UCS1617 Mini Project

Test Cases for Hostel Managment System

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**Test Cases**

# Aim

To develop test cases for the Hostel Managment System and try to improve the design based on the results of testing.

# Identification of Testing Scenarios

-> Check if the user can be authenticated

-> Check if a new course can be registered successfully

-> Check if a new warden can be registered successfully

-> Check if a new student can be registered successfully

-> Check if a new mess can be registered successfully

-> Check if a warden can be assigned to a student successfully

-> Check if a mess can be assigned to a student successfully

-> Check the validity of Leave request form

-> Check the validity of Mess Leave request

# Tabulation of Test Cases

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **TEST CASE ID** | **TEST SCENARIO** | **TESTING STEPS** | **TEST DATA** | **EXPECTED OUTCOME** | **ACTU AL OUTCO**  **ME** | **PASS OR FAIL** |
| **T01** | User authentication | Enter login credentials like user id and password, submit the credentials | email: admin@ssn password: 1234 | Invalid (incorrect password) | Valid | Fail |
| **T02** | User authentication | Enter login credentials like user id and password, submit the credentials | email:admin@ssn password:admin | Valid | Valid | Pass |
| **T03** | User authentication | Enter login credentials like user id and password, submit the credentials | email:xyz password:admin | Invalid(invalid email) | Valid | Fail |
| **T04** | New course registration | Click add button, enter campus id,course submit the form | Campus:ssn Course:BE CSE | Invalid (existing course) | Valid | Fail |
| **T05** | New course registration | Click add button, enter user id, set password, submit the form | Campus:ssn Course:BE ECE | Valid | Valid | Pass |
| **T06** | New warden registration | Click add button, enter email,name,contact,password,dob,doj | Email:admin@ssn Name:admin Contact:1234567890 Password:admin DOB:12-7-2002  DOJ: 12-7-2015 | Invalid (existing admin) | Valid | Fail |
| **T07** | New warden registration | Click add button, enter email,name,contact,password,dob,doj | Email:admin1@ssn Name:admin1 Contact:1234567890 Password:admin1 DOB:12-7-2002  DOJ: 12-7-2015 | Valid | Valid | Pass |
| **T08** | New Student registration | Click add button,email,name,contact,password,dob  ,gender,campus,course,batch,room | [Email:hawk@gmail.c](mailto:hawk@gmail.c) om  Name:hem Contact:1234567890 Password:1234 DOB:12-07-2002  Gender:Male  Campus:SSN | Invalid (existing student) | Valid | Fail |

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| --- | --- | --- | --- | --- | --- | --- |
|  |  |  | Course: BE CSE  Batch : 1 Room:12 |  |  |  |
| **T09** | New Student registration | Click add button,email,name,contact,password,dob  ,gender,campus,course,batch,room | [Email:hello@gmail.c](mailto:hello@gmail.c) om  Name:hello Contact:1234567890 Password:1234 DOB:1-03-2002  Gender:Male Campus:SSN Course: BE CSE Batch : 1  Room:12 | Valid | Valid | Pass |
| **T10** | New Mess registration | Click add button,email,name,contact,password,co mpany name,company location | Email:mess1@gmail. com  Name:mess1 Contact:1234567890 Password:mess1  Company name:mess1  Company Location:Chennai | Invalid (existing mess) | Valid | Fail |
| **T11** | New Mess registration | Click add button,email,name,contact,password,co mpany name,company location | Email:mess2@gmail. com  Name:mess2 Contact:1234567890 Password:mess2  Company name:mess2  Company Location:Chennai | Valid | Valid | Pass |
| **T12** | Assigning warden | Click add button,warden,campus,batch | Warden:warden  Campus:ssn Batch:1 | Valid | Valid | Pass |
| **T13** | Assigning warden | Click add button,warden,campus,batch | Warden:warden Campus:ssn Batch:1 | Invalid(relation already exist) | Valid | Fail |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **T14** | Assigning mess | Click add button,mess,campus,batch | Mess:mess  Campus:ssn Batch:1 | Valid | Valid | Pass |
| **T15** | Assigning mess | Click add button,mess,campus,batch | Mess:mess Campus:ssn Batch:1 | Invalid(relation already exist) | Valid | Fail |
| **T16** | Leave Form Validation | Enter Start date,end date, reason and submit the credentials | Start Date: 31/04/2022  End Date:31/07/2022  Reason: Vacation | Invalid( Current date is greater than start date) | Valid | Fail |
| **T17** | Leave Form Validation | Enter Start date,end date, reason and submit the credentials | Start Date:15/06/2022  End date:31/07/2022  Reason: Vacation | Valid | Valid | Pass |
| **T18** | Mess Leave Validation | Enter Start date,end date and submit the credentials | Start Date:15/05/2022  End date:31/07/2022 | Invalid(Current date is greater than start date) | Valid | Fail |
| **T19** | Mess Leave Validation | Enter Start date,end date and submit the credentials | Start date:15/06/2022  End date:31/07/2022 | Valid | Valid | Pass |

**Documentation**

Quality assurance testing looks for potential problems in a proposed design. A test plan offers a road map for testing activity; it should state test objectives and how to meet them. Developing test cases and a test plan will help handle two issues in software quality namely, validation (& user satisfaction) and verification (or quality assurance).