# Usability Testing Survey
# Software Engineering

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Table 1: Revision History

| Date | Developer(s) | Change |
|---|---|---|
| 14 March 2025 | Sumanya Gulati | Initial Draft |
| 17 March 2025 | Sumanya Gulati | Add list of Navigation Tasks |

# 1    User and Session Details

Table 2 contains details of each subject who agreed to participate in a Usability Testing Session.

| | |
|---|---|
| **Subject Name** | Meghna Saha |
| **Subject Role** | Research Assistant to the Project Supervisor |
| **Test Conductor(s)** | Sumanya Gulati |
| **Test Date** | 20 March 2025 |
| **Test Mode** | In-person |
| **Start Time** | |
| **End Time** | |
| **Additional Notes** | |

Table 2: User and Session Details

# 2    Navigation Tasks to be Performed

For the purpose of this usability session, the subject has been asked to perform the following tasks, in order:

1. Upload a data sheet.

2. Upload another data sheet with the same experiment date.

3. Locate this data sheet in the table view page.

4. Navigate to the experiment table and perform the following operations -

   (a) Add a new row.
   (b) Delete an existing row.
   (c) Add a new column.
   (d) Delete an existing column.

5. Calculate the average of any couple of values in the experiment table.

6. *(Optional):* Perform additional excel-based functions on the values in the experiment table.

7. Search for a datapoint in the table using the column and value.

8. Generate a graph using all available customization options for the experiment data from **September 26**.

# 3  User Answers

Users will be asked the following questions to gauge the usability of the application during a user demo assessment. These questions relate to the assessment of non-functional tests NFR-LF1, NFR-UH1, NFR-OE2, and NFR-MS1 outlined in the Software Requirements Specification (SRS).

### Navigation and Ease of Use

(a) How easy or difficult was it to navigate through the application? *(Very easy - Somewhat easy - Neither easy nor difficult - Somewhat difficult - Very difficult)*

- *Answer:*

(b) Rate the ease of finding a specific button/feature related to the task you were trying to perform. *(Very easy - Somewhat easy - Neither easy nor difficult - Somewhat difficult - Very difficult)*

- *Answer:*

### Visual Appearance

(a) On a scale of 1 to 5, how would you rate the visual appearance of the application? *(1 - Too cluttered and unappealing, 2 - Somewhat unappealing 3 - Neutral, 4 - Somewhat appealing, 5 - Very clean and appealing)*

- *Answer:*

(b) Is the displayed content (text, tables, graphs) clear, legible and easy to understand?

- *Answer:*

(c) Did the design and layout appear consistent to you across the entire application? If no, please point out any inconsistencies you noticed.

- *Answer:*

(d) Did you encounter any unidentifiable symbols or icons? If yes, please describe them.

- *Answer:*

### Learning

(a) How easy or difficult was it to learn how to use the different features of the application? *(Very easy - Somewhat easy - Neither easy nor difficult - Somewhat difficult - Very difficult)*

- *Answer:*

(b) Were there any features or functions you found challenging to understand or figure out? If yes, please describe.

- *Answer:*

### Responsiveness

(a) Did you experience any noticeable delays or interruptions while using the application? If yes, please describe them.

- *Answer:*

### Overall Experience

(a) On a scale of 1 to 5, rate your overall experience using the application. *(1 - Very poor, 2 - Poor, 3 - Neutral, 4 - Good, 5 - Excellent)*

- *Answer:*

(b) Do you have any suggestions for improvements to enhance your experience with the application?

- *Answer:*

# 4 Test Conductor Observations