

## Test Cases

### **ByteMeCollege**

Test Case Name:	Create an account
Purpose:	Test that the user is able to create an account through the website
Manual Operations:	<ul style="list-style-type: none"><li>• Fill out an account creation form consisting of inputs of a user name, user password, first name, last name, sjsu email, and declared major</li><li>• Click the submit button</li></ul>
Expected Results:	The account creation controller will successfully append the user's inputs into the database
Acceptance Criteria:	Checks the availability of all the input fields of the user and informs the user if the inputs are valid

Test Case Name:	Validate Log In
Purpose:	Test the user who is trying to log in is an exist data info in the database.
Manual Operations:	<ul style="list-style-type: none"> <li>• Enter the username and the password into corresponding input text field <ul style="list-style-type: none"> <li>◦ Username: sjsustudent</li> <li>◦ Password: student</li> </ul> </li> <li>• Press the Login button</li> </ul>
Expected Results:	If both username and password match a data instance inside the system, the user will be directed to the user panel.
Acceptance Criteria:	<ul style="list-style-type: none"> <li>• It shows a message that indicates the user login successfully</li> </ul>
Manual Operations:	<ul style="list-style-type: none"> <li>• Enter the username and the password into corresponding input text field <ul style="list-style-type: none"> <li>◦ Username: donotexist</li> <li>◦ Password: notapsw</li> </ul> </li> <li>• Press the Login button</li> </ul>
Expected Results:	Message ERROR: Username and password do not exist
Acceptance Criteria:	<ul style="list-style-type: none"> <li>• The error message appears.</li> <li>• The user is able to re-enter the username and password</li> </ul>
Manual Operations:	<ul style="list-style-type: none"> <li>• Enter the username and the password into corresponding input text field <ul style="list-style-type: none"> <li>◦ Username: 1=1</li> <li>◦ Password: 1=1</li> </ul> </li> <li>• Press the Login button</li> </ul>
Expected Results:	Be sure the system is able to prevent the “sql injection” Message ERROR: Username and password do not exist
Acceptance Criteria:	<ul style="list-style-type: none"> <li>• The error message appears.</li> <li>• The user is able to re-enter the username and password</li> </ul>

Test Case Name:	Add/Update a Department
Purpose:	Display as many departments as possible for users to use as search criterias for finding courses
Manual Operations:	Enter department name into department database <ul style="list-style-type: none"> <li>No special characters !@# allowed</li> </ul>
Expected Results:	The user's input will be added to the database
Acceptance Criteria:	A valid university department will be added to the database
Manual Operations:	Enter invalid department name
Expected Results:	ERROR MESSAGE: invalid department
Acceptance Criteria:	Error message appears User is able to re-enter department name

Test Case Name:	Add/Update a Major
Purpose:	Display as many majors as possible for users to use as search criterias for finding courses
Manual Operations:	Enter major name into the database <ul style="list-style-type: none"> <li>No special characters !@# allowed</li> </ul>
Expected Results:	The user's input will be added to the database
Acceptance Criteria:	A valid major will be added to the database
Manual Operations:	Enter invalid majors into the database
Expected Results:	ERROR MESSAGE: Invalid major
Acceptance Criteria:	Error message appears User is able to re-enter major name

Test Case Name:	Add/Update a Course
Purpose:	Display all courses for a particular university
Manual Operations:	Enter name of course and corresponding course number <ul style="list-style-type: none"> <li>• Alphanumeric input accepted</li> </ul>
Expected Results:	The user's input will be added to the database
Acceptance Criteria:	Valid course will be added to the database
Manual Operations:	Enter invalid course name/number
Expected Results:	ERROR MESSAGE: Invalid course name/number entered
Acceptance Criteria:	Error message appears User is able to re-enter course name and number

Test Case Name:	Add Course Review
Purpose:	Display reviews for various courses to be viewed by students
Manual Operations:	<ul style="list-style-type: none"> <li>• Log in</li> <li>• Navigate to a course and click post review button</li> <li>• Enter course review with minimum 100 characters and maximum 350 words</li> <li>• Press Submit button</li> </ul>
Expected Results:	Course review will be added to site and its corresponding id will be added to database
Acceptance Criteria:	A system message shows and reload the page The review should be within the page.
Manual Operations:	<ul style="list-style-type: none"> <li>• Enter course review either: <ul style="list-style-type: none"> <li>○ with less than 100 characters</li> <li>○ and/or excesses 350 words</li> </ul> </li> <li>• Press Submit button</li> </ul>
Expected Results:	Message ERROR: Review should not be less than 100 characters and/or excess 350 words.
Acceptance Criteria:	Error Message shows.

Test Case Name:	Update Course Review
Purpose:	To modify an existing comment
Manual Operations:	<ul style="list-style-type: none"><li>• Access user profile</li><li>• Navigate to user's posts</li><li>• Click the "update" button next to the perspective post.</li></ul>
Expected Results:	The post is modified within the database
Acceptance Criteria:	A system message indicates the user has successfully updated the review

Test Case Name:	Reply Course Review
Purpose:	Allow the user to reply to another user's post
Manual Operations:	<ul style="list-style-type: none"><li>• Log in</li><li>• Navigate to courses</li><li>• Navigate to the specific post and click the reply button</li></ul>
Expected Results:	The user's reply will be appended to the original review
Acceptance Criteria:	A system message shows and reload the page The review should be within the page.



Test Case Name:	Rate a Review
Purpose:	To encourage a social dynamic to the website
Manual Operations:	<ul style="list-style-type: none"><li>• Log in</li><li>• Navigate to courses</li><li>• Navigate to specific post and click on the wanted rating button<ul style="list-style-type: none"><li>○ Can only click either the thumb up button or thumb down button once</li></ul></li></ul>
Expected Results:	The chosen rating will be appended to the database
Acceptance Criteria:	The listed number of the corresponding action will be added one

Test Case Name:	Calculate Course Rating
Purpose:	Display the average course rating
Manual Operations:	Click on the wanted rating button
Expected Results:	Each user can only click and post the rating button of a specific course once
Acceptance Criteria:	The webpage will be displaying an average rating of the course that is included the rating just posted