

Links - Project Management Document

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Links

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Version

Sl. No.	Date.	Version No.
1	10/04/2014	1

Project Plan

This is where the Project plan will come.

Testing Strategy

Below are the usecases and the testing strategies for each of the use cases.

Abbreviations

Below are the abbreviations used in this section.

1. LAU – Links API user
2. LU – Links user
3. L - Links

Use Cases, Scenarios and the Test Cases

Below are the list of use cases, scenarios and the test cases for the project “Links”

1. Login
 - (a) Sequence 1
 - i. LU: Clicks on login link.
 - ii. L: Presents the login page.
 - iii. LU: Enters user name and password.
 - iv. L: Displays the message that the user has been logged in.

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Expected Result: Successful login of the user with valid credentials.

(b) Sequence 2: At step iv of Sequence 1

- i. L: Display message that the authentication details are incorrect.

Expected Result: Successfully preventing the login of the user with invalid credentials.

2. Logout

(a) Sequence 1

- i. LU: Clicks on logout link.

- ii. Links: Displays message that the user has been logged out.

Expected Result: Successful logout of the user.

3. Authentication

(a) Sequence 1

- i. LUA: Requests for an authenticated session.

- ii. L: Asks for authentication details from the LU.

- iii. LU: Provides username and password.

- iv. L: Provides the LUA with an authenticated session.

Expected Result: Successful authentication of the user and the session is saved in the server.

(b) Sequence 2: At step iv of Sequence 1

- i. L: Indicates that authentication details are incorrect

Expected Result: Successful rejection of the user with invalid credentials and redirecting the user to login page.

4. Sign up

(a) Sequence 1

- i. LU/LAU: Requests a “Sign up” operation.

- ii. L: Asks for details regarding the user.

- iii. LU/LAU: Provides relevant details.

- iv. L: Confirms account creation pending email verification.

- v. LU: Verifies through email.

- vi. L: Confirms account creation.

Expected Result: Successful signup of the new user.

(b) Sequence 2: At step iv of Sequence 1

- i. L: Points out inconsistencies in entry of user details.

Expected Result: Cancellation of the signup of the user.

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5. Account management

(a) Sequence 1

- i. LU/LAU: Requests a “Modify account” operation after logging in or after authentication.
- ii. L: Return account details.
- iii. LU/LAU: Modifies details and requests an “Update” operation.
- iv. L: Confirm update of account details.

Expected Result: Successful update of the attributes of the user upon authentication.

6. Bookmark Management

(a) Sequence 1

- i. LAU/LU: Specifies an “Add Bookmark” operation after authentication/logging in.
- ii. L: Asks for new bookmark details.
- iii. LU/LAU: Populate the data and submits.
- iv. L: Confirms addition of new links.

Expected Result: Successfully adding the bookmark and associating it with the user.

(b) Sequence 2

- i. LAU/LU: Specifies an “Update Bookmark” operation along with details of an associated bookmark after authentication/logging in.
- ii. L: Presents existing data about the bookmark.
- iii. LU: Modifies details and submits.
- iv. L: Confirms update.

Expected Result: Successful update the attributes of the bookmark.

(c) Sequence 3

- i. LU: Specifies a “Delete Bookmark” operation along with details of an associated bookmark after authentication/logging in.
- ii. L: Confirms deletion of bookmark.

Expected Result: Successful delete the bookmark of the user.

7. Search bookmarks

(a) Sequence 1

- i. LU/LAU: Specifies a “Search” operation along with search keywords.
- ii. L: Presents bookmarks satisfying the search criteria.

Expected Result: Successful return the matched bookmarks to the query the user.

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8. Share bookmarks

(a) Sequence 1

- i. LU/LUA: Specifies “Share bookmarks operation” after authentication/logging in.
- ii. L: Asks for list of bookmarks to share and for medium to share through – email, Facebook, Twitter, groups.
- iii. LU: Specifies list of bookmarks and a sharing medium.
- iv. L: Shares bookmarks through the selected medium.

Expected Result: Successful share the bookmarks on different platforms.

9. Group management

(a) Sequence 1

- i. LU/LUA: Requests a “Create Group” operation after authentication/logging in.
- ii. L: Asks for relevant details.
- iii. LU/LUA: Provides relevant details.
- iv. L: Confirms creation of group.

Expected Result: Successfully create a group and associate it to the user.

(b) Sequence 2

- i. LU/LUA: Requests a “Remove from group” operation for a particular user after logging in / authentication.
- ii. L: Confirms removal of member from the group.

Expected Result: Successfully remove a member from the group.

(c) Sequence 3

- i. LU/LUA: Requests a “Add to group” operation after logging in / authentication.
- ii. L: Asks for user name and group.
- iii. LU/LUA: Submits information.
- iv. L: Confirms addition to group.

Expected Result: Successfully add a member to a group.

(d) Sequence 4

- i. LU/LUA: Requests a “Join to group” operation after authentication/logging in.
- ii. L: Asks for group name.
- iii. LU/LUA: Submits information.
- iv. L: Confirms subscription.

Expected Result: Successfully send a request to join a group.

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(e) Sequence 5

- i. LU/LUA: Requests for an “Unjoin group” operation after logging in / authentication.
- ii. L: Asks for group name.
- iii. LU/LUA: Submits information.
- iv. L: Confirms removal from specified group.

Expected Result: Successfully unjoin from a group.