**Participant identification**

Please enter the **Participant Number** that was assigned to you.
Make sure it is the correct number.

[                                    ]

Please enter **Participant Number** one more time and click the next button.
Make sure it is the correct number.

[                                    ]

**Instructions**

In this survey, you will analyze the Quality Report produced by EULER for the following bug report:

**Bug Report ID:** 169
**Bug Summary:** Context Menus Disappear on device rotation
**Application**: Schedule v. 1.32.2

Please complete the following steps and answer the questions.

**1. Understand the bug described in the bug report**

Click this link to open a web page that contains:
1. The original bug report
2. A video that shows how to reproduce the reported bug in the application
3. The natural language transcription of the interactions shown in the video

Please carefully read and understand the original bug report.  Identify the steps to reproduce present in both, the bug summary and description. Watch the video to understand the steps that reproduce the reported bug.  The transcribed steps will give you more details about each interaction shown in the video.

**The goal here is that you become familiar with the bug described in the bug report and with the steps required to reproduce the bug.**

## 2. Understand the Quality Report for the original bug report

Click here to open the Quality Report produced by EULER for the original bug report. Carefully review the quality assessment of the steps to reproduce, in particular, the identified steps and the quality annotations for each step.

For reference, this document describes each annotation type produced by the tool. It also shows examples of each annotation. Feel free to read it at any time during the survey.

## 3. Evaluate the accuracy of the Quality Report

Based on the reproduction scenario shown in the video, its transcription, and the original bug report, answer the survey questions (shown in the next screens). These questions are meant to determine the accuracy of the Quality Assessment produced by the tool for each reproduction step.

Feel free to review the original bug report, the video and its transcription, and the Quality Report at any time for answering the questions. Each question will have the links to open these sources. In any case, at this point, you should have these sources opened in a new window/tab of your browser.

Please click the "next" (-->) button to start the evaluation.

**step1**

The tool identified the highlighted (#1) statement from the **original bug report** as a step to reproduce:

## 1. Perform sequences of events

Was the step to reproduce correctly identified?

Useful links: [Quality Report] [Original bug report and video] [Annotation types]

Yes                                              No

**feed1_1**

Do you agree with the highlighted quality annotation for the step to reproduce (S2R) #1 (highlighted in boldface)?

| # | Step to Reproduce (S2R) | Quality Annotation |
|---|---|---|
|   |   |   |

| # | Step to Reproduce (S2R) | Quality Annotation |
|---|---|---|
| 1 | **Perform sequences of events** | VM   **The term "perform" does not match an action performed on the app.** |

Exact Match:   HQ   Ambiguous Step:   AS   Vocabulary Mismatch:   VM   Incorrect Input Value:   IV   Missing Steps:   MS

Useful links: [Quality Report] [Original bug report and video] [Annotation types]

I agree                      I disagree

If you selected "I disagree", please explain why you disagree with the quality annotation (be specific).

**step2**

The tool identified the highlighted (#2) statement from the **original bug report** as a step to reproduce:

1. Perform sequences of events
**2. Long click on item**

Was the step to reproduce correctly identified?

Useful links: [Quality Report] [Original bug report and video] [Annotation types]

Yes                         No

**feed2_1**

Do you agree with the highlighted quality annotation for the step to reproduce (S2R) #2 (highlighted in boldface)?

| # | Step to Reproduce (S2R) | Quality Annotation |
|---|---|---|
| 1 | Perform sequences of events | |

| #  | Step to Reproduce (S2R) | Quality Annotation |
|----|-------------------------|--------------------|
| 2  | **Long click on item**  | EM  **This S2R matches the following app interaction:**<br><br>**1. Long tap the "item refresh (Refresh)" text view** |

Exact Match:  HQ  Ambiguous Step:  AS  Vocabulary Mismatch:  VM  Incorrect Input Value:  IV  Missing Steps:  MS

Useful links: [Quality Report] [Original bug report and video] [Annotation types]

               I agree                                           I disagree

If you selected "I disagree", please explain why you disagree with the quality annotation (be specific).

**feed2_2**

Do you agree with the highlighted quality annotation for the step to reproduce (S2R) #2 (highlighted in boldface)?

| #  | Step to Reproduce (S2R)      | Quality Annotation |
|----|------------------------------|--------------------|
| 1  | Perform sequences of events  |                    |
| 2  | **Long click on item**       | MS  **There are app interactions that are missing in the bug report and should be executed before this S2R:** |

Exact Match:  HQ  Ambiguous Step:  AS  Vocabulary Mismatch:  VM  Incorrect Input Value:  IV  Missing Steps:  MS

Useful links: [Quality Report] [Original bug report and video] [Annotation types]

               I agree                                           I disagree

If you selected "I disagree", please explain why you disagree with the quality annotation (be specific).

missing2_2

Regarding the suggested missing steps (highlighted) select all the statements below that you agree with (multiple choice). Feel free to review the Quality Report to see the screenshot for each missing step.

| # | Step to Reproduce (S2R) | List of Missing Steps |
|---|---|---|
| 1 | Perform sequences of events | |
| 2 | **Long click on item** | **1. Tap the image button**<br>**2. Tap the drop down list**<br>**3. Tap the list view** |

Useful links: [Quality Report] [Original bug report and video] [Annotation types]

The missing steps are correct

There are extra steps in the list of missing steps

There are steps not present in the list of missing steps

The order of the missing steps is incorrect

Please provide details for the selected answers (e.g., provide the extra steps or the additional steps not found in the suggested list, or include the steps in the right order).

step3

The tool identified the highlighted (#3) statement from the **original bug report** as a step to reproduce:

1. Perform sequences of events
2. Long click on item

## 3. Change orientation

Was the step to reproduce correctly identified?

Useful links: [Quality Report] [Original bug report and video] [Annotation types]
                          Yes                                                    No

**feed3_1**

Do you agree with the highlighted quality annotation for the step to reproduce (S2R) #3 (highlighted in boldface)?

| # | Step to Reproduce (S2R) | Quality Annotation |
|---|---|---|
| 1 | Perform sequences of events | |
| 2 | Long click on item | |
| 3 | **Change orientation** | EM  **This S2R matches the following app interaction:**<br><br>**1. Rotate the screen** |

Exact Match:  HQ  Ambiguous Step:  AS  Vocabulary Mismatch:  VM  Incorrect Input Value:  IV  Missing Steps:  MS

Useful links: [Quality Report] [Original bug report and video] [Annotation types]
                          I agree                                              I disagree

If you selected "I disagree", please explain why you disagree with the quality annotation (be specific).

[                                                                                        ]

**Euler Report Usability**

**Evaluating the usability and usefulness of the Quality Report**

In this section of the survey, you will be asked to review the Quality Report for the original bug report one more time, and then answer the questions below regarding the usability and potential usefulness

of the quality assessment.

Click here to open the Quality Report

Do you agree with the following statements about the Quality Report?

| | Disagree | Somewhat disagree | Not agree nor disagree | Somewhat agree | Agree | I cannot judge |
|---|---|---|---|---|---|---|
| The Quality Report is easy to read and understand. | ○ | ○ | ○ | ○ | ○ | ○ |
| The Quality Report is likely to help users write better bug reports. | ○ | ○ | ○ | ○ | ○ | ○ |

What information did you find useful from the Quality Report?

What information did you find useless from the Quality Report?

What other information (if any) would you like to see in the Quality Report?

What information would you remove from the Quality Report?

**Confirmation**

Click the "Finish" button to finish the survey. If you have not finished it, you can go back.

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