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: 701
Bug Summary: Split memos disappear
Application: GnuCash v. 2.2.0

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. Click on transaction

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	**Click on transaction**	EM **This S2R matches the following app interaction:** **1. Tap the "Transactions" 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).

```
```

feed1_2

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

#	Step to Reproduce (S2R)	Quality Annotation
1	**Click on transaction**	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).

missing1_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	**Click on transaction**	**1. Tap the "btn save (Next)" button** **2. Tap the "list" list view** **3. Tap the "text 1 (USD)" checked text view** **4. Tap the "btn cancel (Back)" button** **5. Tap the "btn save (Next)" button** **6. Tap the "btn save (Next)" button** **7. Tap the "list" list view** **8. Tap the "text 1 (Create default accounts)" checked text view** **9. Tap the "btn save (Next)" button** **10. Tap the "list" list view** **11. Tap the "text 1 (Automatically send crash reports)" checked text view** **12. Tap the "btn save (Next)" button** **13. Tap the "list" list view** **14. Tap the "btn save (Next)" button** **15. Tap the "button 1 (Dismiss)" button** **16. Tap the "Navigation drawer opened" image button**

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).

[ ]

step2

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

1. Click on transaction
2. Click on edit FAB button

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	Click on transaction	
2	**Click on edit FAB button**	EM **This S2R matches the following app interaction:** **1. Tap the "Transactions" 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).

step3

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

1. Click on transaction
2. Click on edit FAB button
3. Click on split icon

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	Click on transaction	
2	Click on edit FAB button	
3	**Click on split icon**	VM **The term "on split icon" does not match a GUI component from 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).

```

```

step4

The tool identified the highlighted (#4) statement from the **original bug report** as a step to reproduce:

1. Click on transaction
2. Click on edit FAB button
3. Click on split icon
4. Add memo to splits

Was the step to reproduce correctly identified?

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

| Yes | No |

feed4_1

Do you agree with the highlighted quality annotation for the step to reproduce (S2R) #4 (highlighted in boldface)?

#	Step to Reproduce (S2R)	Quality Annotation
1	Click on transaction	
2	Click on edit FAB button	
3	Click on split icon	
4	**Add memo to splits**	AS **This S2R matches multiple actions (e.g., "click" or "type").**

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).

```

```

step5

The tool identified the highlighted (#5) statement from the **original bug report** as a step to reproduce:

1. Click on transaction
2. Click on edit FAB button
3. Click on split icon
4. Add memo to splits
5. **Click "save"**

Was the step to reproduce correctly identified?

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

Yes   No

feed5_1

Do you agree with the highlighted quality annotation for the step to reproduce (S2R) #5 (highlighted in boldface)?

#	Step to Reproduce (S2R)	Quality Annotation
1	Click on transaction	
2	Click on edit FAB button	
3	Click on split icon	
4	Add memo to splits	
5	**Click "save"**	EM **This S2R matches the following app interaction:** **1. Tap the "btn save (Delete)" button**

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).

```



```

feed5_2

Do you agree with the highlighted quality annotation for the step to reproduce (S2R) #5 (highlighted in boldface)?

#	Step to Reproduce (S2R)	Quality Annotation
1	Click on transaction	
2	Click on edit FAB button	
3	Click on split icon	
4	Add memo to splits	
5	**Click "save"**	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).

missing5_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	Click on transaction	
2	Click on edit FAB button	
3	Click on split icon	
4	Add memo to splits	
5	**Click "save"**	**1. Tap the view** **2. Tap the "Preferences" text view** **3. Tap the "drawer title (GnuCash)" text view** **4. Tap the "toolbar" view** **5. Tap the "favorite status" image view** **6. Tap the "favorite status" image view** **7. Tap the "favorite status" image view** **8. Tap the "favorite status" image view** **9. Tap the "options menu" image view** **10. Tap the "Delete" 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).

step6

The tool identified the highlighted (#6) statement from the **original bug report** as a step to reproduce:

1. Click on transaction
2. Click on edit FAB button
3. Click on split icon
4. Add memo to splits
5. Click "save"
6. Click "save"

Was the step to reproduce correctly identified?

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

Yes   No

feed6_1

Do you agree with the highlighted quality annotation for the step to reproduce (S2R) #6 (highlighted in boldface)?

#	Step to Reproduce (S2R)	Quality Annotation
1	Click on transaction	
2	Click on edit FAB button	
3	Click on split icon	
4	Add memo to splits	
5	Click "save"	
6	**Click "save"**	EM **This S2R matches the following app interaction:** **1. Tap the "btn save (Delete)" button**

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).

```



```

feed6_2

Do you agree with the highlighted quality annotation for the step to reproduce (S2R) #6 (highlighted in boldface)?

#	Step to Reproduce (S2R)	Quality Annotation
1	Click on transaction	
2	Click on edit FAB button	
3	Click on split icon	
4	Add memo to splits	
5	Click "save"	
6	**Click "save"**	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).

missing6_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	Click on transaction	
2	Click on edit FAB button	
3	Click on split icon	
4	Add memo to splits	
5	Click "save"	
6	**Click "save"**	**1. Tap the "options menu" image view** **2. Tap the "Delete" 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).

step7

The tool identified the highlighted (#7) statement from the **original bug report** as a step to reproduce:

1. Click on transaction
2. Click on edit FAB button
3. Click on split icon
4. Add memo to splits
5. Click "save"
6. Click "save"
7. **Click on edit FAB button**

Was the step to reproduce correctly identified?

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

                                    Yes   No

feed7_1

Do you agree with the highlighted quality annotation for the step to reproduce (S2R) #7 (highlighted in boldface)?

#	Step to Reproduce (S2R)	Quality Annotation
1	Click on transaction	
2	Click on edit FAB button	
3	Click on split icon	
4	Add memo to splits	
5	Click "save"	
6	Click "save"	
7	**Click on edit FAB button**	EM **This S2R matches the following app interaction:** **1. Tap the "Transactions" 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).

[   ]

feed7_2

Do you agree with the highlighted quality annotation for the step to reproduce (S2R) #7 (highlighted in boldface)?

#	Step to Reproduce (S2R)	Quality Annotation
1	Click on transaction	
2	Click on edit FAB button	
3	Click on split icon	
4	Add memo to splits	
5	Click "save"	
6	Click "save"	
7	**Click on edit FAB button**	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).

[   ]

missing7_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	Click on transaction	
2	Click on edit FAB button	
3	Click on split icon	
4	Add memo to splits	
5	Click "save"	
6	Click "save"	
7	**Click on edit FAB button**	**1. Tap the "options menu" image view** **2. Tap the "Delete" view** **3. Tap the "btn save (Delete)" button** **4. Long tap the "menu search (Search)" text view** **5. Tap the action bar $ tab** **6. Tap the action bar $ tab** **7. Tap the action bar $ tab** **8. Tap the action bar $ tab** **9. Tap the "toolbar" view** **10. Tap the "favorite status" image view** **11. Tap the "favorite status" image view** **12. Tap the "Navigation drawer opened" image button**

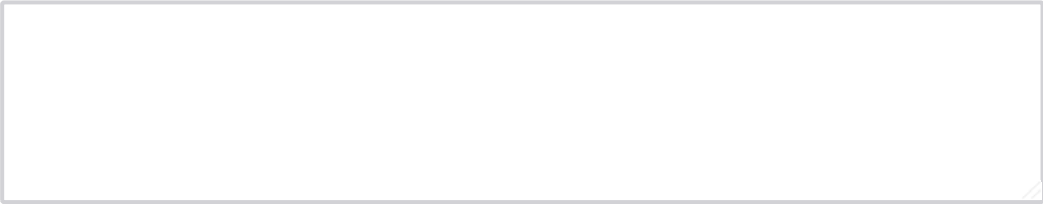Useful links: [Quality Report] [Original bug report and video] [Annotation types]

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).

step8

The tool identified the highlighted (#8) statement from the **original bug report** as a step to reproduce:

1. Click on transaction
2. Click on edit FAB button
3. Click on split icon
4. Add memo to splits
5. Click "save"
6. Click "save"
7. Click on edit FAB button
8. Click on split icon

Was the step to reproduce correctly identified?

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

Yes   No

feed8_1

Do you agree with the highlighted quality annotation for the step to reproduce (S2R) #8 (highlighted in boldface)?

#	Step to Reproduce (S2R)	Quality Annotation
1	Click on transaction	
2	Click on edit FAB button	
3	Click on split icon	
4	Add memo to splits	
5	Click "save"	
6	Click "save"	
7	Click on edit FAB button	

#	Step to Reproduce (S2R)	Quality Annotation
8	**Click on split icon**	EM **This S2R matches the following app interaction:** 1. **Tap the "btn split editor (Open split editor)" image 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).

feed8_2

Do you agree with the highlighted quality annotation for the step to reproduce (S2R) #8 (highlighted in boldface)?

#	Step to Reproduce (S2R)	Quality Annotation
1	Click on transaction	
2	Click on edit FAB button	
3	Click on split icon	
4	Add memo to splits	
5	Click "save"	
6	Click "save"	
7	Click on edit FAB button	
8	**Click on split icon**	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).

```


```

missing8_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	Click on transaction	
2	Click on edit FAB button	
3	Click on split icon	
4	Add memo to splits	
5	Click "save"	
6	Click "save"	
7	Click on edit FAB button	

#	Step to Reproduce (S2R)	List of Missing Steps
8	**Click on split icon**	**1. Tap the "tab layout" horizontal scroll view** **2. Tap the "title (Book 1)" text view** **3. Tap the view** **4. Tap the "Transactions" text view** **5. Tap the view** **6. Tap the "Preferences" text view** **7. Tap the "drawer title (GnuCash)" text view** **8. Tap the "toolbar" view** **9. Tap the "favorite status" image view** **10. Tap the "favorite status" image view** **11. Tap the "secondary text (5 sub-accounts)" text view** **12. Tap the "create transaction" image 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).

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?

Not agree

	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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