FALL 2014 GROUP 1

DETAILED TESTING PLAN DOCUMENT

TWITTER PROJECT

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CSCI 50600

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	Expecte d Result	Actual Result	Pass/Fail
1	01	01	Click the link http://cs.iupui.edu/~burto np/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	Expecte d Result	Actual Result	Pass/Fail
1	02	03	Click the link http://cs.iupui.edu/~burto np/CSCI50600-Twitter/ Changed				
2			Enter the user name	lchavvak	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	Test	Requirement	Test Steps	Test Data	Expected	Actual	Pass/Fail
No	Case	ID			Result	Result	
	ID						
1	03	04	Click the link				
			http://cs.iupui.edu/~burto				
			np/CSCI50600-Twitter				
			Changed				

2		Enter the	00011112	User can	User can	Passed
		password(Student ID)	132	enter the	enter the	
				data in to	data in	
				this field	to this	
					field	

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	Expecte d Result	Actual Result	Pass/Fail
1	04	05	Click the link http://cs.iupui.edu/~burton p/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	Expect ed Result	Actual Result	Pass/Fail
1	05	05	Click the link http://cs.iupui.edu/~burton p/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	User can enter the	Passed

			enter the data in to this field	data in to this field	
4		Click login	Oncour se ID and student ID match, user success fully gets in to the chat windo w	Oncours e ID and student ID match, user successf ully 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	Expecte d Result	Actual Result	Pass/Fail
1	06	06	Click the link http://cs.iupui.e du/~burtonp/C SCI50600- Twitten 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		Oncours	Oncours	Passed
	_		e ID and	e ID and	
			student	student	
			ID	ID	
			match,	match,	
			user	user	
			successf	successf	
			ully gets	ully gets	
			in to the	in to the	
			chat	chat	
			window	window	
5	User enters the	hi	User can	User can	Passed
	text in the text		type the	type the	
	area		text in	text "hi"	
			the text	in the	
			field	text field	

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

				successfu lly 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	Require ment ID	Test Steps	Test Data	Expected Result	Actual Result	Pass/Fail
1	08	08	Click the link http://cs.iupui.e du/~burtonp/C SCI50600- Twitter Changed		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	00033164 92	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 successfu lly 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	U	Jser	User	Passed
	out	SI	uccessfu	successfully	
		1	logged	logged out of	
		0	out of the	system	
		S	ystem		

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	Require ment 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	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 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 successfu lly 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	Test Case	Require	Test Steps	Test Data	Expected	Actual Result	Pass/Fail
No	ID	ment ID			Result		
1	10	10	Click the link				
			http://cs.iupui.				
			edu/~burtonp/				
			CSCI50600-				
			<u>Twitter</u>				

	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 successfu lly 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 'lchavvak'	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.iup ui.edu/~burt onp/CSCI50 600-Twitter Changed				

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

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	Requiremen t ID	Test Steps	Test Data	Expected Result	Actual Result	Pass/Fail
1	12	13	Click the link http://cs.iupui.gedu/~burtonp/ CSCI50600- Twitter Changed				
2			Enter the user name	lchavv ak	User can enter the data in to this field	User can enter the data in to this field	Passed
3			Enter the password	00033 16492	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 successfull y 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	

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.iupu i.edu/~burton p/CSCI5060 0-Twitter Changed				
2			Enter the user name	lchavv ak	User can enter the data in to this field	User can enter the data in to this field	Passed
3			Enter the password	00033 16492	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 successfull y 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 successful 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	Test	Require	Test Steps	Test	Expected	Actual Result	Pass/Fail
No	Case ID	ment ID		Data	Result		
1	14	17	Click the link http://cs.iupui.edu/ cburtonp/CSCI506 00-Twitter Changed				
2			Enter the user name	lchavv ak	User can enter the data in to this field	User can enter the data in to this field	Passed
3			Enter the password	00033 16492	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 successfully gets in to the chat window	Passed
5			Click on log out		User successful logged out of the system	User successfully logged out of system	Passed
6			Click on CAS Logout		User will be successfull y 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	Test	Requi	Test Steps	Test Data	Expected	Actual	Pass/Fail
No	Case	reme			Result	Result	
	ID	nt ID					

1	15	18	Click the link	Load the login	Loads the	Passed
			http://cs.iupui.edu/~burton	page	login	
			p/CSCI50600-Twitter		page	
			Changed			

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	Require ment ID	Test Steps	Test Data	Expected Result	Actual Result	Pass/Fail
1	16	19	Click the link http://cs.iupui.edu/~burt onp/CSCI50600-Twitter Changed				
2			Enter the user name	abcdd			
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	Require ment 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	00033164	User can	User can	Passed
		92	enter the	enter the	
			data in to	data in to	
			this field	this field	
4	Click on login		Oncourse	Oncourse	Passed
			ID and	ID and	
			student ID	student ID	
			match,	match,	
			user	user	
			successful	successful	
			ly gets in	ly gets in	
			to the chat		
			window	window	
5	User enters the text	hi	User can	User can	Passed
	in the text area		type the	type the	
			text in the	text "hi"	
			text field	in the text	
				field	
6	Click on Load more		Loaded	Previous	Passed
	button		previous	chats	
			chats	loaded on	
				chat	
				window	

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	Require ment ID	Test Steps	Test Data	Expected Result	Actual Result	Pass/Fail
1	18	22	Click the link http://cs.iupui.edu/ ~burtonp/CSCI506 00-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	Oncourse	Passed
				ID and	ID and	
				student ID	student	
				match, user	ID	
				successfully	match,	
				gets in to	user	
				the chat	successfu	
				window	lly gets in	
					to the	
					chat	
					window	
5		User enters the	Hihihihihihi	User can	User can	Passed
		140 characters text	hihihihihi	type 140	type 140	
		in the text area	hihihihihi	characters in	character	
			hihihihihi	the text field	s in the	
			hihihihihi		text field	
			hihihihihi			
			hi			

Test Case Name: Send button for sending tweets

Test Case Description: This test case allows the user to click send button to send tweets

Step No	Test Case ID	Require ment ID	Test Steps	Test Data	Expected Result	Actual Result	Pass/Fail
1	19	23	Click the link http://cs.iupui.edu /~burtonp/CSCI5 0600-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 successfully gets in to the chat	Oncourse ID and student ID match, user successfu	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	Require ment ID	Test Steps	Test Data	Expected Result	Actual Result	Pass/Fail
1	20	24	Click the link http://cs.iupui.ed u/~burtonp/CSCI 50600-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	000331649	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 "hi" in	
			text field	the text	
				field	
6		Click on send	Send	Send	Passed
		button	button is	button is	
			highlighted	highlighted	
			by clicking	by clicking	

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	Require ment ID	Test Steps	Test Data	Expected Result	Actual Result	Pass/Fail
1	21	25	Click the link http:// 54.148. 215.10 /iterati on4				
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 passw ord	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 successful ly 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	e		field	
	tex	ĸt			
	are	ea			
6	Cl	ick	User successful	User	passed
	on	log	logged out of the	successful	
	ou	t	system	ly logged	
				out of	
				system	

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	Requireme nt ID	Test Steps	Test Data	Expected Result	Actual Result	Pass/Fail
1	22	26	Click the link http://54.148. 215.10/iterati on4		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	0003316 492	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	Requireme nt ID	Test Steps	Test Data	Expected Result	Actual Result	Pass/Fail
1	23	27	Click the link http://54.148.				

	215.10/iterati				
	on4				
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	lchavvak	User can enter the data in to this field	User was able to enter the lchavvak in to this field	Passed
4	Enter the password	0003316 492	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 successfu lly 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		Requirement ID	Test Steps	Test Data	Expected Result	Actual Result	Pass/Fail
1	25	28	Click the link				

2	http://54.14 8.215.10/ite ration4 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	lchavvak	User can enter the data in to this field	User was able to enter the lchavvak in to this field	Passed
4	Enter the password	0003316 492	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	lchavvak	User can enter the	User was	Passed

	T	T		T		
				data in to	able to	
				this field	enter	
					the data	
					in to	
					this	
					field	
4		Enter the	00033164	User can	User	Passed
		password	92	enter the	can	
		F		data in to	enter	
				this field	the data	
				11115 11010	in to	
					this	
					field	
5		Click login		User can	User	Passed
)		Click logili				rasseu
				login	can	
		TT 4 41	11:	The	login	D 1
6		User enters the	Hi	The text	The	Passed
		text in the text		displayed	text	
		area and click		along with	display	
		enter		time.	ed	
					along	
					with	
					time.	
7		Click on log out		User	User	passed
				successful	success	
				logged out	fully	
				of the	logged	
				system	out of	
					system	
8		Enter the desired	Swathi	User can	User	Passed
		name		enter the	was	
				data in to	able to	
				this field	enter	
					the data	
					in to	
					this	
					field	
9		Panast stone 2 to			neiu	Passed
9		Repeat steps 3 to 7				rasseu
8		Enter the user	lchavvak	User can	User	Passed
		name		enter the	was	
				data in to	able to	
				this field	enter	
					the data	
					in to	
					this	
L	<u> </u>	J	<u> </u>		шз	<u> </u>

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

References:

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- 2. B. W. Boehm, J. R. Brown, M. Lipow, *Quantitative Evaluation of Software Quality*, TRW Systems and Energy Group, (1976).