# Testing

## Unit Testing

**Project Name: Institute Management System (IMS)**

**Module Name**: Institute Management System Admin, Teacher and Student Login and DashBoard Page

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Test Scenario ID | Test Scenario Description | Test Case ID | Test Case Description | Preconditions | Post Conditions | Expected Result | Actual Result | Status | Comments |
| Ts\_ims\_001 | Verify Admin Login functionality of IMS login page | TC\_ims\_001 | Enter Valid Username & Valid password | Valid URL Test Data | User should able to see Admin DashBoard | Successful Login | Same | PASS |  |
| TC\_ims\_002 | Enter invalid Username & Valid password | Valid URL Test Data | Error message “ Username or Password is wrong please try again | Error message show on login page “ Username or Password is wrong please try again ” | Same | PASS |  |
| TC\_ims\_003 | Enter invalid Username & invalid password | Valid URL Test Data | Error message “ Username or Password is wrong please try again | Error message show on login page “ Username or Password is wrong please try again ” | Same | PASS |  |
| TC\_ims\_004 | Enter Valid Username & invalid password | Valid URL Test Data | Error message “ Username or Password is wrong please try again” | Error message show on login page “ Username or Password is wrong please try again ” | Same | PASS |  |
| Ts\_ims\_002 | Verify Teacher Login functionality of IMS login page | TC\_ims\_001 | Enter Valid Username & Valid password | Valid URL Test Data | User should able to see Teacher DashBoard | Successful Login | Same | PASS |  |
|  |  | TC\_ims\_002 | Enter invalid Username & Valid password | Valid URL Test Data | Error message “ Username or Password is wrong please try again | Error message show on login page “ Username or Password is wrong please try again ” | Same | PASS |  |
|  |  | TC\_ims\_003 | Enter invalid Username & invalid password | Valid URL Test Data | Error message “ Username or Password is wrong please try again | Error message show on login page “ Username or Password is wrong please try again ” | Same | PASS |  |
|  |  | TC\_ims\_004 | Enter Valid Username & invalid password | Valid URL Test Data | Error message “ Username or Password is wrong please try again | Error message show on login page “ Username or Password is wrong please try again ” | Same | PASS |  |
| Ts\_ims\_003 | Verify Student Login functionality of IMS login page | TC\_ims\_001 | Enter Valid Username & Valid password | Valid URL Test Data | User should able to see Student DashBoard | Successful Login | Same | PASS |  |
|  |  | TC\_ims\_002 | Enter invalid Username & Valid password | Valid URL Test Data | Error message “ Username or Password is wrong please try again | Error message show on login page “ Username or Password is wrong please try again ” | Same | PASS |  |
|  |  | TC\_ims\_003 | Enter invalid Username & invalid password | Valid URL Test Data | Error message “ Username or Password is wrong please try again | Error message show on login page “ Username or Password is wrong please try again ” | Same | PASS |  |
|  |  | TC\_ims\_004 | Enter Valid Username & invalid password | Valid URL Test Data | Error message “ Username or Password is wrong please try again | Error message show on login page “ Username or Password is wrong please try again ” | Same | PASS |  |

**Module Name**:- DashBoard Admin Page

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Test Scenario ID | Test Scenario Description | Test Case ID | Test Case Description | Preconditions | Post Conditions | Expected Result | Actual Result | Status | Comments |
| Ts\_ims\_004 | Test Input/output of Welcome Admin Page | TC\_ims\_001 | Create Teacher Account | Valid URL Test Data | Admin should able to reach to teacher account Page | Successful Reached | Same | PASS |  |
|  |  | TC\_ims\_002 | Create Student Account | Valid URL Test Data | Admin should able to reach to Student account Page ” | Successful Reached | Same | PASS |  |
|  |  | TC\_ims\_003 | Log out | Valid URL Test Data | Admin should able to log out at index.html Page | Logged Out index.html page | Same | PASS |  |
|  |  | TC\_ims\_004 | Admission & Registration | Valid URL Test Data | Admin should able to reach to Admission & Registration JSP Page | Successful Reached | Same | PASS |  |
|  |  | TC\_ims\_005 | Fees Management | Valid URL Test Data | Admin should able to reach Fees Management JSP  Page | Successful Reached | Same | PASS |  |
|  |  | TC\_ims\_006 | Staff Management | Valid URL Test Data | Admin should able to reach to Staff Management JSP  Page | Successful Reached | Same | PASS |  |
|  |  | TC\_ims\_007 | Attendance  Details | Valid URL Test Data | Admin should able to reach to Attendance  Details JSP  Page | Successful Reached | Same | PASS |  |
|  |  | TC\_ims\_008 | Course Management | Valid URL Test Data | Admin should able to reach to Course Management JSP  Page | Successful Reached | Same | PASS |  |
|  |  | TC\_ims\_009 | Batch Management | Valid URL Test Data | Admin should able to reach to Batch Management JSP  Page | Successful Reached | Same | PASS |  |

**Module Name**: DashBoard Teacher Page

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Test Scenario ID | Test Scenario Description | Test Case ID | Test Case Description | Preconditions | Post Conditions | Expected Result | Actual Result | Status | Comments |
| Ts\_ims\_005 | Test Input/output of DashBoard Teacher Page | TC\_ims\_001 | Attendance  Management | Valid URL Test Data | Teacher should able to reach to Attendance  Management JSP Page | Successful Reached | Same | PASS |  |
|  |  | TC\_ims\_002 | Fees Details | Valid URL Test Data | Teacher should able to reach Fees Details JSP Page | Successful Reached | Same | PASS |  |
|  |  | TC\_ims\_003 | Batch management | Valid URL Test Data | Teacher should able to reach to Batch management JSP Page | Successful Reached | Same | PASS |  |
|  |  | TC\_ims\_004 | Course Management | Valid URL Test Data | Teacher should able to reach to Course Management JSP Page | Successful Reached | Same | PASS |  |
|  |  | TC\_ims\_005 | Staff Management | Valid URL Test Data | Teacher should able to reach Staff Management JSP Page | Successful Reached | Same | PASS |  |
|  |  | TC\_ims\_006 | Student Management | Valid URL Test Data | Teacher should able to reach to Student Management JSP Page | Successful Reached | Same | PASS |  |
|  |  | TC\_ims\_007 | Log out | Valid URL Test Data | Teacher should able to  logout at index.html Page | Logged Out index.html page | Same | PASS |  |

**Module Name**: DashBoard Student Page

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Test Scenario ID | Test Scenario Description | Test Case ID | Test Case Description | Preconditions | Post Conditions | Expected Result | Actual Result | Status | Comments |
| Ts\_ims\_006 | Test Input/output of Welcome Teacher Page | TC\_ims\_001 | Fees Details | Valid URL Test Data | Student should able to reach Fees Details JSP  Page | Successful Reached | Same | PASS |  |
|  |  | TC\_ims\_002 | Show Batch Management | Valid URL Test Data | Student should able to reach to Batch Management JSP Page | Successful Reached | Same | PASS |  |
|  |  | TC\_ims\_003 | Show Course Management | Valid URL Test Data | Student should able to reach to Course Management JSP Page | Successful Reached | Same | PASS |  |
|  |  | TC\_ims\_004 | Attendance  Details | Valid URL Test Data | Student should able to reach to Attendance  Details JSP  Page | Successful Reached | Same | PASS |  |

**Module Name**: Registration and Admission JSP Page (Admin Account)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Test Scenario ID | Test Scenario Description | Test Case ID | Test Case Description | Preconditions | Post Conditions | Expected Result | Actual Result | Status | Comments |
| Ts\_ims\_007 | Fill the complete Registration Form of Student | TC\_ims\_001 | Student Name , Father Name, DOB, Admission Date, Mobile, Email, address, Course, Batch | Valid URL Test Data | All Details is saved into database and show confirmation page | Successfully inserted in database and show confirmation page as successfully submitted | Same | PASS |  |
|  |  | TC\_ims\_002 | Null | Valid URL Test Data | Not Admitted Null Value | Not Admitted Null Value | Same | PASS | When Set all Values as NULL |
| Ts\_ims\_008 | Fill the complete Registration Form of Teacher | TC\_ims\_001 | Teacher Name , Father Name, DOB, Joining Date, Mobile, Email, address, Course, Batch | Valid URL Test Data | All Details is saved into database and show confirmation page | Successfully inserted in database and show confirmation page as successfully submitted | Same | PASS |  |
|  |  | TC\_ims\_002 | Null | Valid URL Test Data | Not Admitted Null Value | Not Admitted Null Value | Same | PASS | When Set all Values as NULL |

**Module Name**: Staff Management JSP Page (Admin Account)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Test Scenario ID | Test Scenario Description | Test Case ID | Test Case Description | Preconditions | Post Conditions | Expected Result | Actual Result | Status | Comments |
| Ts\_ims\_009 | Fill the complete Staff Form | TC\_ims\_001 | Name , Father Name, Gender, Mobile No. , DOB, Date of Joining, address | Valid URL Test Data | All Details is saved into database and show confirmation page | Successfully inserted in to database and show confirmation page as successfully admitted | Same | PASS |  |
|  |  | TC\_ims\_002 | Name , Father Name, Gender, Mobile No. , DOB, Date of Joining, address | Valid URL Test Data | All Details is Updated into database and show confirmation page | Successfully Updated in to database and show confirmation page as successfully Updated | Same | PASS |  |
|  |  | TC\_ims\_003 | username, password, Id , DOB, user type, name | Valid URL Test Data | All Details is saved into database and show confirmation page | Successfully inserted in to database as login and show confirmation page as successfully admitted | Same | PASS |  |
|  |  | TC\_ims\_004 | Null | Valid URL Test Data | Not Admitted Null Value | Not Admitted Null Value | Same | PASS | When Set all Values as NULL |

**Module Name**: Attendance Details JSP Page (Admin Account)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Test Scenario ID | Test Scenario Description | Test Case ID | Test Case Description | Preconditions | Post Conditions | Expected Result | Actual Result | Status | Comments |
| Ts\_ims\_010 | Fill Start Date to End Date | TC\_ims\_001 | Start Date 20-03-2019  End Date 24-03-2019 | Valid URL Test Data | Show Attendance all Batch from 20-03-2019 to 24-03-2019 | Successful Showed | Same | PASS |  |
|  |  | TC\_ims\_002 | Null | Valid URL Test Data | Not Admitted Null Value | Not Admitted Null Value | Same | PASS | When Set all Values as NULL |

**Module Name**: Course Management JSP Page (Admin Account)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Test Scenario ID | Test Scenario Description | Test Case ID | Test Case Description | Preconditions | Post Conditions | Expected Result | Actual Result | Status | Comments |
| Ts\_ims\_011 | Fill the complete Registration Form  of Course | TC\_ims\_001 | Course Name, Duration, Fee | Valid URL Test Data | All Details is saved into database and show confirmation page | Successfully inserted in database and show confirmation page as successfully submitted | Same | PASS |  |
|  |  | TC\_ims\_002 | Null | Valid URL Test Data | Not Admitted Null Value | Not Admitted Null Value | Same | PASS | When Set all Values as NULL |

**Module Name**: Attendance Management Page (Teacher Account)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Test Scenario ID | Test Scenario Description | Test Case ID | Test Case Description | Preconditions | Post Conditions | Expected Result | Actual Result | Status | Comments |
| Ts\_ims\_012 | Fill Start Date to End Date | TC\_ims\_001 | Start Date 20-03-2019  End Date 24-03-2019 | Valid URL Test Data | Show Attendance all Batch from 20-03-2019 to 24-03-2019 | Successful Showed | Same | PASS |  |
|  |  | TC\_ims\_002 | Null | Valid URL Test Data | Show Attendance all Batch | Successful Showed | Same | PASS |  |
| Ts\_ims\_013 | Take Attendance of Batch | TC\_ims\_001 | All Students are Present | Valid URL Test Data | All Details is saved into database of Attendance and show confirmation page | confirmation page as Attendance Done and Student List | Same | PASS |  |
|  |  | TC\_ims\_002 | Null | Valid URL Test Data | All Details is saved into database of Attendance as Absent and show confirmation page | confirmation page as Attendance Done and Student List | Same | PASS | When Set all Values as NULL |

**Module Name**: Show Batch Management Page (Teacher Account)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Test Scenario ID | Test Scenario Description | Test Case ID | Test Case Description | Preconditions | Post Conditions | Expected Result | Actual Result | Status | Comments |
| Ts\_ims\_014 | Batch List | TC\_ims\_001 | Show All Running Batches | Valid URL Test Data | Show Arrangements all Student | Successful Showed | Same | PASS |  |
|  |  | TC\_ims\_002 | Null | Valid URL Test Data | Not Show Null Value | Not Show Null Value | Same | PASS | When Set all Values as NULL |

**Module Name**: Fee Details (Teacher Account)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Test Scenario ID | Test Scenario Description | Test Case ID | Test Case Description | Preconditions | Post Conditions | Expected Result | Actual Result | Status | Comments |
| Ts\_ims\_015 | Registration of Course | TC\_ims\_001 | Course BCC | Valid URL Test Data | Show Fee Details of Course BCC Only | Successful Showed | Same | PASS |  |
|  |  | TC\_ims\_002 | Null | Valid URL Test Data | Not Showed Null Value | Not Showed Null Value | Same | PASS | When Set all Values as NULL |
| Ts\_ims\_016 | Take Student Fee of Student Id 1001 | TC\_ims\_001 | Student Id 1001 Course BCC | Valid URL Test Data | Show Fee Details of Student Id 1001 Only and update the fee | Successful Showed and Updated | Same | PASS |  |

**Module Name**: Course Management JSP Page (Admin Account)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Test Scenario ID | Test Scenario Description | Test Case ID | Test Case Description | Preconditions | Post Conditions | Expected Result | Actual Result | Status | Comments |
| Ts\_ims\_017 | View Course Detail | TC\_ims\_001 | Course Name, Duration, Fee | Valid URL Test Data | Show All Course Detail | Successful Showed | Same | PASS |  |
|  |  | TC\_ims\_002 | Null | Valid URL Test Data | Not Admitted Null Value | Not Admitted Null Value | Same | PASS | When Set all Values as NULL |

**Module Name**: Fee Details (Student Account)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Test Scenario ID | Test Scenario Description | Test Case ID | Test Case Description | Preconditions | Post Conditions | Expected Result | Actual Result | Status | Comments |
| Ts\_ims\_018 | Registration in Batch of Course | TC\_ims\_001 | Student Id 1001 Batch 07:00:00 to 1 hour Course BCC | Valid URL Test Data | Show Fee Details of Student Id 1001 Only | Successful Showed | Same | PASS |  |
|  |  | TC\_ims\_002 | Null | Valid URL Test Data | Not Admitted Null Value | Not Admitted Null Value | Same | PASS | When Set all Values as NULL |

**Module Name**: Show Batch Management Page (Student Account)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Test Scenario ID | Test Scenario Description | Test Case ID | Test Case Description | Preconditions | Post Conditions | Expected Result | Actual Result | Status | Comments |
| Ts\_ims\_019 | Registration and Batch | TC\_ims\_001 | Student Id 1001 Course BCC | Valid URL Test Data | Show Arrangement s of Student Id 1001 Course BCC Only | Successful Showed | Same | PASS |  |
|  |  | TC\_ims\_002 | Null | Valid URL Test Data | Not Admitted Null Value | Not Admitted Null Value | Same | PASS | When Set all Values as NULL |

**Module Name**: Attendance Details JSP Page (Student Account)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Ts\_ims\_020 | Fill Start Date to End Date | TC\_ims\_001 | Start Date 20-03-2019  End Date 24-03-2019 | Valid URL Test Data | Show Attendance of Student Id 1001 Course BCC from 20-03-2019 to 24-03-2019 | Successful Showed | Same | PASS |  |
|  |  | TC\_ims\_002 | Null | Valid URL Test Data | Show Attendance all Batch | Successful Showed | Same | PASS |  |