Features to be tested

1. **Login:** Testing the login feature when logging in to Canvas at https://sjsu.instructure.com/ utilizing a SJSU ID Number and Password
2. **Password Reset:** Testing the password reset feature, by pressing "Reset my Password" on the aforementioned link to the SJSU Canvas login page
3. **Submit assignment:** Testing the submit assignment feature where the user tries to submit the correct format, incorrect formats, past-due assignments, etc.
4. **Comment on a (un)graded assignment, project or exam:** After submitting an assignment, project or after taking an exam, the student, grader or teacher can comment on the submission. This test is to ensure after the user

Testing Environment

Test environments should consist of a browser in multiple environments. For example, mobile should be tested versus on a desktop. And different browsers should be considered, such as: chrome, firefox, edge, safari, opera, etc.

Login Feature Testing

Input Domain:

Student ID: Text inputs including letters, numbers, and symbols
Password: Text inputs including letters, numbers, and symbols
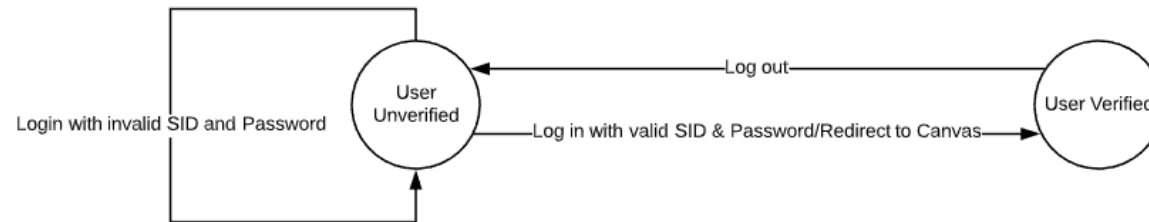
Equivalence Partitions/ Boundary Values:

NA

Test Cases:

Test Case #	Test Steps	Student ID (Input)	Password (Input)	Expected Output	Actual Output	Result (Pass/Fail)

1	1. Enter valid SID 2. Enter valid password 3. Click login button	264853197	validPass1?	Successful login	Successful login	Pass
2	1. Enter valid SID 2. Enter invalid password 3. Click login button	234865972	invalidPass1?	Unable to sign in	Unable to sign in	Pass
3	1. Enter invalid SID 2. Enter valid password 3. Click login button	5648213	validPass1?	Unable to sign in	Unable to sign in	Pass
4	1. Enter invalid SID 2. Enter invalid password 3. Click login button	3248516	invalidPass1?	Unable to sign in	Unable to sign in	Pass
5	1. Leave SID and password fields blank 2. Click login button			We found some errors. Please review the form and make corrections	We found some errors. Please review the form and make corrections	Pass

State Transition Diagram:

Log In UI:

Password Reset Feature Testing

Input Domain:

      Password: Text inputs including letters, numbers, and symbols

Equivalence Partitions/ Boundary Values:

      NA

Test Cases:

Test Case #	Test Steps	Description	Password (Input)	Expected Output	Actual Output	Result (Pass/Fail)
1	1. Enter password 2. Confirm Password 3. Click Continue	Valid password with 10-16 characters	Password54?	Password changed successfully	Password changed successfully	Pass
2	1. Enter password 2. Confirm Password 3. Click Continue	Vald password with 17-28 characters	testInputPassword2	Password changed successfully	Password changed successfully	Pass
3	1. Enter password 2. Confirm Password 3. Click Continue	Non-unique password	pastPass16?	Please enter valid password	Please enter valid password	Pass
4	1. Enter password 2. Confirm Password	Password with spaces	Pass word16?	Please enter valid password	Please enter valid password	Pass

	3. Click Continue					
5	1. Enter password 2. Confirm Password 3. Click Continue	Password with no lowercase letters	PASSWORD32!	Please enter valid password	Please enter valid password	Pass
6	1. Enter password 2. Confirm Password 3. Click Continue	Password with no capital letters	password32!	Please enter valid password	Please enter valid password	Pass
7	1. Enter password 2. Confirm Password 3. Click Continue	Password with no numbers	Password!	Please enter valid password	Please enter valid password	Pass

Decision Table:

Condition	Value	R1	R2	R3	R4	R5	R6	R7	R8	R9
Length between 10-28	Y/N/-	N	Y	Y	Y	Y	Y	Y	Y	Y
Length between 17-28	Y/N/-	-	Y	Y	N	N	N	N	N	N
Contains no	Y/N/-	-	-	-	N	Y	Y	Y	Y	Y

spaces										
Contains at least one lower case letter	Y/N/-	-	-	-	-	N	Y	Y	Y	Y
Contains at least one capital letter	Y/N/-	-	-	-	-	-	N	Y	Y	Y
Contains at least one number	Y/N/-	-	-	-	-	-	-	N	Y	Y
Unique from past passwords	Y/N/-	-	N	Y	-	-	-	-	N	Y
Effects										
Password is				1						1

approved										
Password is rejected		1	1		1	1	1	1	1	
Checksum	128	64	16	16	16	8	4	2	1	1

Password Reset UI:

SJSUOne Set / Reset Password

Attention: You must also change your SJSU_Premier WiFi password on all your portable devices, otherwise you will be locked out of your account. Thank you.

PASSWORD [_____]

CONFIRM PASSWORD [_____]

PASSWORD REQUIREMENTS:

Note: As of 3/11/2019, the minimum password length has increased to 10 characters.

Password needs to be between 10 and 28 characters long and can follow one of the complexity schemes:

If password is 10 - 16 characters long:

- It can not contain spaces.

- It needs to contain at least one lowercase letter.

- It needs to contain at least one uppercase letter.

- It needs to contain at least one number.

- It needs to be uniquely different than previous passwords (do not reuse passwords).

- It does not contain a word in SJSU's Password Dictionary.

If password is 17 - 28 characters long:

- No character restrictions.

- It needs to be uniquely different than previous passwords (do not reuse passwords).

[Continue]

Submit an assignment:

Input Domain:
      Course: must have a course assigned
      File: File to be submitted for the assignment (e.g. PDF, PNG, DOCX, etc.)
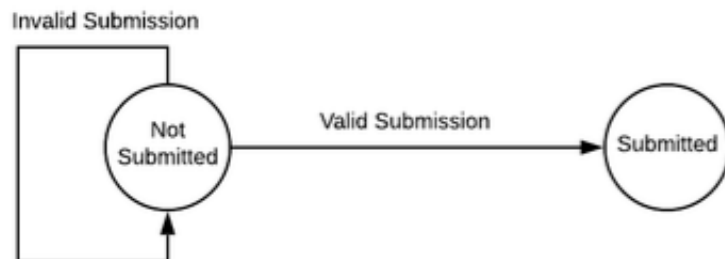
Equivalence Partitions / Boundary Values:
      N/A

Test Cases:

Test Case #	Test Steps	Description	Course (Input)	File (input)	Expected Output	Actual Output	Result (Pass/Fail)
1	Login Select course & assignment that's available to turn in Press the Submit button Select a file to turn in that matches the submission criteria Press "Submit Assignment"	Testing if a nominal case performs correctly. Only PDF accepted	CMPE-187	Test.pdf	Course submitted without error	Course submitted without error	Pass
2	Login Select course & assignment that's available to turn in	Testing if an assignment isn't accepted for an	CMPE-187	Test.png	Cannot select PNG as a filetype	PNG's are grayed out and cannot be selected	Pass

	Press the Submit button Select a file to turn in that does not match the submission criteria Press "Submit Assignment"	incorrect filetype. Only PDF accepted					
3	Login Select course & assignment that's available to turn in Press the Submit button Select a file to turn in that matches the submission criteria Press "Submit Assignment"	Testing if an assignment is not accepted late. Only PDF accepted. Late assignments lock submissions	CMPE-187	Test.pdf	The submit button should not be available to press	Could not submit assignment, no submit button available	Pass
4	Login Select course & assignment that's available to turn in Press the Submit button Select a file to turn in that does not match the submission criteria Press "Submit Assignment"	Testing if an assignment isn't accepted if late and incorrect filetype. Only PDF accepted	CMPE-187	Test.png	The submit button should not be available to press	Could not submit an incorrect filetype because the submit button was not available	Pass

5	Login Select course & assignment that's available to turn in Press the Submit button Select a file to turn in that matches the submission criteria Press "Submit Assignment"	Testing if no assignment attached is accepted. Only PDF accepted	CMPE-187	N/A	An error should be displayed saying a file upload is required	An error was shown saying a file must be submitted	Pass

State Transition Diagram:

UI:

Feature Testing

Submit Assignment

Due Saturday by 11:59pm **Points** 100 **Submitting** a file upload (Turnitin enabled) **File Types** pdf
Available Apr 27 at 12am - May 11 at 11:59pm 15 days

Upload a file, or choose a file you've already uploaded.

! Keep in mind, this submission will count for everyone in your SP20 group.

File: Choose File   No file chosen

      + Add Another File

      Click here to find a file you've already uploaded

Comments...

All comments are sent to the whole group.

☐ This assignment submission is my own, original work

Cancel   Submit Assignment

Comment on (un)graded assignment, project or exam:

Input Domain:
 Course, Assignment: Course, Assignment pair (e.g. CMPE-187, Feature Testing)
 Comment: Text, media or file
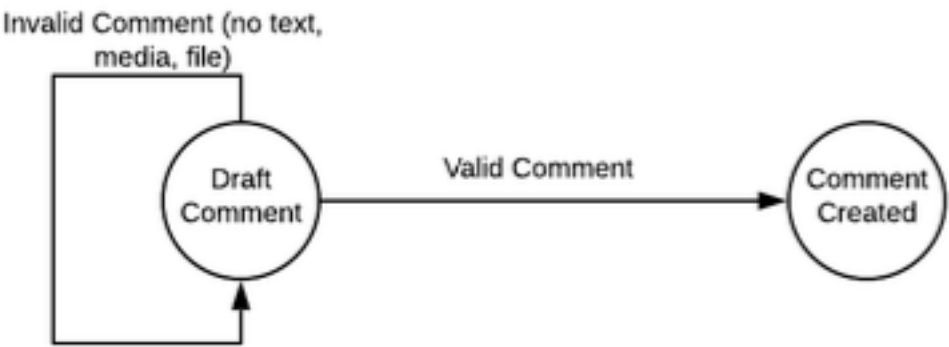
Equivalence Partitions / Boundary Values:
 N/A

Test Cases:

Test Case #	Test Steps	Description	Course, Assignment (Input)	Comment (input)	Expected Output	Actual Output	Result (Pass/Fail)
1	Login Select course and an assignment Put text into the comment input field Press Save	Press save with text comment	CMPE-187, Feature Testing	"Test"	Comment shown under comment input field	Comment was appended under the input field	Pass
2	Login Select course and an assignment Press the Media Comment, record the media Press Save	Media comment without any text	CMPE-187, Feature Testing	MP3 Recording	MP3 Recording shown under comment input field	MP3 Record is shown under the comment input field	Pass

3	Login Select course and an assignment Put text into the comment input field Press Attach file, and select a file to upload Press Save	Attach file with text	CMPE-187, Feature Testing	Test.pdf, "Test"	Comment and file shown under comment input field	Comment and file are shown under the comment input field	Pass
4	Login Select course and an assignment Press Attach file, and select a file to upload Press Save	Attach file without text	CMPE-187, Feature Testing	Test.pdf	File shown under comment input field	File is shown under the comment input field	Pass
5	Login Select course and an assignment Press Save	Press Save with no text, media or attached file	CMPE-187, Feature Testing	N/A	Nothing to happen	Nothing happened	Pass

State Transition Diagram:

Invalid Comment (no text,
media, file)

Draft
Comment

Valid Comment

Comment
Created

UI:

Feature Testing	May 2 by 11:59pm	-	100
Peer Grading	May 2 by 11:59pm	📄	100
Writing Test Cases II	May 9 by 11:59pm	-	100

Add a Comment:

🔊 Media Comment   Attach File

All comments are sent to the whole group.

Save