

### **Unit Tests (Extension):**

\*Note that urls are not checked for validation upon upload

#### 1) Scenario ( Login Test ):

1. Click Crossover Extension;
2. Select 'username' , type [demo@gmail.com](mailto:demo@gmail.com);
3. Select 'password' , type demo.
4. Click Submit.

User should see all their tab groups and be able to save current tabs, add tab(s) manually .

Result: We were able to see my tab groups, add / save current tabs functionalities.

#### 2) Scenario ( Adding a single Tab Manually ):

1. Login (Scenario 1);
2. Click 'Add Tab'
3. Select 'URL'
4. Input 'test1234.com'
5. Select 'test1234' tab group
6. Click 'Add it!'

User should be able to see their new tab in their specific tab group.

Result: We were able to see the tab 'test1234.com' in the tab group 'test1234'.

#### 3) Scenario ( Adding Tabs Manually ):

1. Do Scenario 2
2. Click 'Add Tab'
3. Select 'Title'
4. Input 'test again'
5. Select 'test1234' tab group
6. Click 'Add it!'

User should be able to see the previous tab and tab 'test again' in 'test1234' tab group

Result: We were able to see both tab, 'test1234.com', and 'test again' in the tab group 'test1234'.

#### 4) Scenario ( Adding a group ):

1. Login (Scenario 1);
2. Click 'Add group'
3. Select 'group name'
4. Input 'anime'
5. Click 'Add it!'

User should be able to see their new tab group in their main page.

Result: We were able to see the tab group 'anime' in the main page.

5) Scenario ( save some opened urls ):

1. Login (Scenario 1);
2. Click 'Save some'
3. Select 'anime' tab group
4. Input 'test1234.com'
5. Select 'reddit: the front page of the internet' tab
6. Click 'Add some!'

User should be able to see their new tab in their specific tab group.

Result: We were able to see the tab 'reddit' in the tab group 'test1234'.

6) Scenario ( save all urls):

1. Login (Scenario 1);
2. Click 'Save all'
3. Select 'anime' tab group
4. Click 'Add all!'

User should be able to see all their tabs that exist in their browser in the tab group 'anime'

Result: We were able to see all the tabs in the tab group 'anime'

7) Scenario ( Tab Group Functionality (Add Tab) ):

1. Login (Scenario 1);
2. Click on a tab group (anime)
3. Click 'Add Tab'
4. Select 'title'
5. Input 'hello'
6. Select 'url'
5. Input 'hello.com'
6. Select 'Anime'
7. Click 'Add it!'

User should be able to see their new tab in their specific tab group.

Result: We were able to see the tab 'hello' in the tab group 'anime'.

8) Scenario ( Tab Group Functionality (All Tabs) ):

1. Login (Scenario 1);
2. Click on a tab group (anime)
3. Click 'All Tabs'

User should be able to see all of their tabs opened in the browser

Result: We were able to see all the tabs open in the chrome browser.

9) Scenario ( Tab Group Functionality (Some Tabs) ):

1. Login (Scenario 1);
2. Click on a tab group (anime)
3. Click 'Some Tabs'
4. Click 'Reddit'
6. Click 'Google'
7. Click 'Open Selected''

User should be able to see their selected tabs open in their browser.

Result: We were able to see the tab 'google' and 'reddit' open in the browser.

10) Scenario ( User login Cache ):

1. Login (Scenario 1);
2. Exits Chrome

User should not have to login again..

Result: We were required to login every time we click away from the extension.

## **Unit Tests (Android App):**

### 1) Scenario ( Saving Tabs ):

1. Click "New Tab" button
2. Select 'title' , type "sports";
3. Select 'Enter a valid URL' , type "espn.com".
4. Click Save.

User should be redirected to current group with the new URL added.

Result: New tab successfully saved but did not appear immediately. Had to reclick group for tab to appear.

### 2) Scenario ( Open All Tabs in a Group ):

1. Click "Open All" button";
2. Select 'username' , type [demo@gmail.com](mailto:demo@gmail.com);
3. Select 'password' , type demo.
4. Click Submit.

User should see all their tabs in a group. User should have option to open all. All tabs should open in selected browser.

#### Test 1) (No internet connection)

Result: After selecting browser all the tabs were opened in google chrome as expected (Couldn't load pages because not connected to internet).

Bug: But when I returned back to the App the following message appeared: "Unfortunately, Crossover has stopped". Couldn't go back to my "Home Group" page. I went back to the app and "Loading your tabs" message appears followed the app closing and the reappearance of "Unfortunately, Crossover has stopped". Trouble getting back on app. Problem: Need to be connected to network.

#### Test 2) (Connected to internet)

Result: Tabs opened as expected. No issue going back to app.

### 3) Scenario ( Open Specific Tabs in a Group ):

1. Click "Select Urls" button;
  2. Select tabs I want to open
  3. Select 'Open Selected URLs" button
- User should see selected tabs open in webpage.

Result: Tabs opened in web page as expected.

### 4) Scenario ( Add Group ):

1. Click "New Tab Group" button;

2. Select 'Tab Group Title' , type email;
  3. Select 'Confirm' button
- User should see new tab group in sidebar

Result: Group successfully saved and added to the navigational sidebar

5) Scenario ( Delete Tab Group ):

1. Select "Tab Group" sidebar
  2. Select "Delete Tab Group" button from overflow menu
  3. Select 'Open Selected URLs" button
- User should not see selected tab group anymore in sidebar

Result: Tab Group successfully deleted from my groups

6) Scenario (Moving the Tabs)

1. Went onto "Another" Tab Group
  2. Click the movement icon for 1st Google tab. (Note that there is two Google tabs)
  3. Drag it to the bottom
- User should have the 1st Google tab move to the bottom.

Result: The Google tab does not move around. If there is more than one of the same named tab, they cannot move.

7) Scenario (Delete Tab)

1. Swipe the tab. Get the prompt of Delete Tab, or Undo the Delete

Test 1: Swipe the tab again to have it officially deleted

Result: Successfully delete the tab

Test 2: Click the undo button

Result: The tab does not get delete

8) Scenario (Login and Logout)

1. Select 'username' , type [demo@gmail.com](mailto:demo@gmail.com);
2. Select 'password' , type demo.

User logs in successfully, and see their tabs and tabs group

Result: User logs in successfully

1. Clicks the 3 dots at the right
2. Click the logout

User logout out successfully, and is back on the login screen.

Result: User logout out successfully



### **Unit Tests (Website):**

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#### 1) Scenario (create an Account):

1. Went to the website: <http://crossoverdev.parseapp.com/overview>
  2. Clicked the login button
  3. Click the "Here" text
  4. Clicked the "Email address" textbox and wrote: demo@fake.com
  5. Clicked the "Password" textbox and wrote: demo
  6. Clicked the "Confirm Password" textbox and wrote: demo
- User should.

Result: The Overview page is displayed

#### 2) Scenario (Login Test):

1. Went to the website: <http://crossoverdev.parseapp.com/overview>
  2. Clicked the login button
  3. Clicked the "Email address" textbox and wrote: demo@fake.com
  4. Clicked the "Password" textbox and wrote: demo
  5. Clicked the sign in button
- User should be taken to the Overview page of the website

Result: The Overview page is successfully displayed.

#### 3) Scenario (Create new Tab Group):

1. Click the "New Tab Group" button on the left side
  2. Select the Textbox from the popup and type: "Testing Group 1"
  3. Click the "OK" button
- User should see another popup window telling the user the group was created.

Result: The popup window appears to say the tab group was successfully created.

#### 4) Scenario (Viewing a Tab Group):

1. Click the "Testing Group 1" tab group button on the left side
- User should be taken to a page that has all of the Home Group's tabs

Result: The "Home Group's" tabs are successfully displayed

#### 5) Scenario (Adding a tab to a tab group):

1. Go to a tab group view
2. Click the button that says "Add Row" at the top
3. Click the textbox that says "Title" and write: Google
4. Click the textbox that says "URL" and write: <https://www.google.com/>

5. Click the "Save" button

User should see the format of the row changed so that the url is a button

Result: The row format was successfully changed so that the url is a button

6) Scenario (Opening a Single Tab):

1. Go to a tab group view
2. Click a button under the URL column

User should see a new browser tab appear and load with the corresponding url of the button

Result: A new tab with the corresponding url was created.

7) Scenario (Opening All Tab):

1. Go to a tab group view
2. Click the "Open All Rows" button at the top

User should see that for each tab in the group a browser tab is created for it.

Result: All the tabs in the tab group have a corresponding browser tab successfully created

8) Scenario (Opening Selected tabs):

1. Go to a tab group view
2. Click the checkbox next to each row that I want to open
3. Click the "Open Selected Rows" button at the top

User should see that for each tab that got checked in the group a browser tab is created for it.

Result: All the tabs in the tab group that got checked have a corresponding browser tab successfully created

9) Scenario (Delete Selected tabs):

1. Go to a tab group view
2. Click the checkbox next to each row that I want to delete
3. Click the "Delete Row(s)" button at the top

User should see that for each tab that got checked in the group the row for it was deleted.

Result: All the tabs in the tab group that got checked their corresponding rows were successfully deleted.

10) Scenario (Delete Tab Group):

1. Click the "Delete Tab Group" button on the left side
2. Click the dropdown menu and select a tab group



3. Click the ok button  
User should see a popup that says the group was deleted

Result: The popup appeared that said the group was successfully deleted.

#### 11) Scenario (Change Email):

1. Click the "Account" button at the top
2. Click the "My Account" button from the dropdown menu
3. Click the text box labeled "Enter New Email" and write: [demo2@fake.com](mailto:demo2@fake.com)
4. Click the "Change Email" button

User should see that the "Change Email" button says, "Your Email has been updated!" and upon a refresh of the Account page the email has changed.

Result: The email has successfully been changed to demo2@fake.com

#### 12) Scenario (Change Password):

1. Click the "Account" button at the top
2. Click the "My Account" button from the dropdown menu
3. Click the text box labeled "Enter Old Password" and write: demo
4. Click the text box labeled "Enter New Password" and write: demo2
5. Click the text box labeled "Confirm New Password" and write: demo2

User should see that the "Change Password" button says, "Your Password Has Been Changed!" and upon another login the old password doesn't work.

Result: The password has successfully been changed to demo2

#### 13) Scenario (Logout):

1. Click the "Account" button at the top
2. Click the "Logout" button from the dropdown menu  
User should see that it dumps you to the landing page

Result: The website has successfully logged out and dumped me to the landing page.