

## Team 22 - Logger

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### Test Case 1: Attempt to Open Extension

**Severity: 1**

#### Instructions

1. Open Chrome browser.
2. Click on Logger

#### Result

1. Logger dialogue box should display.

### Test Case 2: Log Time Spent On Website

**Severity: 1**

#### Instructions

1. Navigate to website with Logger extension installed in browser. Record time spent on website.
2. Close the chosen website.
3. Open Logger and navigate to section displaying time logged.

#### Result

1. Logger should show times spent on each website while it's the active tab.

### Test Case 3: Log Data Usage From Website

**Severity: 1**

#### Instructions

1. Navigate to <http://info.cern.ch/> with Logger extension installed in browser.
2. Wait for webpage to completely load
3. Close website
4. Open Logger and navigate to section displaying data usage by <http://info.cern.ch>

**Result**

1. Logger should show a predetermined amount of data usage

**Test Case 4: Display Graphs From Data****Severity: 3****Instructions**

1. Login to a user with previously logged data.
2. Open Logger data display page

**Result**

1. Graphs should be displayed correctly

**Test Case 5: Filter Websites Logged****Severity: 2****Instructions**

1. Open Logger preferences page.
2. Click 'Blacklist Websites'.
3. Type in a website's URL.
4. Navigate to the website whose URL was used in Step 3
5. Close webpage.
6. Open Logger and navigate to section displaying time logged.

**Result**

1. No data should be logged in Logger for the site blacklisted in Step 3.

**Test Case 6: Filter What is Logged Universally****Severity: 2****Instructions**

1. Open Logger preferences page
2. Click 'Logging Preferences'.

3. Click on desired changes to what is logged.
4. Click 'Apply' button
5. Navigate to desired websites.
6. Close website
7. Open Logger and navigate to section displaying logged data.

**Result**

1. Data display page should only show collected data specified in Step 3.

## Test Case 7: Modify What is Logged Specifically

**Severity: 3****Instructions**

1. Open Logger preferences page.
2. Click 'Logging Preferences'.
3. Enter a specific website's URL.
4. Select characteristics to be logged for that website.
5. Click 'Apply' button
6. Navigate to website that was not entered in Step 3
7. Navigate to website that was entered in Step 3
8. Close website
9. Open Logger and navigate to section displaying logged data

**Result**

1. On data display, user should see that different websites are displaying different data as specified in Step 4

## Test Case 8: Log the Total Number of Visits for each Website

**Severity: 1**

### Instructions

1. Open Logger and navigate to section displaying the number of visits. Saving the current count.
2. Navigate to website with Logger extension installed in browser. Increment number of visits counter for website.
3. Close the chosen website.
4. Open Logger and navigate to section displaying the number of visits.

### Result

1. Logger should show number of visits on each website logged, with the correct new count of visits displayed.

## Test Case 9: Manually Edit the Category of the Site

**Severity: 3**

### Instructions

1. Open Logger preferences page.
2. Click 'Logging Preferences'.
3. Enter a specific website's URL.
4. Select 'Edit Category'.
5. Select desired category from selections.
6. Click 'Apply'.
7. Navigate to specified website
8. Close website
9. Open Logger data display page

### Result

1. On data display page, user should notice that website specified appears under the category specified in Step 5.

## Test Case 10: Tracking Relations Between Websites

**Severity: 2**

### Instructions

1. Create fresh user (no previous data entries for Logger)
2. Navigate to a website with Logger extension installed.
3. Navigate to a different website
4. Close Website
5. Open Logger and navigate to section displaying relational data

### Result

1. New relationship between two websites should be displayed

## Test Case 11: Linking Your Facebook Account

**Severity: 1**

### Instructions

1. On the account creation screen, click Log In With Facebook.

### Result

1. A new user account should be successfully created using data from your Facebook account.

## Test Case 12: Linking Your Google Account

**Severity: 1**

### Instructions

1. On the account creation screen, click Log In With Google

### Result

1. A new user account should be successfully created using data from your Google account.

## Test Case 13: View Data Usage Breakdown

**Severity: 3**

### Instructions

1. Browse to YouTube and watch a few videos.
2. In the Logger extension, click Data.
3. Click Internet usage.
4. Click on YouTube.

### Result

1. The data breakdown for that site should display (% data for pictures, videos, etc).
2. Verify that data is being used for videos.

## Test Case 14: View Time Spent on Subreddits

**Severity: 3**

### Instructions

1. Navigate to [www.reddit.com/r/AskReddit/](http://www.reddit.com/r/AskReddit/)
2. In the Logger extension, click Data.
3. Click Subreddits

### Result

1. A list of subreddits with time spent statistics should display.
2. Verify that AskReddit is on the list.

## Test Case 15: View Time Spent on Youtube Channels

**Severity: 3**

### Instructions

1. Create new user
2. Navigate to the youtube channel 'Vsauce'
3. Open the video 'Spooky Coincidences?'

4. Watch for a specified time
5. In the Logger extension, click Data.
6. Click youtube channels
7. Find youtube channel 'Vsauce'

**Result**

1. 'Vsauce' should be the only channel in the list
2. 'Vsauce' should have the amount of time spent watching the video 'Spooky Coincidences?'

## **Test Case 16: View Number of TV Shows and Movies on Netflix**

**Severity: 3**

**Instructions**

1. Start a movie on Netflix
2. Start a TV show on Netflix
3. In the Logger extension, click Data.
4. Click Netflix

**Result**

1. Number of Movies should be accurate
2. Number of TV shows should be accurate

## **Test Case 17: View Time Spent on TV Shows and Movies on Netflix**

**Severity: 3**

**Instructions**

1. Start a movie on Netflix
2. Start a TV show on Netflix
3. In the Logger extension, click Data.
4. Click Netflix

**Result**

1. Time spent on Movies should be accurate
2. Time spent on TV shows should be accurate

**Test Case 18: Delete usage data****Severity: 1****Instructions**

1. Navigate to <http://info.cern.ch>
2. In the Logger extension, click Data.
3. Click Websites
4. Click the X button next to <http://info.cern.ch>

**Result**

1. The entry should be removed and stay removed on page refresh
2. Visiting the website again should restart data tracking for it.

**Test Case 19: Display Directed Graphs from Network Paths Data****Severity: 3****Instructions**

1. Navigate to website with Logger extension installed in browser.
2. Navigate to another website from the initial website.
3. Open Logger data display page.

**Result**

1. Directed graphs should correctly visualize the websites visited in Steps 1 and 2 in the correct order.



## Test Case 20: Display a Category for each Website

**Severity: 3**

### Instructions

1. Navigate to website with Logger extension installed in browser.
2. Close the chosen website.
3. Open Logger and navigate to the section displaying the category of websites visited.

### Result

1. Categories of websites visited should be displayed correctly.

## Test Case 21: Ensure Proper Session Time Counting

**Severity: 2**

### Instructions

1. Make sure desktop notifications are turned on.
2. Navigate to the same website with Logger extension installed in browser on multiple tabs.
3. Keep all tabs open and stay on the website until specified time limit is exceeded.

### Result

1. Notification about time limit being exceeded should be displayed without any increase in time count rate due to multiple concurrent sessions.

## Test Case 22: Log Browser Usage Across all Devices (Single Site)

**Severity: 2**

### Instructions

1. Install Logger on two different devices and log in with a dummy user.
2. Navigate to a website on one device.
3. Navigate to the same website on another device.
4. Navigate to Data, Websites within Logger

**Result**

1. The total number of website visits for the website should be the sum of the visits from both devices.

## **Test Case 23: Log Browser Usage Across all Devices (Multiple Sites)**

**Severity: 2**

**Instructions**

1. Install Logger on two different devices and log in with a dummy user.
2. Navigate to a website on one device.
3. Navigate to a different website on another device.
4. Navigate to Data, Websites within Logger

**Result**

1. The total number of website visits for the website should be the sum of the visits from both devices.

## **Test Case 24: Send a Warning when Website is Visited During Blackout Periods**

**Severity: 3**

**Instructions**

1. Make sure desktop notifications are turned on.
2. Set up a blackout period in Logger settings.
3. Navigate to website with Logger extension installed in browser during a blackout period.

**Result**

1. Warning message should be displayed correctly.

## Test Case 25: Generate a Sortable List of Websites Browsed

**Severity: 3**

### Instructions

1. Login to a user with previously logged data.
2. Navigate to websites with Logger extension installed.
3. Navigate to Data, Websites within the Logger extension
4. Click on the column headings for the list

### Result

1. A website list should be generated with correct data.
2. When a column heading is clicked, the list should be sorted in ascending order by that column.
3. When the same column heading is clicked again, the list should be sorted in descending order by that column.

## Test Case 26: Display Graphs from Daily, Weekly, and Monthly Usage Data

**Severity: 3**

### Instructions

1. Login to a user with previously logged data.
2. Open Logger data display page.

### Result

1. Graphs should be displayed correctly.

## Test Case 27: Generate Chronological List of Websites

**Severity: 2**

### Instructions

1. Navigate to websites with Logger extension installed in browser.
2. Navigate to Data, Timeline View within Logger.

**Result**

1. A list will be generated displaying websites visited in chronological order.

## **Test Case 28: Display Most Visited Websites List**

**Severity: 2****Instructions**

1. Create various dummy users.
2. Browse websites using all dummy users.
3. Navigate to Data, Popular Websites within Logger

**Result**

1. The listed page visits for each website should be the sum of all users page visits for that website.
2. The list should be sorted in descending order of page visits.

## **Test Case 29: Export Data Logged**

**Severity: 3****Instructions**

1. Navigate to websites with Logger extension installed in browser.
2. Navigate to Preferences, Export Data within Logger.
3. Select the desired file type.
4. Logger will generate a copy of your logged data locally.

**Result**

1. A file will be saved to your local machine containing all logged data in the file format of your selection.

## **Test Case 30: User Logout**

**Severity: 1****Instructions**

1. Login to Logger through any method

2. Logout of Logger through the menu

**Result**

1. All user identifiable information is no longer available (logged sites, user email address, etc).

## **Test Case 31: View Site Specific Data live**

**Severity: 3****Instructions**

1. Create fresh user
2. Navigate to [www.facebook.com](http://www.facebook.com)
3. Open extension panel

**Result**

1. All statistics on the extension panel should update live based on received information from the webpage.

## **Test Case 32: View Site Specific Data live**

**Severity: 3****Instructions**

1. Create fresh user
2. Navigate to [www.facebook.com](http://www.facebook.com)
3. Open extension panel

**Result**

1. All statistics on the extension panel should update live based on received information from the webpage.

## **Test Case 33: Delete Account**

**Severity: 1****Instructions**

1. Create fresh user

2. Collect some data for the user to store on their account
3. Click 'Preferences'
4. Click 'Delete Account'
5. Click 'Ok'

**Result**

1. User data should be deleted.

## **Test Case 34: View Most Popular Subreddits, YouTube Channels, and Netflix Shows**

**Severity: 3**

**Instructions**

1. Click 'Data' in Logger extension
2. Click 'Subreddits'
3. Click 'Popular Subreddits'
4. Navigate back to 'Data' and click 'YouTube'
5. Click 'Popular Channels'
6. Navigate back to 'Data' and click 'Netflix'
7. Click 'Popular TV and Movies'

**Result**

1. Popular Subreddits should be displayed correctly (aggregate data of all Logger users).
2. Popular YouTube channels should be displayed correctly (aggregate data)
3. Popular TV and Movies should be displayed correctly (aggregate data)