



Lofo Test Plan

CS408

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Functional

- A. Login 001, Login with right Purdue account, Severity 1
- B. Enter the right Purdue account name and password in the homepage, then click 'log in'
- C. The login page should show up with 'Login successful' dialog, then automatically redirect to the default map page.

- A. Login 002, Login with wrong account information, Severity 1
- B. Enter nothing and click 'log in' directly.
- C. The input field become red and show up text 'Please enter account information'

- A. Login 003, Login without enter account information, Severity 1
- B. Enter the wrong Purdue account name and password in the homepage, then click 'log in'
- C. The input field become red and show up text 'Can not verify your Purdue account, please enter the correct Purdue account information'

- A. Logout 001, Logout out the account, Severity 2
- B. Click 'Logout' button in the main page
- C. Show dialog 'Successful logout' for 10 seconds, then automatically redirect to login page.

- A. Logout 002, Logout out the account, Severity 2
- B. Click 'Logout' button in the main page
- C. After successful logout, the user should not be able to visit any pages, including back, he/she will only be redirected to login page.

- A. CreatePost 001, create new post correctly, Severity 1

B. Click 'Create new post' button, then enter all information correctly, then click 'Submit' button

C. Redirect to create post page after click 'Create new post' button, show up 'Post successful created' dialog for 5 seconds (if all information entered correctly), then automatically redirect to my history page.

A. CreatePost 002, create new post without enter all information, Severity 2

B. Click 'Create new post' button, then do not or enter a part information, then click 'Submit' button

C. Redirect to create post page after click 'Create new post' button. After click 'Submit' button, required but not entered input files become red, show up 'Please enter required information' text hint. (Please note the image is not a required input, but we will show up text hint 'We encourage poster upload item image under 20MB')

A. CreatePost 003, cancel after start create post, Severity 2

B. Click 'Create new post' button, then click 'Cancel' button

C. Redirect to create post page after click 'Create new post' button. Go back the main page after click 'Cancel' button without creat a new post.

A. UploadImage 001, upload image under 20MB, Severity 2

B. When in the create post page, click 'Upload image' image button, select an image file under 20MB, click 'confirm' button.

C. System (Windows/Mac OS) default file manager show up after click 'Upload image' image button, with file extensions limited to '.png' and '.jpg'. After click 'confirm' button, file manager disappear and image add to post.

A. UploadImage 002, upload image using mobile browser, Severity 2

B. When in the create post page, click 'Upload image' image button.

C. A dialog would show up 'Sorry, we don't upload image through mobile device.' with 'Got it' button, dialog disappear after user click 'Got it' button.

A. Map 001, Default Map, Severity 1.

B. Sign in to the application

C. The map in range of Purdue shows grouped points for both lost and found posts by default.

A. Map 002, View by tag, Severity 2.

B. Click on the 'tag' filter, confirm selection, click on the 'update' button.

C. The map shows grouped points for posts belongs to the selected tag.

- A. Map 003, View by lost or found, Severity 2.
- B. Click on the 'Lost&Found' filter, confirm selection, click on the 'update' button.
- C. The map shows grouped points for lost posts or found posts, depending on choice.

- A. Map 004, date selection, Severity 3.
- B. Click on the 'start-date' and then 'end-date', pick dates from the pop-up calendars in order.
- C. The sections of 'start-date' and 'end-date' shows the correct dates selected.

- A. Map 005, View by time interval, Severity 2.
- B. Select 'start-date' and 'end-date', click on the 'update' button.
- C. The map shows groups points for posts created between these two dates.

- A. Map 006, group points, Severity 3.
- B. Zoom out the map, points nearby group and form a grouped point.
- C. Points close group and form a grouped point with number of posts on it.

- A. Map 007, ungroup points, Severity 3.
- B. Zoom in the map.
- C. Grouped points ungroup into points of accurate location.

- A. List 001, List load, Severity 1.
- B. Click on the grouped point on a building with 1~20 posts.
- C. A list containing posts of this building pops up.

- A. List 002, Post detail, Severity 2.
- B. Click on a post.
- C. A pop-up window with detailed information appears.

- A. List 003, Load excessive posts, Severity 2.
- B. Click on the grouped point on a building with more than 20 posts, then scroll down.
- C. More posts will be loaded if exist.

- A. List 004, Load null posts, Severity 2.
- B. Click on the grouped point on a building without posts.
- C. A empty list pops up.

- A. HistoryPage 001, User's post history display, Severity 2

B. Log in an account with a few history posts (for example,3 history posts), and click on the “My History” button on the Main Map

C. The browser is able to open a new page with a list of the user’s post history, with “edit” button and “delete” button at the rightmost part of each post record.

A. HistoryPage 002, Zero post history display, Severity 2

B. Log in an account with zero history posts, and click on the “My History” button on the Main Map

C. The browser is able to open a new page with a list of the user’s post history. There is no post records displayed in the list.

A. HistoryPage 003, Excessive post history display, Severity 2

B. log in an account with a excessive history posts(for example,50 history posts), and click on the “My History” button on the Main Map

C. The browser is able to open a new page with a list of the user’s post history. The page should be full of post records with “edit” button and “delete” button at the rightmost part. After scrolling down the page, the excessive posts records are displayed.

A. HistoryPage 004, History posts edit, Severity 1

B. On “My History” page, click on the “Edit” button of a post record.

C. A pop-up with the detail information of the post should appear, getting ready for users to modify the detail information of the post.

A. HistoryPage 005, History posts delete, Severity 1

B. On “My History” page, click on the “Delete” button of a post record.

C. A confirm dialog should appear, asking users for confirmation to delete the post or cancel the delete action.

A. PostEdit 001, Add picture to a post, Severity 2

B. When editing a history post without picture, click “Choose a picture” ,select a image from the computer and confirm the selection. Then click the “Update” button on the pop-up.

C. A prompt box should appear , telling user the updation is completed. The post has to be updated with a picture.

A. PostEdit 002, Remove picture from a post, Severity 2

B. When editing a history post with a picture, click “remove picture” button. Then click the “Update” button on the pop-up.

C. A prompt box should appear , telling user the update is completed. The post has to be updated without pictures.

A. PostEdit 003, Add description to a post case 1, Severity 2

B. When editing a history post without description, add some text in the description text box. Then click the “Update” button on the pop-up.

C. A prompt box should appear, telling user the update is completed. The post has to be updated with additional description.

A. PostEdit 004, Add description to a post case 2, Severity 2

B. When editing a history post with description, add some text in the description text box. Then click the “Update” button on the pop-up.

C. A prompt box should appear, telling user the update is completed. The post has to be updated with additional description.

A. PostEdit 005, Remove description from a post case 1, Severity 2

B. When editing a history post with description , partially remove the text in the description text box. Then click the “Update” button on the pop-up.

C. A prompt box should appear , telling user the updation is completed. The post has to be updated with less description.

A. PostEdit 006, Remove description from a post case 2, Severity 2

B. When editing a history post with description , remove all the text in the description text box. Then click the “Update” button on the pop-up.

C. A prompt box should appear , telling user the updation is completed. The post has to be updated with no description.

A. PostEdit 007, Add contact information to a post case 1, Severity 2

B. When editing a history post without contact information, add some text in the contact information text box . Then click the “Update” button on the pop-up.

C. A prompt box should appear, telling user the updation is completed. The post has to be updated with additional contact information.

A. PostEdit 008, Add contact information to a post case 2, Severity 2

B. When editing a history post with contact information, add some text in the contact information text box. Then click the “Update” button on the pop-up.

C. A prompt box should appear, telling user the updation is completed. The post has to be updated with additional contact information.

A. PostEdit 009, Remove contact information from a post case 1, Severity 2

B. When editing a history post with contact information, partially remove the text in the contact information text box .Then click the “Update” button on the pop-up.
C. A prompt box should appear, telling user the updation is completed. The post has to be updated with less contact information.

A. PostEdit 010, Remove contact information from a post case 2, Severity 2
B. When editing a history post with contact information, remove all the text in the contact information text box.Then click the “Update” button on the pop-up.
C. A prompt box should appear, telling user the update is completed. The post has to be updated with no contact information.

A. PostEdit 011, Add item tag to a post case 1, Severity 2
B. When editing a history post without item tag, select tags in the tag checkbox. Then click the “Update” button on the pop-up.
C. A prompt box should appear, telling user the updation is completed. The post has to be updated with additional item tag.

A. PostEdit 012, Add item tag to a post case 2, Severity 2
B. When editing a history post with one or more item tags, select tags in the tag checkbox. Then click the “Update” button on the pop-up.
C. A prompt box should appear , telling user the updation is completed. The post has to be updated with additional item tag.

A. PostEdit 013, Remove item tags from a post case 1, Severity 2
B. When editing a history post with item tags, partially deselect the tags in the tag checkbox .Then click the “Update” button on the pop-up.
C. A prompt box should appear , telling user the updation is completed. The post has to be updated with less item tags.

A. PostEdit 014, Remove item tags from a post case 2, Severity 2
B. When editing a history post with item tags, deselect all the tags in the tag checkbox .Then click the “Update” button on the pop-up.
C. A prompt box should appear , telling user the updation is completed. The post has to be updated with no item tags.

A. PostEdit 015, Zero modification update, Severity 3
B. When editing a history random post, click the “Update” button on the pop-up without making any modification.

C. A prompt box should appear , telling user the updation is completed. The post has to remain the same.

A. PostDelete 001, Post deletion confirm, Severity 2

B. After clicking the “Delete” button of a post, click “confirm” button in the confirm dialog.

C. A prompt box should appear , telling user the the post has already been deleted. The post should be removed from the history page and the Main Map.

A. PostDelete 002, Post deletion cancel, Severity 2

B. After clicking the “Delete” button of a post, click “cancel” button in the confirm dialog.

C. The confirm dialog disappears and the page remains the same. No posts should be deleted.

A. ExpiredPage 001, Load page, Severity 1

B. Click on the “Expired/Solved” button on Index.

C. The user should be navigated to a page that has a list of only expired and solved posts. Ongoing posts should not be listed there.

A. ExpiredPage 002, Load posts, Severity 2

B. Click on the “Expired/Solved” button on the Index.

C. The first 20 posts should be loaded and shown on the list.

A. ExpiredPage 003, Load excessive posts, Severity 3

B. Move the scroll bar on the list to the bottom.

C. The next 20 posts should be loaded and shown on the list.

A. ExpiredPage 004, Load zero posts, Severity 3

B. Click on the “expired/Solved” button on the Index.

C. If there is less than 20 posts, only the valid posts should be displayed and there should be no empty posts.

A. ExpiredOrSolved 001, Get post detail, Severity 2

B. Click on a expired or solved post.

C. A pop-up should appear which contains detailed information about this post.

A. ExpiredOrSolved 002, Contact information security, Severity 3

B. Click on a expired or solved post.

C. A pop-up should appear which contains detailed information about this post, but the contact information should be hidden

A. ExpiredOrSolved 003, MiniMap, Severity 3

B. Click on a expired or solved post.

C. A pop-up should appear which contains a minimap which shows the location that the item is lost or found

A. ExpiredOrSolved 004, Report Falsely Claim, Severity 2

B. Click on a expired or solved post. Then click on “report” button.

C. A pop-up should appear which requires the user to give some detail information. Then the developers should receive an E-mail about this report.

A. Verification 001, Solve a post, Severity 1

B. Click on “Solved” button on the user’s found post.

C. A pop-up will appear to require the owner or founder to enter his/her Purdue Account.

A. Verification 002, Verify Identity, Severity 2

B. Enter a valid Purdue Account into the textarea and click “submit”

C. A dialog will appear to tell the user that the post has been successfully solved and user will be redirected to Index.

A. Verification 003, Enter invalid Purdue Career Account, Severity 2

B. Enter an invalid Purdue Account into the textarea and click “submit”.

C. A dialog will appear to tell the user that the Purdue Account he entered is invalid.

A. Verification 004, Change post status, Severity 2

B. Enter a valid Purdue Account into the textarea and click “submit”.

C. The status of the post should be changed to “solved”.

A. Verification 005, Store data, Severity 3

B. Enter a valid Purdue Account into the textarea and click “submit”.

C. The information of the post, owner, and founder will be put into a table in database.

Non-functional

A. Security 001, Expired post, Severity 2

B. Set a post’s expired time to 10 minutes before now, then open the map, also check the expired page.

C. The expired post should not be displayed in the map, and it should be seen in the expired page.

- A. Appearance 001, Use app in mobile device browser, Severity 2
- B. Use all functions in mobile device browser (Safari, Chrome).
- C. All function should work with no problem and web page should keep normal size.

- A. Appearance 002, Use app in desktop/laptop browser , Severity 2
- B. Use all functions on a desktop/laptop (Safari, Chrome, Edge).
- C. All function should work with no problem and web page should keep normal size.

- A. Reliability 001, 2 users online, Severity 1
- B. Use 2 accounts to keep login at the same time.
- C. The web page shouldn't crash.

- A. Reliability 002, 5 users online, Severity 1
- B. Use 5 accounts to keep login at the same time.
- C. The web page shouldn't crash.

- A. Reliability 003, 10 users online, Severity 1
- B. Use 10 accounts to keep login at the same time.
- C. The web page shouldn't crash.

- A. Reliability 004, Searching responding time, Severity 3
- B. Adjust filters so that the search result will be one building with 40 posts.
- C. The responding time should be within 10 seconds.

- A. Reliability 005, Searching responding time, Severity 3
- B. Adjust filters so that the search result will be 3 building, and each one has 40 posts.
- C. The responding time should be within 10 seconds.