Links - Project Management Document

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Team Members

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Supervisor

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Version

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

Project Plan with Activity List

The activity list is as below.

Formulation of the problem

1. Estimated time - 20 + 20 ours

2. Dates - 1st February to 21 February 2014

3. Responsible members - Abhijith Madhav, Arjun S Bharadwaj

Designing a solution, documentation

1. Estimated time - 40 + 40 hours

2. Dates - 22nd February to 5th May 2014

3. Responsible members - Abhijith Madhav, Arjun S Bharadwaj

Relevant learning

1. Estimated time - 40 + 40 hours

2. Dates - 1st February to 5th February 2014

3. Responsible members - Abhijith Madhav, Arjun S Bharadwaj

Coding and unit testing

1. Estimated time - 40 + 40 hours

2. Dates - 5th May to 20th May 2014

3. Responsible members - Abhijith Madhav, Arjun S Bharadwaj

Documentation

1. Estimated time - 20 + 20 hours

2. Dates - 1st February to June 30th 2014

3. Responsible members - Abhijith Madhav, Arjun S Bharadwaj

Testing

1. Estimated time - 5 + 5 hours

2. Dates - 21st May to 23rd May 2014

3. Responsible members - Abhijith Madhav, Arjun S Bharadwaj

Reviews

1. Estimated time - 5 + 5 hours

2. Dates - 23rd to 25th May 2014

3. Responsible members - Abhijith Madhav, Arjun S Bharadwaj

Re-work and de-bugging

1. Estimated time - 40 + 40 hours

2. Dates - 26th May to 15th June 2014

3. Responsible members - Abhijith Madhav, Arjun S Bharadwaj

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.

       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.

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.

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.

(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.