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	ACTUAL OUTCOME	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.com Name:hem Contact:1234567890 Password:1234 DOB:12-07-2002 Gender:Male Campus:SSN	Invalid (existing student)	Valid	Fail

			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.com 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,company 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,company 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).