



Test Plan Design Report

Test Project: Contribo
Test Plan: Contribo System Test Plan
Test Suite: System Testing

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1.1. Test Suite : System Testing

You will find some information form <https://github.com/N4SJAMK/teamboard-meta/wiki>

1.1.1. Test Suite : Functional Testing

1.1.1.1. Test Suite : Board

Test Case CBTEST-229: Verify Testing magnet feature functionality with 2 simultaneous users.		
<u>Author:</u>	admin	
<u>Summary:</u>	<p>Test configuration:</p> <p>AMD Phenom(tm) X6 1055T 2.80GHz 8Gt RAM Windows 7 64-bit Firefox</p> <p><u>Preconditions:</u></p> <p>User: asdf@asdf.fi Pass: jorma666 Signed in to Contriboarding using above info. At least one board created.</p>	
<u>#.</u>	<u>Step actions:</u>	<u>Expected Results:</u>
1	Both users select the same board by clicking in the center of it.	Same board view is displayed to both users.
2		
3	One of the users creates a new ticket by pressing the Create ticket button and names it.	New ticket is created.
4	The same user presses the magnet icon on the top toolbar.	Magnet feature becomes active.
5	This user now moves the ticket to a random position on the board.	The ticket slides into the correct position assigned by the user.
6	The other user refreshes his/hers browser window.	Ticket is displayed on the same position for both users.
7	Repeat 10 times alternating between users.	See steps 2-5.
8	If tickets are displayed at the right position for both users every time: PASS , otherwise FAIL.	Result:PASS
<u>Execution type:</u>	Automated	
<u>Estimated exec. duration (min):</u>	5.00	
<u>Priority:</u>	Medium	
<u>Requirements</u>	None	
<u>Keywords:</u>	None	

Test Case CBTEST-216: Verify Naming boards ~200 characters long.		
<u>Author:</u>	admin	
<u>Summary:</u>	<p>Date: 18.02.2015</p> <p>Comments:</p> <p>End State: Long names cut properly and dont escape the board.</p>	
<u>Preconditions:</u>	Signed in to Contriboarding.	
<u>#.</u>	<u>Step actions:</u>	<u>Expected Results:</u>
1	Create new board by clicking the "+"-button on the middle	Board creating view is displayed.
2	Edit the board from "pencil"-button and type into the text field a board name ~200 characters long with spaces and press Done.	Board appears on the main view and its name is displayed properly.
3	Create new board again and this time dont use spaces.	Board appears on the main view and its name is displayed properly.
4	Repeat steps 1-3 by creating 5 without and 5 names with spaces.	See steps 1-3.
5	If overly long board names are cut properly every time and they dont escape the element: PASS , otherwise FAIL.	Long name escapes or error--> FAIL. Long names cut properly and dont escape the board. --> PASS.
<u>Execution type:</u>	Manual	
<u>Estimated exec. duration (min):</u>	5.00	
<u>Priority:</u>	Medium	
<u>Requirements</u>	None	
<u>Keywords:</u>	None	

Test Case CBTEST-53: Verify User can go back to workspace from board		
<u>Author:</u>	admin	
<u>Summary:</u>		

Date: 21.05.2015**Comments:**

Make sure user can go back to workspace from inside a board

Preconditions:

User is logged in to contribo board

#:	Step actions:	Expected Results:
1	Click a board	You are inside a board
2	Click the workspace-button	You should be back to workspace
3	Go back to board and press the Contribo board-button upper left corner	User can't go back to workspace --> FAIL. User is successfully back to workspace --> PASS.
Execution type:		Manual
Estimated exec. duration (min):		
Priority:		Medium
Requirements		None
Keywords:		None

Test Case CBTEST-52: Verify User can delete a board**Author:** admin**Summary:****Date: 21.05.2015****Comments:**

Make sure user can delete a board

Preconditions:

User is logged in to Contribo board

#:	Step actions:	Expected Results:
1	Press the "tick"-button	More option should be available at the top bar
2	Press the "trashbin"-button	Deletion-menu should show up
3	Press "delete"-button	Board should now be deleted from workspace
4	Log out and log back in	Board should be gone forever from the workspace The board wasn't deleted --> FAIL. The board was deleted forever --> PASS.
Execution type:		Manual
Estimated exec. duration (min):		
Priority:		Medium
Requirements		None
Keywords:		None

Test Case CBTEST-51: Verify User can close the board edit menu**Author:** admin**Summary:****Date: 21.05.2015****Comments:**

Make sure user can close the board edit menu by clicking the "cancel"-button or clicking outside of the menu

End State:

The board edit menu is closed without changing any data

Preconditions:

User is logged in to Contribo board.

#:	Step actions:	Expected Results:
1	Open the edit menu of a board	Edit menu should show up
2	Click the X-button to close the menu	Menu should be closed
3	Open the menu again and close it by clicking outside of the menu	Menu should be closed Menu didn't close by pressing the "close"-button --> FAIL. Menu didn't close by pressing outside of the menu --> FAIL. Menu closed and data was unchanged --> PASS.
Execution type:		Manual
Estimated exec. duration (min):		
Priority:		Medium
Requirements		None
Keywords:		None

Test Case CBTEST-136: Verify UTF-8 Support**Author:** admin**Summary:**

22.05.2015

Test Summary:

Create a ticket with UTF-8 characters in it (片仮名) and verify they show correctly

User is logged in and on the board page (testboard0) and there's a ticket with the name 片仮名

User is logged in and on the board page in ContriboBoard.

Test Case CBTEST-339: Verify Changing the name of a board		
<u>Author:</u>	admin	
<u>Summary:</u> Date: 21.02.2015		
<u>Comments:</u> The user changes the visible name of a board		
<u>Preconditions:</u>	<ul style="list-style-type: none"> • The user has logged in to Contriboard • There is at least one created board by the user account the user uses • The user is in the board list view 	
<u>#:</u>	<u>Step actions:</u>	<u>Expected Results:</u>
1	The user clicks the 'Correct' symbol in the upper right corner of a box representing a board	The board is now highlighted with green colour and a symbol representing paper and a pen appears next to the '+ Create board' button
2	The user clicks the paper and pen symbol	A 'Edit board' pop up appears
3	The user highlights all the text in the 'Name' field on the pop up and writes 'test' to the field	The 'Name' field now displays text 'test'
4	The user clicks the 'Save changes' button on the pop up	The pop up closes and the new name of the modified board is displayed by the board on the board list
<u>Execution type:</u>	Manual	
<u>Estimated exec. duration (min):</u>	1.00	
<u>Priority:</u>	Medium	
<u>Requirements</u>	None	
<u>Keywords:</u>	None	

Test Case CBTEST-22: Verify user can't open deleted board	
Author:	admin
Summary:	

Verify the user can't open a board that was deleted in another browser tab

Preconditions:

Be on board listing view

#:	Step actions:	Expected Results:
1	Create a board	A board is created
2	Duplicate browser tab	2 tabs with same view is open
3	Delete the board in first tab	The tab was removed
4	Open the board in second tab	The board doesn't open or cause grey overlay
<u>Execution type:</u>		Manual
<u>Estimated exec. duration (min):</u>		1.00
<u>Priority:</u>		Medium
<u>Requirements</u>		None
<u>Keywords:</u>		None

Test Case CBTEST-62: Verify Deleting a board while it is being edited

Author: admin

Summary:

Date: 21.05.2015

Comments

Attempt to delete a board while some other user is editing the board data.

Preconditions:

Log in to Contribboard and user has an URL from "share board"-dialog

#:	Step actions:	Expected Results:
1	Share the link to another user, who opens the <i>Edit board</i> function.	
2	Attempt to delete the board while the other user is editing it.	Board is deleted and no errors occur OR board cannot be deleted while it is being edited ► PASS. System crash OR some errors occur with any of the board users ► FAIL.
<u>Execution type:</u>		Manual
<u>Estimated exec. duration (min):</u>		
<u>Priority:</u>		Medium
<u>Requirements</u>		None
<u>Keywords:</u>		None

Test Case CBTEST-352: Verify clicking empty space while creating a ticket

Author: admin

Summary:

Date: 18.02.2015

Comments:

This test verifies what happens when you click empty space while ticket is open.

Preconditions:

logged in to contribboard, board and ticket opened

#:	Step actions:	Expected Results:
1	Double click the board to create an ticket	Ticket appears
2	Click somewhere else than in that popup window	popup window disappears. Popup-ticket doesnt fade or other error --> FAIL. Popup-Ticket fades, user only sees board and 1 ticket. --> PASS.
<u>Execution type:</u>		Manual
<u>Estimated exec. duration (min):</u>		
<u>Priority:</u>		Medium
<u>Requirements</u>		None
<u>Keywords:</u>		None

Test Case CBTEST-418: Verify user can not enter plain board with wrong url

Author: admin

Summary:

Logged user should not be able to enter a boardview with an url like this: "http://lankku.n4sjamk.org/boards/AnythingYouWantToWrite"

Preconditions:

User is logged in to contribboard and created an board.

#:	Step actions:	Expected Results:
1	Copy the url of the board. Go back to workspace and delete the board you created.	You are taken to the workspace.
2	Paste the url on your browser and press enter.	The board does NOT exist, user should be noticed that board does not exist. User should not be able to enter the boardview. User should be taken back to workspace.
<u>Execution type:</u>		Manual

<u>Estimated exec. duration (min):</u>	
<u>Priority:</u>	Medium
<u>Requirements</u>	None
<u>Keywords:</u>	None

Test Case CBTEST-355: Verify clicking empty space while workflow templates window opened

<u>Author:</u>	admin	
<u>Summary:</u>	Date: 21.02.2015	
<u>Comments:</u>	Test for clicking empty space while workflow templates window opened	
<u>Preconditions:</u>	-logged in to contriboard -one board opened	
<u>#:</u>	<u>Step actions:</u>	<u>Expected Results:</u>
1	-click workflow templates icon in the upper right of the screen	-popup window appears
2	-click somewhere else than in that popup window	-popup window disappears -workflow template stays the same as before
<u>Execution type:</u>	Manual	
<u>Estimated exec. duration (min):</u>		
<u>Priority:</u>	Medium	
<u>Requirements</u>	None	
<u>Keywords:</u>	None	

Test Case CBTEST-70: Verify Open board to a new tab

<u>Author:</u>	admin	
<u>Summary:</u>	Test if opening board to another tab works and the page that opened the tab still works	
<u>Preconditions:</u>	User is logged in and has a board ready	
<u>#:</u>	<u>Step actions:</u>	<u>Expected Results:</u>
1	CTRL + left click on a board	PASS: A new tab is opened. Opened tab shows the board page and the original page is still fully usable. FAIL: A new tab is not opened or the original page does not work
<u>Execution type:</u>	Manual	
<u>Estimated exec. duration (min):</u>		
<u>Priority:</u>	Medium	
<u>Requirements</u>	None	
<u>Keywords:</u>	None	

Test Case CBTEST-413: Verify Board Scaling

<u>Author:</u>	admin	
<u>Summary:</u>	Verify that board scales correctly and tickets are NOT left outside of the board.	
<u>Preconditions:</u>	Logged in to contriboard and opened board	
<u>#:</u>	<u>Step actions:</u>	<u>Expected Results:</u>
1	Create three tickets. Position first ticket on the downside of the board, second ticket on the right side of the board and last one on the righdownside of the board.	tickets should move
2	Press "Pencil"-button	"Edit board"-view opens
3	Give board size width: 5 and height: 5 Press done	Board size should change to smaller and tickets should stay on the board.
<u>Execution type:</u>	Manual	
<u>Estimated exec. duration (min):</u>		
<u>Priority:</u>	Medium	
<u>Requirements</u>	None	
<u>Keywords:</u>	None	

Test Case CBTEST-414: Verify Umlauts in board name

<u>Author:</u>	admin	
<u>Summary:</u>	Verify that "ÄÖÄ.." can be written as board name.	
<u>Preconditions:</u>	User logged in to contriboard and created an board.	
<u>#:</u>	<u>Step actions:</u>	<u>Expected Results:</u>
1	Select "pencil"-button	"EditBoard"-view opens
2	Give board a random name with äöä-letters. press done	Dialog should close and board is renamed
<u>Execution type:</u>	Manual	
<u>Estimated exec. duration (min):</u>		

Priority:	Medium
Requirements	None
Keywords:	None

Test Case CBTEST-424: Verify board members work correctly		
<u>Author:</u>	admin	
<u>Summary:</u> Verify that if more then one users join the board, user will be able to see who is on the board from board members view.		
<u>Preconditions:</u> Logged in, created an board and inside that board.		
<u>#:</u>	<u>Step actions:</u>	<u>Expected Results:</u>
1	Open share-tab and press "share"-button.	Url will appear.
2	Copy paste the url in to incognito tab and log in as quest 3 times in 3 different incognito tabs.	User will have 3 incogntio tabs open and one main user tab
3	Go to your "logged in"-tab and press "board members"-button.	Board member dialog shows.
4	Compare the quest names you used in incognito tabs to the board member list.	If every name matches --> Pass If one or more name is missing or wrong --> Fail
<u>Execution type:</u>	Manual	
<u>Estimated exec. duration (min):</u>		
<u>Priority:</u>	Medium	
<u>Requirements</u>	None	
<u>Keywords:</u>	None	

1.1.1.2.Test Suite : Workspace

Test Case CBTEST-268: Verify Board creation and deletion		
<u>Author:</u>	admin	
<u>Summary:</u>		
Date: 18.02.2015		
Comments:		
End State:		
3rd created board should be visible		
<u>Preconditions:</u>		
User is logged in to Contriboard and there is no created boards		
<u>#:</u>	<u>Step actions:</u>	<u>Expected Results:</u>
1	Log in and create 5 boards (text doesn't matter)	5 boards created
2	Log out and log in again	5 created boards should be visible
3	Remove 2 first created boards and log out, log in again	3 last created boards should be visible
4	Remove 2 last created boards and log out, log in again	There is more or less boards open. --> FAIL. 3rd created board should be visible --> PASS.
5	Uusi askel!	Pysyt pystyssä!
<u>Execution type:</u>	Manual	
<u>Estimated exec. duration (min):</u>		
<u>Priority:</u>	Medium	
<u>Requirements</u>	None	
<u>Keywords:</u>	None	

Test Case CBTEST-371: Verify Rename board		
Author:	admin	
<u>Summary:</u>		
Verify that renaming board is working		
Date: 18.02.2015		
Comments:		
Verify that renaming board is working		
End State:		
Board's name changed to selected new one		
<u>Preconditions:</u>		
Workspace is open and has a board		
<u>#:</u>	<u>Step actions:</u>	<u>Expected Results:</u>

1	Click check button on board	Board activates
2	Click edit from top row	A dialog opens
3	Change name from textfield	Name changes in textfield
4	Click save changes	dialog closes and board name changes Verdict: Name did not change or it is wrong --> FAIL. Board's name changed --> PASS.
<u>Execution type:</u>		Manual
<u>Estimated exec. duration (min):</u>		
<u>Priority:</u>		Medium
<u>Requirements</u>		None
<u>Keywords:</u>		None

Test Case CBTEST-237: Verify Check board name updatesAuthor: adminSummary:

Test that board name is updated to all users on board.

Date: 18.02.2015

Comments:

Test that proves; board name is updated to all users on board.

End State:

Board name matches to the one that was set in incognito tab.

Preconditions:

Your browser is open, you have logged in to ContriBoard, created a board with no name.

#.	<u>Step actions:</u>	<u>Expected Results:</u>
1	Select a board and open it	Board should open.
2	Copy URL from "shareboard"-dialog. Open other tab in incognito mode. Paste the URL and login as guest.	Board should be shown.
3	In the normal tab(not incognito) select a board to edit and edit the board's name and change the name. Press "Done"-button.	Board name should be updated and settings saved. Both incognito and normal tab.
4	Check on the board on the incognito tab that the board name has changed.	Board name does not matches to the one that was set in normal tab.--> FAIL. Board name in incognito tab matches the one that was set in normal tab. --> PASS.
<u>Execution type:</u>		Manual
<u>Estimated exec. duration (min):</u>		
<u>Priority:</u>		Medium
<u>Requirements</u>		None
<u>Keywords:</u>		None

Test Case CBTEST-276: Verify Creating empty boardAuthor: adminSummary:

Date: 18.02.2015

Comments:

Creating empty board.

End State:

User sees new empty nameless board.

Preconditions:

Your browser is open, you have logged in.

#.	<u>Step actions:</u>	<u>Expected Results:</u>
1	Click "+"-button in the middle of the screen	New board should be created.
2	Open the board.	Nameless empty board was not created or errors--> FAIL. Nameless empty board was created --> PASS.
<u>Execution type:</u>		Manual
<u>Estimated exec. duration (min):</u>		
<u>Priority:</u>		Medium
<u>Requirements</u>		None
<u>Keywords:</u>		None

Test Case CBTEST-427: Verify shared questboard visibilityAuthor: adminSummary:

This test's idea is to verify that when user(logged in user) joins another users board, after that he can see the same board on his workspace page.		
<u>Preconditions:</u> Tester creates two account in two browser tabs. One in incognito tab and one in normal.		
<u>#:</u>	<u>Step actions:</u>	<u>Expected Results:</u>
1	User 1 creates an board. And share's the shared url of that board to the user 2.	
2	User 2 opens incognito tab and logs is. After that he connects to the shared url to the board.	User 2 is taken to the board.
3	User 2 goes back to workspace from boardview.	User 2 is taken to the workspace.
4	User 2 should see the board he connected in the boardlist.	New shared board should be visible in the boardlist.
<u>Execution type:</u>	Manual	
<u>Estimated exec. duration (min):</u>		
<u>Priority:</u>	Medium	
<u>Requirements</u>	None	
<u>Keywords:</u>	None	

1.1.1.3.Test Suite : Authentication

Test Case CBTEST-440: Tarkista, että kirjautuminen Facebook-tilin avulla onnistuu		
<u>Author:</u>	admin	
<u>Summary:</u>	Tarkista, että koneessa on Chrome 4.3.2	
<u>#:</u>	<u>Step actions:</u>	<u>Expected Results:</u>
1	askel1	ruudulla on sitä sun tätä
2	askel	ruudulla näkyy XX
3	asdfsaf	
4	asddsaf	
5	asdfsda	
6		
<u>Execution type:</u>	Manual	
<u>Estimated exec. duration (min):</u>		
<u>Priority:</u>	Medium	
<u>Requirements</u>	None	
<u>Keywords:</u>	None	

Test Case CBTEST-428: Verify register with facebook account		
Author:	admin	
Summary:		
Create an facebook account or use old one. Register new account to contriboard with facebook account.		
Preconditions:		
User has contriboard's login/register page open. User created/have an facebook account.		
#:	Step actions:	Expected Results:
1	Register with google account	Contriboard account is created via using google account
2	Navigate to user panel from top right corner and verify that avatar and username are imported as they should.	Login process should import avatar and username from google.
3	Log out.	User is logged out.
Execution type:	Manual	
Estimated exec. duration (min):		
Priority:	Medium	
Requirements	None	
Keywords:	None	

Test Case CBTEST-126: Verify Account creating and Login <!!>		
Author:	admin	
Summary:		
Date: 18.02.2015		
Comments:		
End State:		
A new account is created and user is logged in with that and redirected to workspace page		
Preconditions:		
Your browser is open, you are on Contriboard's login page		
#:	Step actions:	Expected Results:
1		

	Press "register"-button	Register opens.
2	Type an unused random email to email field (for ex. test@mail.1)	
3	Type a random password to password field (for ex. password). Use approved password type.	
4	Click Register button	Account is created and user is redirected to workspace.
5	Log out from contriboard	User is logged out.
6	Type email of just registered account to email field	
7	Type password of just registered account to password field	
8	Click Sign In	Pass --> User is logged in and redirected to workspace page. Fail--> something else
Execution type: Manual		
Estimated exec. duration (min): 2.00		
Priority: Medium		
Requirements None		
Keywords: None		

Test Case CBTEST-134: Verify Registration with password under 8 characters**Author:** admin**Summary:**

Verify Registration with password under 8 characters

Preconditions:Registration page (<http://contriboard.n4sjamk.org/register>) is opened

#.	Step actions:	Expected Results:
1	Type an unused email to email field (a.random@a.a)	
2	Type seven characters to password field and password again field (1234567)	
3	Click Register button	Validation failed message is shown at the top of the page and account is not created. Verdict: Account is created or validation message isnt shown--> FAIL. Account is NOT created and validation message is shown --> PASS.
Execution type: Manual		
Estimated exec. duration (min): 3.00		
Priority: Medium		
Requirements None		
Keywords: None		

Test Case CBTEST-88: Verify Testing logout**Author:** admin**Summary:**

Date: 18.02.2015

Comments:
Test for logging out of the contriboard.End State:
User logged out**Preconditions:**

Your browser is open and you have logged in to Contriboard. No boards open.

#.	Step actions:	Expected Results:
1	Press "profile"-button on right top corner and select "Logout"	PASS, if user was logged out to the front page FAIL, if user was not logged out
2	Login again and create a board with "+"-button.	You are redirected to the new board workspace.
3		

	Press "profile"-button on right top corner and select "Logout"	PASS, if user was logged out to the front page FAIL, if user was not logged out
<u>Execution type:</u>	Manual	
<u>Estimated exec. duration (min):</u>		
<u>Priority:</u>	Medium	
<u>Requirements</u>	None	
<u>Keywords:</u>	None	

Test Case CBTEST-372: Verify Registering with existing email & password

<u>Author:</u>	admin	
<u>Summary:</u>		
Date:	18.02.2015	
Comments:		
End State:	User should not be able to register because email is already in use	
<u>Preconditions:</u>	Your browser is open and in registerpage of contriboard.	
<u>#:</u>	<u>Step actions:</u>	<u>Expected Results:</u>
2	Press Register button	user is taken to register view
3	Register with email testi123@gmail.com and password: 12345678	User should not be able to register because email is already in use User should be able to register or other error--> FAIL. User is NOT able to register because email is already in use--> PASS.
<u>Execution type:</u>	Manual	
<u>Estimated exec. duration (min):</u>		
<u>Priority:</u>	Medium	
<u>Requirements</u>	None	
<u>Keywords:</u>	None	

Test Case CBTEST-220: Verify Escaping critical special characters in password field, while registering to Contriboard.

<u>Author:</u>	admin	
<u>Summary:</u>		
Date:	18.02.2015	
Comments:		
End State:	You cannot register new user while using critical special characters. -> Register failed.	
<u>Preconditions:</u>	Your browser is open, you have opened Contriboard's registerpage.	
<u>#:</u>	<u>Step actions:</u>	<u>Expected Results:</u>
1	Press register on Contriboard login screen.	Registration view is displayed.
2	Type into the email field something@something.com	Input is shown as it is in the field.
3	Type special characters into the password field, for example: some;thing> , atleast 8 characters long.	Input is hidden.
4	Type the same text for the Confirm password field.	Input is also hidden for this field.
5	Press register button	The registration should fail, because it contains critical special characters.
6	Repeat these steps 10 times while using different inputs, containing special characters, for the password fields.	See steps 1-5.
7	If registration fails every time and the special characters are escaped properly each time: PASS , otherwise FAILED.	Failed if register succeeded. Passed if register failed.
<u>Execution type:</u>	Manual	
<u>Estimated exec. duration (min):</u>	5.00	
<u>Priority:</u>	Medium	
<u>Requirements</u>	None	
<u>Keywords:</u>	None	

Test Case CBTEST-373: Verify Registration

<u>Author:</u>	admin	
<u>Summary:</u>		
Date:	18.02.2015	

Comments:

End State:

User is created and redirected to the first page.

Preconditions:

Your browser is open, you are at Contriboard's registerpage.

#:	Step actions:	Expected Results:
1	Click 'Register' on the login screen.	A registering form opens.
2	Enter email and password.	Checks if the password is adequate.
3	Confirm password.	Checks that passwords match and warns if not.
4	Click 'Register'.	Confirmation is given that registration succeeded. User is redirected to the first page. User is not created and/or redirected to the first page --> FAIL. User is created and redirected to the first page. --> PASS.
<u>Execution type:</u>		Manual
<u>Estimated exec. duration (min):</u>		
<u>Priority:</u>		Medium
<u>Requirements</u>		None
<u>Keywords:</u>		None

Test Case CBTEST-374: Verify Login to an accountAuthor: adminSummary:

Date: 18.02.2015

Comments:

End State:

User is redirected to board creation page.

Preconditions:

Your browser is open and user has working account information(user and password).

#:	Step actions:	Expected Results:
1	The tester goes to login page ('http://contriboard.n4sjamk.org/login') with his/her browser	The login page is loaded
2	The tester writes 'testing@testing.fi' to the Email field and 'testingtesting' to the Password field on the login page	The user input is registered to the text fields
3	The tester clicks the 'Sign in' button on the page	Contriboard board view is loaded User is NOT logged in --> FAIL. User is logged in--> PASS.
<u>Execution type:</u>		Manual
<u>Estimated exec. duration (min):</u>		1.00
<u>Priority:</u>		Medium
<u>Requirements</u>		None
<u>Keywords:</u>		None

Test Case CBTEST-380: Verify Changing passwordAuthor: adminSummary:

A test for changing user's password.

Preconditions:

An account has been made, user is logged in and profile tab where "password" is selected

#:	Step actions:	Expected Results:
1	Write your old password and the new password 2 times in the correct fields. Press submit	Password should change.
2	Log out and log in using the new password	User should log in. If log in works with new password --> pass If log in does not work with new password --> fail
<u>Execution type:</u>		Manual
<u>Estimated exec. duration (min):</u>		
<u>Priority:</u>		Medium
<u>Requirements</u>		None
<u>Keywords:</u>		None

Test Case CBTEST-84: Verify Password matchAuthor: adminSummary:

Passwords in two password-fields should match when registering and announce it correctly with text.

Tester will do this while registering first time and in the profile tab after registering.

Preconditions:

User is register-page

#.	Step actions:	Expected Results:
1	Create new user with email of your selection. Write email.	
2	Type "SalaSana123" to password field	Password-field should show 11 dots
3	Type "PassWord123" to Verify password -field	Field should show 11 dots
4	Click register or submit, depending if your registering or in the profile tab	Info about password mismatch should be shown
5	type "salasana123" in both password fields and press register	new user is created
6	Go to profile in right up corner. and there go to "password"-tab. Repeat steps 2-4 (verify your old password with " SalaSana123 ")	Info about mismatch should be shown
7	type "salis123123" in both password fields and press submit.(verify your old password with " SalaSana123 ") Log out.	Users password should be changed and should be taken to login page
8	login again using "salis123123" as a password	User is logged in -> PASS User is not logged in -> Fail
Execution type:	Manual	
Estimated exec. duration (min):		
Priority:	Medium	
Requirements	None	
Keywords:	None	

Test Case CBTEST-231: Verify user has valid email in registration form

Author: admin

Summary:

Date: 18.02.2015

Comments:

End State:

User cannot register with non valid email.

Preconditions:

Your browser is open and in contriboard's registerpage

#.	Step actions:	Expected Results:
2	Enter invalid format email address 'thisisnotmyemail@'	Text should appear in input.
3	Enter valid password to both password fields 'boardbassword2015'	Password should be input and characters should be hidden.
4	Click on register button	Error message of invalid email should appear. PASS: if 'Invalid email' message appears FAIL: if no error message is shown or the user is allowed to register
Execution type:	Manual	
Estimated exec. duration (min):	2.00	
Priority:	Medium	
Requirements	None	
Keywords:	None	

Test Case CBTEST-271: Verify Logging in with invalid password

Author: admin

Summary:

Date: 18.02.2015

Comments:

Test to try if user can log in with wrong password

End State:

User cannot log in with wrong password

Preconditions:

Your browser is open and on contriboard's loginpage.

#.	Step actions:	Expected Results:
1	Login to test account with right credentials	Should have access to contriboard
2	Log out	User logs out

[illegible]

	Create manually tb-access-token-user key to local storage and paste the value of stored user-token
9	Paste copied Board address to first browser address bar and navigate there
10	Click Create ticket button
11	Give it a random header and click create
12	Click Log out button
13	Type credentials (testcase0@mailinator.com:salasana1) on the login page and click Sign In
14	Click a Board (testboard0) and check modifications
15	Open web developer tools (ex. Chrome & Developer Tools) and find tb-access-token-user key from local storage and see if it's different from
16	Repeat steps from #6 to #15 to see that if relogin prevents the old user token exploit
<u>Execution type:</u>	Manual
<u>Estimated exec. duration (min):</u>	5.00
<u>Priority:</u>	Medium
<u>Requirements</u>	None
<u>Keywords:</u>	None

Test Case CBTEST-422: Verify register with google account		
<u>Author:</u>	admin	
<u>Summary:</u>	Create an google account or use old one. Register new account to contriboard with google account.	
<u>Preconditions:</u>	User has contriboard's login/register page open. User created/have an google account.	
<u>#:</u>	<u>Step actions:</u>	<u>Expected Results:</u>
1	Register with google account	Contriboard account is created via using google account
2	Navigate to user panel from top right corner and verify that avatar and username are imported as they should.	Login process should import avatar and username from google.
3	Log out.	User is logged out.
<u>Execution type:</u>	Manual	
<u>Estimated exec. duration (min):</u>		
<u>Priority:</u>	Medium	
<u>Requirements</u>	None	
<u>Keywords:</u>	None	

Test Case CBTEST-425: Verify avatar changing work correctly		
<u>Author:</u>	admin	
<u>Summary:</u>	Test for changing user avatar	
<u>Preconditions:</u>	Account created and logged in.	
<u>#:</u>	<u>Step actions:</u>	<u>Expected Results:</u>
1	Navigate to profile page through top right corner menu.	Profile page should open
2	Open a new tab in your browser and copy this link to your browsers address bar and make sure it is working: https://lh3.googleusercontent.com/-91my08K--PI/AAAAAAAAAAI/AAAAAAAAAA/rKaOeVpHZkA/photo.jpg	Link should redirect to a working avatar
3	In Contriboard profile page, copy this link to "Your avatar" line and submit: https://lh3.googleusercontent.com/-91my08K--PI/AAAAAAAAAAI/AAAAAAAAAA/rKaOeVpHZkA/photo.jpg	You should see the avatar changing in section "Your avatar"
4	Navigate back to main menu through "<- Workspace" -button.	Button redirects to previous page
5	Create board	Board created
6	Check board members tab if users avatar change succeed. "Board members" -tab can be found from button located in top right corner.	Board members tab opens and you can see the new avatar under your username.
7	Create ticket	Ticket created
8	Write a comment to ticket and check if the new avatar is also applied as signature for your comment.	New avatar is shown in front of the comment.

9	
<u>Execution type:</u>	Manual
<u>Estimated exec. duration (min):</u>	
<u>Priority:</u>	High
<u>Requirements</u>	None
<u>Keywords:</u>	None

1.1.1.4.Test Suite : Administration

Test Case CBTEST-385: Sending message to technical support		
<u>Author:</u>	admin	
<u>#:</u>	<u>Step actions:</u>	<u>Expected Results:</u>
1	Go to main page	
2	Click on questionmark on bottom left corner	Textfield is opened
3	Write some text to textfield and click "next"	Your message is sent to technical support
<u>Execution type:</u>	Manual	
<u>Estimated exec. duration (min):</u>		
<u>Priority:</u>	Medium	
<u>Requirements</u>	None	
<u>Keywords:</u>	None	

1.1.1.5.Test Suite : Localization

Test Case CBTEST-386: Changing localization		
<u>Author:</u>	admin	
<u>Last edit by:</u>	narsuman	
<u>Preconditions:</u>	Logged in contriboard	
<u>#:</u>	<u>Step actions:</u>	<u>Expected Results:</u>
1	Click on localization button on right side of tool bar (below log out button)	
2	Select another language	
3	Log out	login & register pages should now be on selected language
<u>Execution type:</u>	Manual	
<u>Estimated exec. duration (min):</u>		
<u>Priority:</u>	Medium	
<u>Requirements</u>	None	
<u>Keywords:</u>	None	

Test Case CBTEST-387: Changing the language		
<u>Author:</u>	admin	
<u>Summary:</u>	The user changes the language of ContriBOARD	
<u>Preconditions:</u>	<ul style="list-style-type: none"> The user has logged in to ContriBOARD with username 'testing@testing.fi' and password 'testingtesting' 	
<u>#:</u>	<u>Step actions:</u>	<u>Expected Results:</u>
1	The user clicks the weird symbol with letter 'A' on the toolbar on the left border of ContriBOARD	A list of flags representing languages appears to the toolbar
2	The user clicks a flag symbol representing a language	The strings displayed in the contriboard change according to the selected language if the user did not choose the previously used language
<u>Execution type:</u>	Manual	
<u>Estimated exec. duration (min):</u>	1.00	
<u>Priority:</u>	Medium	
<u>Requirements</u>	None	
<u>Keywords:</u>	None	

1.1.1.6.Test Suite : Color picker

Test Case CBTEST-284: Verify that user can change ticket color		
<u>Author:</u>	admin	
<u>Summary:</u>	Testing ticket color changes in ContriBOARD.	
<u>Preconditions:</u>	Browser open and in ContriBOARD's first page.	
<u>#:</u>	<u>Step actions:</u>	<u>Expected Results:</u>
1	login with exiting account	You get in to contriboard
2	Create new board or use existing	New board or existing board opens
3	Create new ticket or use existing	Ticket options opens

4	Click color you wish to have and press apply	Ticket color should be changed
<u>Execution type:</u>	Manual	
<u>Estimated exec. duration (min):</u>	1.00	
<u>Priority:</u>	Medium	
<u>Requirements</u>	None	
<u>Keywords:</u>	None	

1.1.1.7. Test Suite : Sharing boards by url

Test Case CBTEST-17: Verify Board sharing		
<u>Author:</u>	admin	
<u>Summary:</u>		
Date:	18.02.2015	
Comments:	Make sure that board sharing works, even with "old" URL.	
End State:	You have two browsers open, one logged in as user and one as quest.	
<u>Preconditions:</u>	Your browser is open, you have logged in, created a board and you have opened the board.	
<u>#:</u>	<u>Step actions:</u>	<u>Expected Results:</u>
1	Press the "Share board"-button	"Share board"-dialog appears.
2	Press "Share"-button	Link appears appears to "Shared link"-textbox
3	Write the URL to second browser and open it. Log in as guest.	The other browser should open the same board
4	Go to your first browser and press "Hide"-button on the "Share board"-dialog	URL should disappear from "Shared link"-textbox
5	Open your second browser again and try to open the same URL as before. Log in as quest if you can.	You should not be able to see the board. Browser takes you to "Login"-page.
6	Go to your first browser and press "Share"-button.	URL should appear to "Shared Link"-textbox
7	Open your second browser and use the first URL of this testcase. Log in as guest.	Browser should open the board.
8	Leave the website in your second browser and then copy the new URL from your first browser. Paste this in your second browser and login as guest.	You cannot join the same board with one of the URL's --> FAIL. Every URL takes you to same board --> PASS.
<u>Execution type:</u>	Manual	
<u>Estimated exec. duration (min):</u>		
<u>Priority:</u>	Medium	
<u>Requirements</u>	None	
<u>Keywords:</u>	None	

Test Case CBTEST-222: Verify Editing board name and providing link for another user(before the name is changed))		
<u>Author:</u>	admin	
<u>Summary:</u>		
Date:	22.05.2015	
Verify that URL user created works after editing the name.		
<u>Preconditions:</u>	Signed in to Contriboard.	
<u>#:</u>	<u>Step actions:</u>	<u>Expected Results:</u>
1	Create board by pressing the Create board button on top right corner and name it as you like and press Create.	Board is created and appears.
2	Select the board with the check icon.	Board is selected and the select icon is active.
3	Click the note icon on top toolbar.	Edit board view opens up.
4	Press generate.	Url is generated.
5	Press copy.	Url is copied to the users clipboard.
6	Give the board a new name.	Input is shown in the correct field.
7	Press Save changes.	New name is saved.
8	Open new browser window and paste the generated link into the address bar.	Contriboard login screen is displayed.
9	log in as quest.	User is signed in to Contriboard
10	Repeat 10 times with different boards.	See steps 1-9.
11	Complete the test	If correct board shows up with changed name everytime: PASS otherwise FAIL.

<u>Execution type:</u>	Manual
<u>Estimated exec. duration (min):</u>	10.00
<u>Priority:</u>	Medium
<u>Requirements</u>	None
<u>Keywords:</u>	None

Test Case CBTEST-258: Verify Viewing deleted board by sharing link 2

<u>Author:</u>	admin	
<u>Summary:</u>	21.05.2015 Verifies that user is not able to view the board after the owner has remove it.	
<u>Preconditions:</u>	User 1 has Contribboard open in browser. User 1 is viewing boards menu. User 2 logged in aswell	
<u>#:</u>	<u>Step actions:</u>	<u>Expected Results:</u>
1	User 1 selects a board for modifying and copys the sharing link.	
2	User 1 deletes the board and shares the link for User 2.	
3	User 2 opens the link.	If another user is not able to view deleted board, test will PASS. If other way, test will FAIL.
<u>Execution type:</u>	Manual	
<u>Estimated exec. duration (min):</u>	6.00	
<u>Priority:</u>	Medium	
<u>Requirements</u>	None	
<u>Keywords:</u>	None	

Test Case CBTEST-248: Verify board not viewable after link is cleared

<u>Author:</u>	admin	
<u>Summary:</u>	Verify boards are not viewable after the board's link has been cleared.	
<u>Test Configuration:</u>	Windows 7 Chrome 40.*	
<u>Preconditions:</u>	Contribboard open in browser, logged with credentials testaja@grr.la/salasana, looking at the user's boards.	
<u>#:</u>	<u>Step actions:</u>	<u>Expected Results:</u>
1	Select the board "Testi 2", and go to its settings.	
2	Generate a link for the board and copy that link to clipboard.	
3	Clear the link for this board.	
4	Paste the link into a browser and attempt to view the board.	Cannot view board.
<u>Execution type:</u>	Manual	
<u>Estimated exec. duration (min):</u>		
<u>Priority:</u>	Medium	
<u>Requirements</u>	None	
<u>Keywords:</u>	None	

Test Case CBTEST-236: Verify Clear board share URL

<u>Author:</u>	admin	
<u>Summary:</u>	21.05.2015 comments: Test that board share URL can be removed.	
<u>#:</u>	<u>Step actions:</u>	<u>Expected Results:</u>
1	Press "Share"-button, then "Share"-button again and copy paste the url to igocnito tab in your browser.	Url opens the board in your igocnito tab
2	Press hide and try to open the URL in your igocnito tab	URL disappear and you cannot access the page anymore in your igocnito tab --> Pass URL doesnt disappear or error --> Fail
<u>Execution type:</u>	Manual	
<u>Estimated exec. duration (min):</u>		
<u>Priority:</u>	Medium	
<u>Requirements</u>	None	
<u>Keywords:</u>	None	

Test Case CBTEST-304: Verify that guest users are logged out when shared link is removed.

<u>Author:</u>	admin	
<u>Summary:</u>	Testing that guest can't use board after sharing is removed.	

Test configuration: Windows 7 / Firefox 35.0.1		
Test passed: Guest user can't access the board after shared link is removed by the board owner.		
<u>Preconditions:</u>		
Log In with account: tunnus7@example.com / tunnus77		
<u>#.</u>	<u>Step actions:</u>	<u>Expected Results:</u>
1	Create new board.	
2	Select the new board and click Edit Board	Edit board dialog should open
3	Generate new sharing link and copy it.	
4	Click Save changes.	
5	Open new private/incognito window in your browser.	
6	Paste the shared link to the new window.	Contribo board guest login page should open
7	Log in with username "Tester"	Shared board should open.
8	Create new ticket with heading "test"	
9	Go back to original window.	
10	Select the board you created previously and click Edit Board.	
11	Click clear.	Sharing link should disappear.
12	Click Save changes	
13	Go to the private/incognito window.	
14	Try to move the ticket you created	Guest user should be logged out and forwarded to log in page.
<u>Execution type:</u>	Manual	
<u>Estimated exec. duration (min):</u>	3.00	
<u>Priority:</u>	Medium	
<u>Requirements</u>	None	
<u>Keywords:</u>	None	

1.1.1.8.Test Suite : Ticket Life Cycle

Test Case CBTEST-253: Verify Creating multiple tickets			
<u>Author:</u>	admin		
<u>Summary:</u>	Verifies that use is able to create multiple tickets on the board.		
<u>Preconditions:</u>			
Contribo board open in browser, logged with credentials with board open			
<u>#:</u>	<u>Step actions:</u>	<u>Expected Results:</u>	
1	Select <i>Create ticket</i> -button	The dialog for creating a ticket will open.	
2	Pick up blue for background color and write to <i>Add a heading</i> -field "Ticket 1". Then select <i>Create</i> -button.	A new ticket is created and will appear on the board.	
3	Select <i>Create ticket</i> -button.	The dialog for creating a ticket will open.	
4	Pick up blue for background color and write to <i>Add a heading</i> -field "Ticket 2". Then select <i>Create</i> -button.	A new ticket is created and will appear on the board.	
5	Select <i>Create ticket</i> -button	The dialog for creating a ticket will open.	
6	Pick up blue for background color and write to <i>Add a heading</i> -field "Ticket 3". Then select <i>Create</i> -button.	A new ticket is created and will appear on the board. If user is able to create several tickets to the board, test will PASS. If the tickets are not created, test will FAIL.	
<u>Execution type:</u>	Manual		
<u>Estimated exec. duration (min):</u>	4.00		
<u>Priority:</u>	Medium		
<u>Requirements</u>	None		
<u>Keywords:</u>	None		

Test Case CBTEST-185: Verify Snap to Grid	
<u>Author:</u>	admin
<u>Summary:</u>	
Date:	18.02.2015

Comments:

Snap to grid should make it easier to arrange the tickets. This is test for it.

Preconditions:

Browser is open at contriboard, logged in and user has created an board

#:	Step actions:	Expected Results:
1	Create four tickets by double clicking the board four times.	Four tickets are created
2	Click "Snap To Grid"-button on left top corner. It looks like a magnet.	"Snap to grip"-button should be highlighted
3	Drag the tickets around and see if the magnet works.	Tickets should rearrange themselves when user moves them around. They should "stick" next to each other if moved near eachother.
Execution type:		Manual
Estimated exec. duration (min):		4.00
Priority:		Medium
Requirements		None
Keywords:		None

Test Case CBTEST-350: Verify Moving tickets outside of the board

Author: admin

Summary:

Date: 21.02.2015

Comments:

The user tries to move the ticket outside the boundaries of the board

Preconditions:

- The user has logged in to Contriboard
- The user has at least one board created.
- The user has opened a board for viewing.

#:	Step actions:	Expected Results:
1	The user drags a ticket by pressing left button of a mouse	The ticket is attached to mouse pointer
2	The user drags the ticket to the border of the board	The ticket follows the mouse pointer
3	The user tries to move the ticket over the board border and releases the left button of the mouse	The ticket returns within the board borders after the left mouse button is released
Execution type:		Manual
Estimated exec. duration (min):		
Priority:		Medium
Requirements		None
Keywords:		None

Test Case CBTEST-367: Verify Creating a ticket with a huge amount of text

Author: admin

Summary:

21.05.2015

Test for checking the limits of ticket text.

Preconditions:

An account has been made and logged in. A board has been made.

#:	Step actions:	Expected Results:
1	Click 'Create a new ticket'.	Ticket creation opens.
2	Paste or write a ridiculously huge amount of text in it.	
3	Click 'Create'.	Warns that the ticket has too much text. Does not allow creation.
Execution type:		Manual
Estimated exec. duration (min):		
Priority:		Medium
Requirements		None
Keywords:		None

Test Case CBTEST-223: Verify Typing ticket headings ~200 characters long.

Author: admin

Summary:

21.05.2015

Preconditions:

Signed in to Contriboard using above info. At least one board is created.

#:	Step actions:	Expected Results:
1	Select a board by clicking in the middle of it in order to display it.	Board opens up.
2		

	User clicks the Create Ticket button located in upper right corner of the layout.	Ticket creating view opens.
3	Type into the heading field a text ~200 characters long (alternating between usage of spaces and without) and press Create button.	Ticket is created and is displayed on the board. Not escaping the element.
4	Repeat steps 2-3 10 times.	See steps 2-3.
5	If the ticket appears and is displayed properly without any problems: PASS , otherwise FAIL.	Result: FAILED, if the heading includes spaces, the text is properly shortened and cut, but when the heading has no spaces, it escapes the ticket element everytime. For example, if the title is a one long compound word over 30 characters long, this might be a problem.
<u>Execution type:</u>		Manual
<u>Estimated exec. duration (min):</u>		5.00
<u>Priority:</u>		Medium
<u>Requirements</u>		None
<u>Keywords:</u>		None

Test Case CBTEST-396: Verify moving ticket using 2 or more browsers /tabs

<u>Author:</u>		admin
<u>Summary:</u>		
comments:		
verify that user can move tickets in more then one browser tab.		
<u>Preconditions:</u>		
Logged in to contriboard's first page.		
<u>#:</u>	<u>Step actions:</u>	<u>Expected Results:</u>
1	Select a board	
2	Open board view with 2 browsers	
3	Create new ticket	
4	Move ticket around the board view in other browser	
5	Refresh the other browser	Tickets new location should be same as in the browser in which is was moved
<u>Execution type:</u>		Manual
<u>Estimated exec. duration (min):</u>		
<u>Priority:</u>		Medium
<u>Requirements</u>		None
<u>Keywords:</u>		None

Test Case CBTEST-80: Verify Create ticket with special char in heading

<u>Author:</u>		admin
<u>Summary:</u>		
User should be able to add special characters to ticket heading		
<u>Preconditions:</u>		
1. User is logged in		
2. User has at least one board		
3. User is in "view board" -mode, where user can add new tickets		
<u>#:</u>	<u>Step actions:</u>	<u>Expected Results:</u>
1	1. Click "Create ticket" -button	Add ticket -dialog should appear
2	Add the following string to heading: å指事字&joo#ei(=1) ö Press "create"	Ticket should become visible to top-left corner of the board. Heading should be shown correctly (no url-encoded chars etc.)
<u>Execution type:</u>		Manual
<u>Estimated exec. duration (min):</u>		
<u>Priority:</u>		Medium
<u>Requirements</u>		None
<u>Keywords:</u>		None

Test Case CBTEST-285: Verify that changing ticket name works

<u>Author:</u>		admin
<u>Summary:</u>		
Testing ticket name changes in Contriboard.		
Test Configuration: Windows 7 Firefox		
<u>Preconditions:</u>		
Account: testausta@hotmail.fi pw:testausta		
<u>#:</u>	<u>Step actions:</u>	<u>Expected Results:</u>
1	login with existing account	You get in contriboard first page
2	Select existing board by double clicking it	Board opens

4	Select existing ticket and click it	Ticket options opens
5	Write new name and press apply	Ticket name should be changed
<u>Execution type:</u>	Manual	
<u>Estimated exec. duration (min):</u>	1.00	
<u>Priority:</u>	Medium	
<u>Requirements</u>	None	
<u>Keywords:</u>	None	

Test Case CBTEST-49: Verify User can delete a ticket

<u>Author:</u>	admin	
<u>Summary:</u>		
Date: 18.02.2015		
Comments:	Make sure user can delete the tickets	
<u>Preconditions:</u>	User is logged to Contriboard User can create a board User can create a ticket	
<u>#:</u>	<u>Step actions:</u>	<u>Expected Results:</u>
1	Select a ticket you want to delete by clicking the "tick"-button on the ticket	More options should show up on the top bar
2	Click the "trashbin"-button	Deletion menu should show up
3	Press the "delete"-button in the deletion menu	Ticket should now be deleted
4	Log out and log back in to check if the ticket is deleted	Ticket should be gone forever Couldn't delete a ticket --> FAIL. A ticket has been deleted --> PASS.
<u>Execution type:</u>	Manual	
<u>Estimated exec. duration (min):</u>		
<u>Priority:</u>	Medium	
<u>Requirements</u>	None	
<u>Keywords:</u>	None	

Test Case CBTEST-397: Verify Simultaneous editing of ticket

<u>Author:</u>	admin	
<u>Summary:</u>		
21.05.2015		
Comments:		
<u>Preconditions:</u>	Logged into contriboard in multiple browsers	
<u>#:</u>	<u>Step actions:</u>	<u>Expected Results:</u>
1	Create board	
2	Create new ticket	
3	Open ticket with both browsers	Ticket is opened and can be edited
4	Edit ticket and save changes in one browser	
5	refresh ticket view with other browser	Ticket should have info saved in previous step
<u>Execution type:</u>	Manual	
<u>Estimated exec. duration (min):</u>		
<u>Priority:</u>	Medium	
<u>Requirements</u>	None	
<u>Keywords:</u>	None	

Test Case CBTEST-79: Verify Change ticket color

<u>Author:</u>	admin	
<u>Summary:</u>		
Comments:	User should be able to change the color the ticket	
<u>Preconditions:</u>	1. User is logged in 2. User has a board and is in "board view" -mode, where he/she can edit tickets 3. User has created a ticket with the heading "joo" and the ticket is visible	
<u>#:</u>	<u>Step actions:</u>	<u>Expected Results:</u>
1	Click the ticket with heading "joo"	Ticket edit -dialog should become visible. Dialog's top should be blue.
2	Click the color yellow	Edit-dialog's top should become yellow

3	Press "apply"	Tickets top should change from blue to yellow
4	Click the ticket again for editing	Edit dialog should pop up, top should be yellow
5	Click purple	Dialog's top should become purple
6	Click cancel	Dialog should close. Ticket's color should still be yellow.
7	Click the ticket again for editing	Edit dialog should pop up, top of the dialog should be yellow
<u>Execution type:</u>		Manual
<u>Estimated exec. duration (min):</u>		
<u>Priority:</u>		Medium
<u>Requirements</u>		None
<u>Keywords:</u>		None

Test Case CBTEST-47: Verify User can edit the color of a ticket

<u>Author:</u>		admin
<u>Summary:</u>		
Date: 21.05.2015		
Comments:		Make sure user can edit colors of the tickets
<u>Preconditions:</u>		
User can log in to Contriboard		
User can create a board		
User can create a ticket		
<u>#:</u>	<u>Step actions:</u>	<u>Expected Results:</u>
1	Select a ticket which color you want to change	Contriboard should show the ticket edit menu
2	Choose a color from the color palette	Contriboard should display the change immediately
3	Click the "apply"-button to save the changes	Ticket color should be now changed
4	Log out and log back in to check if the color of the ticket is changed	The ticket should still have the new color Couldn't edit a ticket color --> FAIL. A ticket color has been changed --> PASS.
<u>Execution type:</u>		Manual
<u>Estimated exec. duration (min):</u>		
<u>Priority:</u>		Medium
<u>Requirements</u>		None
<u>Keywords:</u>		None

Test Case CBTEST-260: Verify Modifying a ticket when owner delete the board

<u>Author:</u>		admin
<u>Summary:</u>		
21.05.2015		
Verifies that product can handle the situation when user try to modify a ticket of a board which has been removed by the owner.		
<u>Preconditions:</u>		
Two users have Contriboard open in browser.		
Logged with credentials or register.		
User 1 has shared the link to the board to User 2.		
User 1 is viewing boards menu and User 2 is viewing the board.		
<u>#:</u>	<u>Step actions:</u>	<u>Expected Results:</u>
1	User 2 double click board to create ticket	ticket shows
2	User 1 select the board and delete it.	Board should be deleted.
3	User 2 select <i>Create</i>	User 2 will be logged out from service. If product can handle the situation, test will PASS. If there are unexpected result, test will FAIL.
<u>Execution type:</u>		Manual
<u>Estimated exec. duration (min):</u>		6.00
<u>Priority:</u>		Medium
<u>Requirements</u>		None
<u>Keywords:</u>		None

Test Case CBTEST-261: Verify Modifying a ticket when owner clear the sharing link

<u>Author:</u>		admin
<u>Summary:</u>		
22.05.2015		
Verifies that user is not able to modify a ticket after the owner has clear the sharing link.		
<u>Preconditions:</u>		
Two users have Contriboard open in browser.		
Logged with credentials		
User 1 has shared the link to the board to User 2.		
User 1 is viewing boards menu and User 2 is viewing the board.		

#:	Step actions:	Expected Results:
1	User 2 select a ticket for modifying.	
2	User 1 select the board for modifying and <i>Clear</i> the sharing link.	
3	User 2 select <i>Apply</i> .	User 2 will be logged out from service. The ticket will not be modified. If another user is not able to modify a ticket after owner has clear the sharing link, test will PASS. If there are unexpected result, test will FAIL.
<u>Execution type:</u>	Manual	
<u>Estimated exec. duration (min):</u>	6.00	
<u>Priority:</u>	Medium	
<u>Requirements</u>	None	
<u>Keywords:</u>	None	

Test Case CBTEST-24: Verify ticket name word wrapping

<u>Author:</u>	admin	
<u>Preconditions:</u>	Be in any board	
#:	Step actions:	Expected Results:
1	Create a ticket 100 character long heading without spaces	The created ticket's heading text doesn't go outside the ticket
<u>Execution type:</u>	Manual	
<u>Estimated exec. duration (min):</u>		
<u>Priority:</u>	Medium	
<u>Requirements</u>	None	
<u>Keywords:</u>	None	

Test Case CBTEST-57: Verify Tickets overlapping functionality

<u>Author:</u>	admin	
<u>Summary:</u>	Date: 22.02.2015	
<u>Comments</u>	Create two or more tickets and make them overlap each other.	
<u>End State</u>	Tickets overlap each other.	
<u>Preconditions:</u>	Log in to Contriboard, create a board and create several tickets.	
#:	Step actions:	Expected Results:
1	Create several tickets on a board and make them overlap each other.	Tickets overlap each other with no problems. Tickets overlap each other with no issues, moving overlapping tickets works OK ► PASS. Tickets flicker while overlapping, or moving them causes problems ► FAIL.
<u>Execution type:</u>	Manual	
<u>Estimated exec. duration (min):</u>		
<u>Priority:</u>	Medium	
<u>Requirements</u>	None	
<u>Keywords:</u>	None	

Test Case CBTEST-263: Verify Multiple users deleting the same ticket

<u>Author:</u>	admin	
<u>Summary:</u>	Verifies that product can handle the situation when multiple users are deleting the same ticket.	
<u>Preconditions:</u>	Two users have Contriboard open in browser. Logged with credentials to contriboard. User 1 has shared the link to the board to User 2. Both are viewing the board.	
#:	Step actions:	Expected Results:
1	User 1 selects the ticket for deleting and select delete.	Deleting dialog will open for User 1.
2	User 2 selects the same ticket for deleting and selects delete.	Deleting dialog will open for User 2.
3	User 1 confirms deleting by selecting Delete button.	Ticket will be removed. User 1 will view board. User 2 will view deleting dialogbox.
4	User 2 confirms deleting by selecting Delete button.	User 2 will view board. If product can handle the situation, test will PASS. If there are unexpected result, test will FAIL.
<u>Execution type:</u>	Manual	
<u>Estimated exec. duration (min):</u>	4.00	
<u>Priority:</u>	Medium	

<u>Requirements</u>	None
<u>Keywords</u>	None

Test Case CBTEST-145: Verify Move ticket position

<u>Author:</u>	admin	
<u>Summary:</u>	22.05.2015 Test Summary: Move ticket position	
<u>Preconditions:</u>	User is logged in and on the board page. User created a ticket.	
<u>#:</u>	<u>Step actions:</u>	<u>Expected Results:</u>
1	Drag and drop selected ticket	Selected ticket is moved to dragged position Selected ticket is moved to new position --> Pass Selected ticket is NOT moved to new position --> Fail
<u>Execution type:</u>	Manual	
<u>Estimated exec. duration (min):</u>		
<u>Priority:</u>	Medium	
<u>Requirements</u>	None	
<u>Keywords:</u>	None	

Test Case CBTEST-67: Verify Ticket minimap test

<u>Author:</u>	admin	
<u>Summary:</u>	22.05.2015 Verify that minimap works correctly	
<u>Preconditions:</u>	User is logged in and created an board.	
<u>#:</u>	<u>Step actions:</u>	<u>Expected Results:</u>
1	Create 3 tickets	The tickets show up (might be on top of each other)
2	Move tickets next to each other in a row	The tickets are in a row
3	Go to board listing view	You are in board listing view
4	Look at the board "mini map"	The tickets show up in the board image and they are next to each other in a row
<u>Execution type:</u>	Manual	
<u>Estimated exec. duration (min):</u>		
<u>Priority:</u>	Medium	
<u>Requirements</u>	None	
<u>Keywords:</u>	None	

Test Case CBTEST-61: Verify Deleting a ticket while it is being edited

<u>Author:</u>	admin	
<u>Summary:</u>	Date: 22.05.2015 Comments Attempt to delete a ticket while some other user is editing the ticket data. End State Ticket is deleted, edited data won't be sent to server	
<u>Preconditions:</u>	User is logged in to Contriboard and open a board.	
<u>#:</u>	<u>Step actions:</u>	<u>Expected Results:</u>
1	user opens incognito tab with access to the board as quest and opens a ticket for editing it.	Ticket opens.
2	Attempt to delete the ticket with normal user while the quest user(incognito tab) is editing it.	Ticket is deleted and no errors occur OR ticket cannot be deleted while it is being edited ► PASS. System crash OR some errors occur with any of the ticket users ► FAIL.
<u>Execution type:</u>	Manual	
<u>Estimated exec. duration (min):</u>		
<u>Priority:</u>	Medium	
<u>Requirements</u>	None	
<u>Keywords:</u>	None	

Test Case CBTEST-82: Verify Minimap ticket color

<u>Author:</u>	admin	
<u>Summary:</u>	21.05.2015 Minimap ticket color should always be correct	
<u>Preconditions:</u>	1. User is logged in (seppo@mailinator.com/seppo12346) 2. User is "inside" a board	

3. User has 1 red ticket visible in the board

#:	Step actions:	Expected Results:
1	Open board "minimap" by clicking the X-like icon on top-right corner of the board	Minimap should expand and show one red block
2	Change ticket color to blue	Minimap block should turn to blue
<u>Execution type:</u>		Manual
<u>Estimated exec. duration (min):</u>		
<u>Priority:</u>		Medium
<u>Requirements</u>		None
<u>Keywords:</u>		None

Test Case CBTEST-405: Verify Edit ticket text

<u>Author:</u>		admin
<u>Preconditions:</u>		
User is logged in to contriboard and has board open. User creates one ticket.		
#:	Step actions:	Expected Results:
1	Click ticket	A dialog opens
2	Activate text field	Text field is activated
3	Change the text	Text is changed
4	Click Apply	Dialog closes and ticket text changes --> Pass
<u>Execution type:</u>		Manual
<u>Estimated exec. duration (min):</u>		
<u>Priority:</u>		Medium
<u>Requirements</u>		None
<u>Keywords:</u>		None

Test Case CBTEST-241: Verify Empty ticket creation

<u>Author:</u>		admin
<u>Summary:</u>		
22.05.2015		
Test how the board handles tickets created with empty content.		
<u>Preconditions:</u>		
User is logged in and created an board.		
#:	Step actions:	Expected Results:
1	Click create ticket.	Ticket create window should pop up.
2	Do not fill any fields, Click Create.	PASS: empty ticket is created. FAIL: ticket is not created or error.
<u>Execution type:</u>		Manual
<u>Estimated exec. duration (min):</u>		
<u>Priority:</u>		Medium
<u>Requirements</u>		None
<u>Keywords:</u>		None

Test Case CBTEST-93: Verify Ticket interaction with template change

<u>Author:</u>		admin
<u>Summary:</u>		
22.05.2015		
Test to prove that tickets work after changing the background		
<u>Preconditions:</u>		
User is logged in to Contriboard and created an board.		
#:	Step actions:	Expected Results:
1	Select a template (dont care which one)	Template loads properly
2	Create couple tickets	Tickets created properly
3	Switch template to anything else than the previous one	Template changes, tickets stay the same If tickets work properly -> PASS If tickets do something wonky -> FAIL
<u>Execution type:</u>		Manual
<u>Estimated exec. duration (min):</u>		
<u>Priority:</u>		Medium
<u>Requirements</u>		None
<u>Keywords:</u>		None

Test Case CBTEST-419: Verify Markdown text	
<u>Author:</u>	admin
<u>Summary:</u>	
Verify that markdown works as designed. Same as it would in word or anyother text editor.	
<u>Preconditions:</u>	
User is logged in, created an board and ticket is open.	
<u>Execution type:</u>	Manual
<u>Estimated exec. duration (min):</u>	
<u>Priority:</u>	Medium
<u>Requirements</u>	None
<u>Keywords:</u>	None

Test Case CBTEST-420: Verify that markdown works as designed.		
Author:	admin	
Summary:		
Verify that markdown works as designed. Same as it would in word or any other text editor.		
Markdown methods:		
# Heading1		
## Heading2		
### Heading3		
[link](http://example.com)		
lists: * and 1		
---example--- for &mdash		
Preconditions:		
User is logged in, created an board and ticket is open.		
#:	Step actions:	Expected Results:
1	Use markdown formatting and test that every "code" works	
Execution type:	Manual	
Estimated exec. duration (min):		
Priority:	Medium	
Requirements	None	
Keywords:	None	

Test Case CBTEST-426: Verify ticket reviewing		
Author:	admin	
Summary:		
Test to verify that ticket reviewing is working as it should.		
Preconditions:		
Account created, logged in and board created.		
#:	Step actions:	Expected Results:
1	Create three tickets with headers: Ticket1, Ticket2 and Ticket 3. Also add this content without quotes to each tickets: "Testaajallaainaraikaskossupullokuuomottelee repussaodotteleeetestaajaanauttimaansitäelämäneliksiiriä"	Tickets created and contents added
2	Choose different colors to each tickets: Ticket1=Blue, Ticket2=Yellow, Ticket3=Red.	Tickets have different colors
3	Open test enviroment to an other incognito window in your browser. Share board under testing and copy the link to your incognito browser. Enter board as a guest.	Board under test open in two browser windows.
4	Open ticket review in one of the browsers	Ticket review opened
5	Verify that ticket content is shown in review	Ticket content is being presented as it should.
6	Verify tickets have right colors in ticket review.	Tickets have right colors.
7	Open blue ticket in ticket review browser and use another incognito browser tab to write a comment to the blue ticket(Ticket1) while reviewing. As the comment is added it should also apply to the ticket review window in real time.	Comment added to ticket review when reviewing and commenting at the same time.
8	Verify that ticket navigation using arrows in left and right end of page are working	Navigation is working
9	Verify that ticket navigation using swipe is working using different types of devices (touchscreen, mouse etc)	Swipe feature is working
10	Exit ticket review feature using X button	Exit button is working
Execution type:	Manual	
Estimated exec. duration (min):		
Priority:	Medium	
Requirements	None	
Keywords:	None	

1.1.1.9.Test Suite : Export methods

Test Case CBTEST-20: Verify export JSON-file		
Author:	admin	
Summary:		
Date:	20.05.2015	
Comments:	Test that user can export JSON-file	
Preconditions:		
Your browser is open, you have logged in, created a board and you have opened the board.		
#:	Step actions:	Expected Results:
1	Press "Export board"-button	"Export board"-dialog opens
2	Choose JSON from dropbox.	"JSON" should be visible in dropbox
3	Press "Export"-button	Your browser should start downloading the file you exported. You couldnt download the file--> FAIL. You succesfully downloaded the file --> PASS.
Execution type:	Manual	
Estimated exec. duration (min):		
Priority:	Medium	
Requirements	None	
Keywords:	None	

Test Case CBTEST-18: Verify export CSV-file		
<u>Author:</u>	admin	
<u>Summary:</u>	Verify that you can export .CSV-file	
Date: 20.05.2015		
Comments:	Make sure that board sharing works, even with "old" URL.	
<u>Preconditions:</u>		
Your browser is open, you have logged in, created a board and you have opened the board.		
<u>#:</u>	<u>Step actions:</u>	<u>Expected Results:</u>
1	Press "Export board"-button	"Export board"-dialog opens
2	Choose CSV from dropbox.	"CSV" should be visible in dropbox
3	Press "Export"-button	Your browser should start downloading the file you exported. You couldnt download the file--> FAIL. You succesfully downloaded the file --> PASS.
<u>Execution type:</u>	Manual	
<u>Estimated exec. duration (min):</u>		
<u>Priority:</u>	Medium	
<u>Requirements</u>	None	
<u>Keywords:</u>	None	

Test Case CBTEST-407: Verify export dialog		
Author:	admin	
Summary:	22.05.2015	
Verify that export dialog shows up when user presses the "export"-button		
Preconditions:		
User is logged in and in board view.		
#:	Step actions:	Expected Results:
1	Press "export"-button	Pass = Export dialog shows. Fail = Export dialog does NOT show or error.
Execution type:	Manual	
Estimated exec. duration (min):		
Priority:	Medium	
Requirements	None	
Keywords:	None	

Test Case CBTEST-423: Verify image export		
<u>Author:</u>	admin	
<u>Summary:</u>	Verify that image export works in contriboard.	

<u>Preconditions:</u>		
User is logged in , created board and created few tickets on the board.		
<u>#:</u>	<u>Step actions:</u>	<u>Expected Results:</u>
1	Press "export"-button	export dialog opens
2	choose image from drop box and press export	file should start download.
3	Check that image exported matches users board	If picture looks the same as the board --> Pass If picture does not look the same as the board --> Fail
<u>Execution type:</u>	Manual	
<u>Estimated exec. duration (min):</u>		
<u>Priority:</u>	Medium	
<u>Requirements</u>	None	
<u>Keywords:</u>	None	

Test Case CBTEST-429: Verify ticket duplicate			
Author:	admin		
Summary:	This test verify's ticket cloning works.		
Preconditions:			
User is logged, created board and on the board view.			
#:	Step actions:	Expected Results:	
1	Create ticket	Ticket appears	
2	Open the ticket	Ticket opens	
3	Write something on the ticket.	Text appears.	
4	Press duplicate ticket.	Pass --> Ticket duplicates with the same text on it. Fail --> something else	
Execution type:	Manual		
Estimated exec. duration (min):			
Priority:	Medium		
Requirements	None		
Keywords:	None		

1.1.1.10.Test Suite : Commenting System

Test Case CBTEST-421: Verify adding comment		
Author:	admin	
Summary:		
Verify that user can add a comment to a ticket.		
Preconditions:		
User is logged in, opened an board, created an ticket and opened it.		
#:	Step actions:	Expected Results:
1	Write something in to the comment field.	Text should apper in the textfield
2	Press "Add Comment"-button.	Comment should be added below and show user, comment and timestamp.
Execution type:	Manual	
Estimated exec. duration (min):		
Priority:	Medium	
Requirements	None	
Keywords:	None	

1.1.1.11.Test Suite : Guest User

Test Case CBTEST-247: Verify guest live viewing works			
Author:	admin		
Summary:	Verify that guests can view changes made to a board live.		
Test Configuration:			
Windows 7			
Chrome 40.*			
Preconditions:			
Contribboard open in browser, logged with credentials testaja@grr.la/salasana, with the board "Testilauta" open.			
Same board open in another browser, opened via guest access.			
#:	Step actions:	Expected Results:	
1	Create new ticket as the logged in user.	A ticket appears in the guest view.	
2	Move the ticket.	The ticket moves in the guest view.	
3	Change the name of the ticket.	The name is changed in the guest view.	

4	Delete the ticket.	Ticket vanishes from the guest view.
<u>Execution type:</u>	Manual	
<u>Estimated exec. duration (min):</u>		
<u>Priority:</u>	Medium	
<u>Requirements</u>	None	
<u>Keywords:</u>	None	

Test Case CBTEST-40: Verify Guest can edit the color of a ticketAuthor: adminSummary:
Date: 18.02.2015Comments:
Make sure guest can edit colors of the ticketsEnd State:
A ticket color has been editedPreconditions:

User created an board as logged user in normal tab and user logged in as quest with incognito tab to shared link in the same board.

#:	<u>Step actions:</u>	<u>Expected Results:</u>
1	Select a ticket which color you want to change	Contribboard should show the ticket edit menu
2	Choose a color from the color palette	Contribboard should display the change immediately
3	Click the "apply"-button to save the changes	Ticket color should be now changed Couldn't edit a ticket color --> FAIL. A ticket color has been changed --> PASS.
<u>Execution type:</u>	Manual	
<u>Estimated exec. duration (min):</u>		
<u>Priority:</u>	Medium	
<u>Requirements</u>	None	
<u>Keywords:</u>	None	

Test Case CBTEST-41: Verify Guest can edit the name of a ticketAuthor: adminSummary:
Date: 22.05.2015Comments:
Make sure guest can edit names of the ticketsEnd State:
A ticket name has been editedPreconditions:

User created an board as logged user in normal tab and user logged in as quest with incognito tab to shared link in the same board.

#:	<u>Step actions:</u>	<u>Expected Results:</u>
1	Select the ticket which description you want to edit	Contribboard should show the menu for the ticket
2	Click the ticket name and edit it	Success
3	Click the "apply"-button to save changes	The name is now changed on the board Couldn't edit a ticket name --> FAIL. A ticket has been renamed --> PASS.
<u>Execution type:</u>	Manual	
<u>Estimated exec. duration (min):</u>		
<u>Priority:</u>	Medium	
<u>Requirements</u>	None	
<u>Keywords:</u>	None	

Test Case CBTEST-42: Verify Guest can delete a ticketAuthor: adminSummary:
Date: 22.05.2015Comments:
Make sure guest can delete a ticketEnd State:
The board should be forever ticketPreconditions:

User created an board as logged user in normal tab and user logged in as quest with incognito tab to shared link in the same board.

#:	<u>Step actions:</u>	<u>Expected Results:</u>
1	Press the "tick"-button	More option should be available at the top bar
2	Press the "trashbin"-button	Deletion-menu should show up
3	Press "delete"-button	Ticket should now be deleted from board The ticket wasn't deleted --> FAIL. The ticket was deleted forever --> PASS.
<u>Execution type:</u>	Manual	

<u>Estimated exec. duration (min);</u>	
<u>Priority;</u>	Medium
<u>Requirements</u>	None
<u>Keywords;</u>	None

Test Case CBTEST-43: Verify Guest can access a board

<u>Author:</u>	admin	
<u>Summary:</u>	Date: 18.02.2015	
<u>Comments:</u>	Make sure guest can access a board	
<u>End State:</u>	Guest is in the board	
<u>Preconditions:</u>	A board has been created Guest has the shared-link to the board	
<u>#;</u>	<u>Step actions:</u>	<u>Expected Results:</u>
1	Enter the shared-link to your web-browser	You should see the log in for guests
2	Enter a name and press the "sign in"-button	You should see the board-view Guest cannot access a board --> FAIL. Guest can access a board --> PASS.
<u>Execution type:</u>	Manual	
<u>Estimated exec. duration (min);</u>		
<u>Priority;</u>	Medium	
<u>Requirements</u>	None	
<u>Keywords:</u>	None	

1.1.1.12.Test Suite : Help Layer**Test Case CBTEST-415: Verify Help Layer works**

<u>Author:</u>	admin	
<u>Execution type:</u>	Manual	
<u>Estimated exec. duration (min);</u>		
<u>Priority;</u>	Medium	
<u>Requirements</u>	None	
<u>Keywords:</u>	None	

Test Case CBTEST-416: Verify Help Layer works with different browsers/device

<u>Author:</u>	admin	
<u>Execution type:</u>	Manual	
<u>Estimated exec. duration (min);</u>		
<u>Priority;</u>	Medium	
<u>Requirements</u>	None	
<u>Keywords:</u>	None	

Test Case CBTEST-417: Verify slide

<u>Author:</u>	admin	
<u>Execution type:</u>	Manual	
<u>Estimated exec. duration (min);</u>		
<u>Priority;</u>	Medium	
<u>Requirements</u>	None	
<u>Keywords:</u>	None	

1.1.1.13.Test Suite : New Cases**Test Case CBTEST-437: Verify blaa blaa blaa**

<u>Author:</u>	admin	
<u>Summary:</u>	lorem ipsum lorem ipsum lorem ipsum lorem ipsum	
<u>Preconditions:</u>	1. adsf 2. asdfas 3. asdf	
<u>#;</u>	<u>Step actions:</u>	<u>Expected Results:</u>
1	Step 1	Verify?
2	Step 2	Verify ?
3		
<u>Execution type:</u>	Manual	
<u>Estimated exec. duration (min);</u>		
<u>Priority;</u>	Medium	
<u>Requirements</u>	None	
<u>Keywords:</u>	None	

1.1.2.Test Suite : Non-Functional testing

1.1.2.1.Test Suite : Performance testing

Test Case CBTEST-138: Board Creation Load Test (10000)	
<u>Author:</u>	admin
<u>Summary:</u>	
Module Name: _	
Dependencies: None	
Requirements: Selenium, TestNG, BoardLoadTest10000.java (and Apache Maven for auto.reg.)	
Test Data: Existing credentials: testuser001@mailinator.com:salasana1	
Test Summary: Load test for creating 10 000 Boards to Contriboboard.	
<u>Preconditions:</u>	
Pre-condition:	
Post-condition:	
Test Execution: Run with Maven	
<code>mvn clean test -Dwebdriver.base.url=http://contriboboard.n4sjamk.org/</code>	
Pass / Fail: Monitor the results from TestNG Result Web Page	
Expected Result: Site response times are low and there are no timeouts	
<u>Execution type:</u>	Automated
<u>Estimated exec. duration (min):</u>	10.00
<u>Priority:</u>	High
<u>Requirements</u>	None
<u>Keywords:</u>	None

Test Case CBTEST-139: User Load Test (200)	
<u>Author:</u>	admin
<u>Summary:</u>	
Module Name: _	
Dependencies: None	
Requirements: Selenium, TestNG, LoadTest200.java (and Apache Maven for auto.reg.)	
Test Data: Existing credentials: <testuser<NNN>@mailinator.com> [001-200]	
Test Summary: Simulate load of 200 users on the site.	
<u>Preconditions:</u>	
Pre-condition:	
Post-condition:	
Test Execution: Run with Maven	
<code>mvn clean test -Dwebdriver.base.url=http://contriboboard.n4sjamk.org/</code>	
Pass / Fail: Monitor the results from TestNG Result Web Page	
Expected Result: Site response times are low and there are no timeouts	
<u>Execution type:</u>	Automated
<u>Estimated exec. duration (min):</u>	10.00
<u>Priority:</u>	High
<u>Requirements</u>	None
<u>Keywords:</u>	None

1.1.2.2.Test Suite : Usability testing

Test Case CBTEST-434: Usability Checklist	
<u>Author:</u>	admin
<u>Execution type:</u>	Manual
<u>Estimated exec. duration (min):</u>	
<u>Priority:</u>	Medium

<u>Requirements</u>	None
<u>Keywords:</u>	None

1.1.2.3.Test Suite : Stability testing

Test Case CBTEST-430: Stability Test Bench - Vagrant	
<u>Author:</u>	admin
<u>Execution type:</u>	Manual
<u>Estimated exec. duration (min):</u>	
<u>Priority:</u>	Medium
<u>Requirements</u>	None
<u>Keywords:</u>	None

1.1.2.4.Test Suite : Load Testing

Test Case CBTEST-431: Locust Load Generation	
<u>Author:</u>	admin
<u>Summary:</u>	
https://github.com/N4SJAMK/locust-contribboard	
<u>Execution type:</u>	Manual
<u>Estimated exec. duration (min):</u>	
<u>Priority:</u>	Medium
<u>Requirements</u>	None
<u>Keywords:</u>	None

1.1.2.5.Test Suite : Stress Testing

Test Case CBTEST-433: Stressing with Noise Generator	
<u>Author:</u>	admin
<u>Summary:</u>	
https://github.com/N4SJAMK/contribboard-noise-tester	
<u>Execution type:</u>	Manual
<u>Estimated exec. duration (min):</u>	
<u>Priority:</u>	Medium
<u>Requirements</u>	None
<u>Keywords:</u>	None

Execution time metrics

Estimated time for executing 97 test cases (hours):1.72

Time used for executing 14 test cases (min):28