  admin | Display homepage | Successful | Pass |
| Enter username and password | admin1  admin | Display the login page again | Successful | Failed |
| Enter username and password | admin  admin1 | Displays the login page again | Successful | Failed |
| 2. | T-02 | Enter  Name, Date of Birth, Guardian’s Name, Email, Phone Number, Qualification  For edit | Hompal Prasad Rao  2021-11-05  Gopal Rao  [ghan@gmail.com](mailto:ghan@gmail.com)  9813832874  BSc.CSIT | Edit the data where details is viewed for given username | Successful | Pass |
| 3. | T-03 | Enter Name,  Date of Birth,  Father’s Name, Mother’s Name, Phone Number, Email, Class, Remarks | Manoj Shrestha  2001-09-04  Hari Kumar Shrestha  Pabitra Shrestha  9816683613  [student@gmail.com](mailto:student@gmail.com)  10  80 | Edit the data where details is viewed for given username | Successful | Pass |
| 4. | T-04 | Delete the Faciiltator | Press Delete | Delete the Faciiltator for given username | Successful | Pass |
| 5. | T-05 | Delete the Student | Press Delete | Delete the student for given username | Successful | Pass |
| 6. | T-06 | Enter Full Name, Date of Birth, Position,  Phone Number,  Username,  Email,  Password,  Confirm  Password | Remon Shrestha  9861110801  [shresthanewar678@gmail.com](mailto:shresthanewar678@gmail.com) | Shows the screen with message “Data is Empty” | Successful | Failed |
| Enter Full Name, Date of Birth, Position,  Phone Number,  Username,  Email,  Password,  Confirm  Password | Remon Shrestha  2007-05-08  Facilitator  9861110801  remon1  @gmail.com  remon1  remon1 | Shows the screen with message “Email is not valid” | Successful | Failed |
| Enter Full Name, Date of Birth, Position,  Phone Number,  Username,  Email,  Password,  Confirm  Password | Remon Shrestha  2007-05-08  Facilitator  9861110801  remon1  shresthanewar678@gmail.com  remon1  remon2 | Shows the screen with message “Both password are not same” | Successful | Failed |
| Enter Full Name, Date of Birth, Position,  Phone Number,  Username,  Email,  Password,  Confirm  Password | Remon Shrestha  2007-05-08  Facilitator  9861110801  remon1  shresthanewar678@gmail.com  remon1  remon1 | Redirect to the login page | Successful | Pass |
| 7. | T-07 | Enters the username and password | remon1  remon | Display the login page again | Successful | Failed |
| Enter the username and password | remon  remon1 | Display the login page again | Successful | Failed |
| Enters the username and password | remon1  remon1 | Display home page | Successful | Pass |
| 8. | T-08 | Enter  Name, Date of Birth, Guardian’s Name, Email, Phone Number, Qualification  For edit | Hompal Prasad Rao  2021-11-05  Gopal Rao  [ghan@gmail.com](mailto:ghan@gmail.com)  9813832874  BSc.CSIT | Edit the data where details is viewed for given username | Successful | Pass |
| 9. | T-09 | Enter Name,  Date of Birth,  Father’s Name, Mother’s Name, Phone Number, Email, Class, Remarks | Manoj Shrestha  2001-09-04  Hari Kumar Shrestha  Pabitra Shrestha  9816683613  [student@gmail.com](mailto:student@gmail.com)  10  80 | Edit the data where details is viewed for given username | Successful | Pass |
| 10. | T-10 | Delete the Faciiltator | Press Delete | Delete the Faciiltator for given username | Successful | Pass |
| 11. | T-11 | Delete the Student | Press Delete | Delete the student for given username | Successful | Pass |
| 12. | T-12 | Enter Full Name, Date of Birth, Position,  Phone Number,  Username,  Email,  Password,  Confirm  Password | Manipal Shrestha  9861110801  manojbicte@gmail.com | Shows the screen with message “Data is Empty” | Successful | Failed |
|  |  | Enter Full Name, Date of Birth, Position,  Phone Number,  Username,  Email,  Password,  Confirm  Password | Manipal Shrestha  2008-05-08  Student  9861110801  manipal  manipal.com  manipal1  manipal1 | Shows the screen with message “Email is not valid” | Successful | Failed |
|  |  | Enter Full Name, Date of Birth, Position,  Phone Number,  Username,  Email,  Password,  Confirm  Password | Manipal Shrestha  2008-05-08  Student  9861110801  manipal  manipal.com  manipal1  manipal2 | Shows the screen with message “Both password are not same” | Successful | Failed |
|  |  | Enter Full Name, Date of Birth, Position,  Phone Number,  Username,  Email,  Password,  Confirm  Password | Manipal Shrestha  2008-05-08  Student  9861110801  manipal  manipal@gmail.com  manipal1  manipal1 | Redirect to the login page | Successful | Pass |
|  |  | Enters the username and password | manipal  manipal | Display the login page again | Successful | Failed |
|  |  | Enter the username and password | manipal1  manipal1 | Display the login page again | Successful | Failed |
|  |  | Enters the username and password | manipal  manipal1 | Display home page | Successful | Pass |

4.4.3 System Testing

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| --- | --- | --- | --- | --- | --- | --- |
| S. N | Test case id | Test  Description | Input Test  Data | Expected result | Actual result | Remarks |
| 8 | T-  08 | System test | Registered  data | Data Stored Sucessfully and can login Sucessfully | Successful | Pass |