

FALL 2014 GROUP 1

DETAILED TESTING PLAN DOCUMENT

TWITTER PROJECT

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Document Description:

This document contains the list of functionalities that will be tested according to the plan.

First Iteration:

Test Case Name: Locate and load the website

Test Case Description: This test case loads the login page.

Step No	Test Case ID	Requirement ID	Test Steps	Test Data	Expected Result	Actual Result	Pass/Fail
1	01	01	Click the link http://cs.iupui.edu/~burton/CSCI50600-Twitter/ Changed		Load the login page	Loads the login page	Passed

Test Case Name: User should be able to enter username into username field.

Test Case Description: This test case for entering the data in the username on the login page.

Step No	Test Case ID	Requirement ID	Test Steps	Test Data	Expected Result	Actual Result	Pass/Fail
1	02	03	Click the link http://cs.iupui.edu/~burton/CSCI50600-Twitter/ Changed				
2			Enter the user name	Ichavvak	User can enter the data in to this field	User was able to enter the data in to this field	Passed

Test Case Name: Enter Student ID

Test Case Description: This test case for entering the Student ID on the login page.

Step No	Test Case ID	Requirement ID	Test Steps	Test Data	Expected Result	Actual Result	Pass/Fail
1	03	04	Click the link http://cs.iupui.edu/~burton/CSCI50600-Twitter/ Changed				

2			Enter the password(Student ID)	00011112 132	User can enter the data in to this field	User can enter the data in to this field	Passed
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Test Case Name: Validate Login button

Test Case Description: This test case validates the login button on the login page.

Step No	Test Case ID	Requirement ID	Test Steps	Test Data	Expected Result	Actual Result	Pass/Fail
1	04	05	Click the link http://cs.iupui.edu/~burtonp/CSCI50600-Twitter Changed				
2			Click login button on the login page		User can click on the Login button	User can click on the Login button	Passed

Test Case Name: Validate Login Successful Test Case

Test Case Description: This test case validates the login on the login page

Step No	Test Case ID	Requirement ID	Test Steps	Test Data	Expected Result	Actual Result	Pass/Fail
1	05	05	Click the link http://cs.iupui.edu/~burtonp/CSCI50600-Twitter Changed				
2			Enter the user name	Ichavvak	User can enter the data in to this field	User can enter the data in to this field	Passed
3			Enter the password	00033164 92	User can	User can enter the	Passed

					enter the data in to this field	data in to this field	
4			Click login		Oncourse ID and student ID match, user successfully gets in to the chat window	Oncourse ID and student ID match, user successfully gets in to the chat window	Passed

Test Case Name: Enter text in chat window

Test Case Description: This test case validates whether the user can enter the text and get displayed in the chat window

Step No	Test Case ID	Requirement ID	Test Steps	Test Data	Expected Result	Actual Result	Pass/Fail
1	06	06	Click the link http://cs.iupui.edu/~burtonp/CSCI50600-TwitterChanged				
2			Enter the user name	Ichavvak	User can enter the data in to this field	User can enter the data in to this field	Passed
3			Enter the password	0003316492	User can enter the data in to this field	User can enter the data in to this field	Passed

4			Click login		Oncours e ID and student ID match, user successf ully gets in to the chat window	Oncours e ID and student ID match, user successf ully gets in to the chat window	Passed
5			User enters the text in the text area	hi	User can type the text in the text field	User can type the text “hi” in the text field	Passed

Test Case Name: The message should be displayed alongside other messages on the screen.

Test Case Description: This test case validates whether the message gets displayed alongside with other messages when the user can enter the text in the chat window.

Step No	Test Case ID	Require ment ID	Test Steps	Test Data	Expected Result	Actual Result	Pass/Fail
1	07	07	Click the link http://cs.iupui.edu/~burtonp/CSCI50600-Twitter Changed				
2			Enter the user name	lchavvak	User can enter the data in to this field	User can enter the data in to this field	Passed
3			Enter the password	00033164 92	User can enter the data in to this field	User can enter the data in to this field	Passed
4			Click login		Oncourse ID and student ID match, user	Oncourse ID and student ID match, user successfully gets in to the chat window	Passed

					successfully gets in to the chat window		
5			User enters the text in the text area and click enter	Hi This is Swathi.	The text displayed alongside other messages	The text displayed alongside other messages.	Passed

Test Case Name: User's log's out of the system

Test Case Description: This test case allows the user to log out of the system.

Step No	Test Case ID	Requirement ID	Test Steps	Test Data	Expected Result	Actual Result	Pass/Fail
1	08	08	Click the link http://cs.iupui.edu/~burtonp/CSCI50600-TwitterChanged		Load the login page	Loads the login page	Passed
2			Enter the user name	lchavvak	User can enter the data in to this field	User can enter the data in to this field	Passed
3			Enter the password	0003316492	User can enter the data in to this field	User can enter the data in to this field	Passed
4			Click on login		Oncourse ID and student ID match, user successfully gets in to the chat window	Oncourse ID and student ID match, user successfully gets in to the chat window	Passed

5			Click on log out		User successfully logged out of the system	User successfully logged out of system	Passed
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Test Case Name: Another user's tweet must be visible on the user's screen.

Test Case Description: This test case validates whether multiple users can tweet and visible to the other users.

Step No	Test Case ID	Requirement ID	Test Steps	Test Data	Expected Result	Actual Result	Pass/Fail
1	09	09	Click the link http://cs.iupui.edu/~burtonp/CSCI50600-Twitter Changed				
2			Enter the user name	lchavvak	User can enter the data in to this field	User can enter the data in to this field	Passed
3			Enter the password	0003316492	User can enter the data in to this field	User can enter the data in to this field	Passed
4			Click login		Oncourse ID and student ID match, user successfully gets in to the chat window	Oncourse ID and student ID match, user successfully gets in to the chat window	Passed
5			User enters the text in the text area and click enter	Hi This is Swathi.	The text displayed alongside other messages	The text displayed alongside other messages.	Passed

6			Click the link on another system http://cs.iupui.edu/~burtonp/CSCI50600-Twitter Changed				
7			Enter the user name	arvnair	User can enter the data in to this field	User can enter the data in to this field	Passed
8			Enter the password	0000	User can enter the data in to this field	User can enter the data in to this field	Passed
9			Click login		Oncourse ID and student ID match, user successfully gets in to the chat window	Oncourse ID and student ID match, user successfully gets in to the chat window	Passed
10			User enters the text in the text area and click enter	Hi This is Swathi Hello	The text is displayed on another user chat window.	The text is displayed on another user chat window.	Passed

- **Test Case Name:** User's name should be displayed alongside his tweet.
- **Test Case Description:** This test case validates whether the user can enter the text and get displayed along with user name.

Step No	Test Case ID	Requirement ID	Test Steps	Test Data	Expected Result	Actual Result	Pass/Fail
1	10	10	Click the link http://cs.iupui.edu/~burtonp/CSCI50600-Twitter				

			<u>Changed</u>				
2			Enter the user name	Ichavvak	User can enter the data in to this field	User can enter the data in to this field	Passed
3			Enter the password	0003316492	User can enter the data in to this field	User can enter the data in to this field	Passed
4			Click login		Oncourse ID and student ID match, user successfully gets in to the chat window	Oncourse ID and student ID match, user successfully gets in to the chat window	Passed
5			User enters the text in the text area and click enter	hi	text gets displayed next to the username who logged in	'hi' text gets displayed next to the username 'Ichavvak'	Passed

Test Case Name: Data is not visible to unauthorized people.

Test Case Description: This test case through a message for the unauthorized user and will not let the user login.

Step No	Test Case ID	Requirement ID	Test Steps	Test Data	Expected Result	Actual Result	Pass/Fail
1	11	12	Click the link http://cs.iupui.edu/~burt.onp/CSCI50600-Twitter <u>Changed</u>				

2			Enter the user name	abcc	User can enter the data in to this field	User can enter the data in to this field	Passed
3			Enter the password	1234	User can enter the data in to this field	User can enter the data in to this field	Passed
4			Click login		Oncourse ID and student ID doesn't match, return the error message	Oncourse ID and student ID doesn't match, return the error message	Passed

Test Case Name: The system must be able to validate the user's identity.

Test Case Description: This test case validates the user's identity

Step No	Test Case ID	Requirement ID	Test Steps	Test Data	Expected Result	Actual Result	Pass/Fail
1	12	13	Click the link http://cs.iupui.edu/~burtonp/CSCI50600-Twitter Changed				
2			Enter the user name	lchavvak	User can enter the data in to this field	User can enter the data in to this field	Passed
3			Enter the password	0003316492	User can enter the data in to this field	User can enter the data in to this field	Passed
4			Click login		Oncourse ID and student ID match, user successfully gets in to the chat window since it	Oncourse ID and student ID match, user successfully gets in to the chat window since it validates the users credentials	Passed

					validates the users credentials		
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Test Case Name: User must perform the appropriate functions its role has been assigned to.

Test Case Description: This test case validates to perform the appropriate functions (Login, Tweet, and Logout)

Step No	Test Case ID	Requirement ID	Test Steps	Test Data	Expected Result	Actual Result	Pass/Fail
1	13	14	Click the link http://cs.iupui.edu/~burtonp/CSCI50600-Twitter Changed				
2			Enter the user name	Ichavvak	User can enter the data in to this field	User can enter the data in to this field	Passed
3			Enter the password	0003316492	User can enter the data in to this field	User can enter the data in to this field	Passed
4			Click login		Oncourse ID and student ID match, user successfully gets in to the chat window	Oncourse ID and student ID match, user successfully gets in to the chat window	Passed
5			User enters the text in the text area	hi	User can type the text in the text field	User can type the text "hi" in the text field	Passed
6			Click on log out		User successfully logged out of the system	User successfully logged out of system	passed

Requirements For Iteration 2:

Test Case Name: CAS Logout functionality

Test Case Description: This test case allows the user to CAS log out of the system.

Step No	Test Case ID	Requirement ID	Test Steps	Test Data	Expected Result	Actual Result	Pass/Fail
1	14	17	Click the link http://cs.iupui.edu/~burtonp/CSCI50600-Twitter Changed				
2			Enter the user name	Ichavvak	User can enter the data in to this field	User can enter the data in to this field	Passed
3			Enter the password	0003316492	User can enter the data in to this field	User can enter the data in to this field	Passed
4			Click on login		Oncourse ID and student ID match, user successfully gets in to the chat window	Oncourse ID and student ID match, user successfully gets in to the chat window	Passed
5			Click on log out		User successfully logged out of the system	User successfully logged out of system	Passed
6			Click on CAS Logout		User will be successfully logout of the CAS system	User will be successfully logout of the CAS system	Passed

Test Case Name: using HTTPS protocol

Test Case Description: This test case allows the user to securely login through https link.

Step No	Test Case ID	Requirement ID	Test Steps	Test Data	Expected Result	Actual Result	Pass/Fail
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1	15	18	Click the link http://cs.iupui.edu/~burtonp/CSCI50600-Twitter Changed		Load the login page	Loads the login page	Passed
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Test Case Name: User can retry login certain number of times

Test Case Description: This test case allows the user to retry to login certain number of times.

Step No	Test Case ID	Requirement ID	Test Steps	Test Data	Expected Result	Actual Result	Pass/Fail
1	16	19	Click the link http://cs.iupui.edu/~burtonp/CSCI50600-Twitter Changed				
2			Enter the user name	abcd			
3			Enter the password	123445			
4			Click on login		User can't login because of incorrect user name and password	User can't login because of incorrect user name and password	Passed

Requirements For Iteration 3:

Test Case Name: Load previous chats

Test Case Description: This test case loads previous chat information.

Step No	Test Case ID	Requirement ID	Test Steps	Test Data	Expected Result	Actual Result	Pass/Fail
1	17	21	Click the link http://cs.iupui.edu/~burtonp/CSCI50600-Twitter Changed				
2			Enter the user name	lchavvak	User can enter the data in to	User can enter the data in to	Passed

					this field	this field	
3			Enter the password	0003316492	User can enter the data in to this field	User can enter the data in to this field	Passed
4			Click on login		Oncourse ID and student ID match, user successfully gets in to the chat window	Oncourse ID and student ID match, user successfully gets in to the chat window	Passed
5			User enters the text in the text area	hi	User can type the text in the text field	User can type the text "hi" in the text field	Passed
6			Click on Load more button		Loaded previous chats	Previous chats loaded on chat window	Passed

Test Case Name: Allow maximum length of characters to tweet

Test Case Description: This test case allows the user to enter 140 characters to be sent as a tweet

Step No	Test Case ID	Requirement ID	Test Steps	Test Data	Expected Result	Actual Result	Pass/Fail
1	18	22	Click the link http://cs.iupui.edu/~burtonp/CSCI50600-Twitter Changed				
2			Enter the user name	Ichavvak	User can enter the data in to this field	User can enter the data in to this field	Passed
3			Enter the password	0003316492	User can enter the data in to this field	User can enter the data in to this field	Passed

					window	lly gets in to the chat window	
5			User enters the text in the text area	hi	User can type the text in the text field	User can type the text "hi" in the text field	Passed
6			Click on send button		User can click and send the tweet by clicking send button	User can click and send the tweet by clicking send button	Passed

Test Case Name: Send button highlights by clicking.

Test Case Description: This test case allows the user to click send button is highlighted.

Step No	Test Case ID	Requirement ID	Test Steps	Test Data	Expected Result	Actual Result	Pass/Fail
1	20	24	Click the link http://cs.iupui.edu/~burtonp/CSCI50600-Twitter Changed				
2			Enter the user name	lchavvak	User can enter the data in to this field	User can enter the data in to this field	Passed
3			Enter the password	0003316492	User can enter the data in to this field	User can enter the data in to this field	Passed
4			Click on login		Oncourse ID and student ID match, user successfull y gets in to the chat window	Oncourse ID and student ID match, user successfull y gets in to the chat window	Passed
5			User enters the text in the text	hi	User can type the	User can type the	Passed

			area		text in the text field	text "hi" in the text field	
6			Click on send button		Send button is highlighted by clicking	Send button is highlighted by clicking	Passed

Requirements For Iteration 4:

Test Case Name: Test software from AWS

Test Case Description: This test case allows the user perform all functionalities from AWS.

Step No	Test Case ID	Requirement ID	Test Steps	Test Data	Expected Result	Actual Result	Pass/Fail
1	21	25	Click the link http://54.148.215.10/iteration4				
2			Enter the user name	Ichavvak	User can enter the data in to this field	User can enter the data in to this field	Passed
3			Enter the password	0003316492	User can enter the data in to this field	User can enter the data in to this field	Passed
4			Click login		Oncourse ID and student ID match, user successfully gets in to the chat window	Oncourse ID and student ID match, user successfully gets in to the chat window	Passed
5			User enters the text in	hi	User can type the text in the text field	User can type the text "hi" in the text	Passed

			the text area			field	
6			Click on log out		User successful logged out of the system	User successfully logged out of system	passed

Test Case Name: Website must be accessible to user on all devices.

Test Case Description: This test case allows the entire user to access the website on all devices.

Step No	Test Case ID	Requirement ID	Test Steps	Test Data	Expected Result	Actual Result	Pass/Fail
1	22	26	Click the link http://54.148.215.10/iteration4		Load the login page	Loads the login page	Pass
2			Enter the user name	lchavvak	User can enter the data in to this field	User can enter the data in to this field	Passed
3			Enter the password	0003316492	User can enter the data in to this field	User can enter the data in to this field	Passed
4			Click on login	iphone, android.	User can access the website from all the devices	User can access the website from all the devices	Passed

Test Case Name: Ability to change usernames

Test Case Description: This test case allows the user to enter their desired names.

Step No	Test Case ID	Requirement ID	Test Steps	Test Data	Expected Result	Actual Result	Pass/Fail
1	23	27	Click the link http://54.148.				

			215.10/iteration4				
2			Enter the desired name	Lakshmi	User can enter the data in to this field	User was able to enter the data in to the desired name	Passed
3			Enter the user name	Ichavvak	User can enter the data in to this field	User was able to enter the Ichavvak in to this field	Passed
4			Enter the password	0003316492	User can enter the data in to this field	User can enter the data in to this field	Passed
5			Click login		Oncourse ID and student ID match, user successfully gets in to the chat window	Oncourse ID and student ID match, user successfully gets in to the chat window	Passed
6			After user login and User enters the text in the text area and click enter	Hi	The text displayed with name Lakshmi.	The text displayed with name Lakshmi	Passed

Test Case Name: Recording of Timestamp of tweets for unique identification of usernames

Test Case Description: This test case validates recording of Timestamp of tweets for unique identification of usernames.

Step No	Test Case ID	Requirement ID	Test Steps	Test Data	Expected Result	Actual Result	Pass/Fail
1	25	28	Click the link				

			http://54.148.215.10/iteration4				
2			Enter the desired name	Lakshmi	User can enter the data in to this field	User was able to enter the data in to this field	Passed
3			Enter the user name	Ichavvak	User can enter the data in to this field	User was able to enter the Ichavvak in to this field	Passed
4			Enter the password	0003316492	User can enter the data in to this field	User can enter the data in to this field	Passed
5			Click login		User can login	User can login	Passed
6			User enters the text in the text area and click enter	Hi	The text displayed along with time.	The text displayed along with time.	Passed

Test Case Name: Ability to keep track of custom names.

Test Case Description: This test case shows keep track of custom names.

Step No	Test Case ID	Requirement ID	Test Steps	Test Data	Expected Result	Actual Result	Pass/Fail
1	25	30	Click the link http://54.148.215.10/iteration4				
2			Enter the desired name	Lakshmi	User can enter the data in to this field	User was able to enter the data in to this field	Passed
3			Enter the user name	Ichavvak	User can enter the	User was	Passed

					data in to this field	able to enter the data in to this field	
4			Enter the password	0003316492	User can enter the data in to this field	User can enter the data in to this field	Passed
5			Click login		User can login	User can login	Passed
6			User enters the text in the text area and click enter	Hi	The text displayed along with time.	The text displayed along with time.	Passed
7			Click on log out		User successful logged out of the system	User successfully logged out of system	passed
8			Enter the desired name	Swathi	User can enter the data in to this field	User was able to enter the data in to this field	Passed
9			Repeat steps 3 to 7				Passed
8			Enter the user name	Ichavvak	User can enter the data in to this field	User was able to enter the data in to this	Passed

						field	
9			User enters the text in the text area and click enter	Hello	The text displayed along with time.	The text displayed along with time.	Passed
10			Click on Load more button		Loaded previous chats with custom names	Previous chats loaded on chat window with custom names.	Passed

References:

1. *Software Engineering Modern Approaches Second Edition* Eric J. Braude and Michael E. Bernstein, Wiley Publications.
2. B. W. Boehm, J. R. Brown, M. Lipow, *Quantitative Evaluation of Software Quality*, TRW Systems and Energy Group, (1976).