

Consent

Evaluating a Software Tool for the Automated Quality Assessment of Bug Reports

Welcome to "Evaluating a Software Tool for the Automated Quality Assessment of Bug Reports", a web-based study that aims at determining the accuracy of a software tool at assessing the quality of bug reports. The tool, called EULER, automatically identifies the steps to reproduce described in a bug report and provides automatic feedback to the users about the quality of such steps. Before taking part in this study, please read the consent form below, select the "I Agree" option at the bottom of the page if you understand the statements and freely consent to participate in the study, and press the next button.

Consent Form

This study involves a survey designed to determine how accurate EULER is on assessing the quality of the step to reproduce described in bug reports. The study is being conducted by the Ph.D. student Oscar Chaparro and the Professor Andrian Marcus of The University of Texas at Dallas, and it has been designated by The University of Texas at Dallas Office of Research Compliance as exempt from review by an Institutional Review Board. No deception is involved, and the study involves no more than minimal risk to participants (i.e., the level of risk encountered in daily life).

Participation in the study typically takes two (2) hours and is strictly confidential. Participants begin by taking a brief training session with Oscar Chaparro about how to answer the survey. After answering demographic questions about their programming experience, participants will read specific instructions for answering the survey as well as the criteria to evaluate EULER's quality assessment. The participants will answer the survey for a set of bug reports.

All responses are treated as confidential, and in no case will responses from individual participants be identified. Rather, all data will be pooled and published in aggregate form only. Participants should be aware, however, that the experiment is not being run from a "secure" https server of the kind typically used to handle credit card transactions, so there is a small possibility that responses could be viewed by unauthorized third parties (e.g., computer hackers).

Grades and quality of education will not be affected by participating or not participating in this research study.

Many individuals find participation in this study enjoyable, and no adverse reactions have been reported thus far. Participants will receive a \$20 ClinCard debit card.

Participation is voluntary, refusal to take part in the study involves no penalty or loss of benefits to which participants are otherwise entitled, and participants may withdraw from the study at any time without penalty or loss of benefits to which they are otherwise entitled.

If participants have further questions about this study, they may contact the Principal Investigators, Oscar Chaparro at (313) 404-3014 (or ojchaparroa@utdallas.edu) and Andrian Marcus at (248) 974-1136 (or amarcus@utdallas.edu); Participants who want more information about their rights as a participant or who want to report a research-related concern may contact The University of Texas at Dallas Office of Research Compliance at (972) 883-4579.

If you are 18 years of age or older, understand the statements above, and freely consent to participate in the study, select the "I Agree" option and press the next button to begin the survey.

I Agree

I do not agree

Demographics

Please type the **Participant Number** you were provided.
Make sure it is the correct number.

Please type the **Participant Number** one more time.
Make sure it is the correct number.

What is your experience at the following activities? Select one option from the dropdown list for each activity

	Experience
Non-mobile app development	<input type="text"/>
Mobile app development	<input type="text"/>
Android app development	<input type="text"/>
Using Android phones	<input type="text"/>

Have you taken part of real-world (industrial or open source) application development?

	Yes	No
Non-mobile app development	<input type="radio"/>	<input type="radio"/>
Mobile app development	<input type="radio"/>	<input type="radio"/>
Android app development	<input type="radio"/>	<input type="radio"/>

Block 8

The Participant Number is incorrect. Please finish the survey and start over.

Instructions

Please read the instructions for completing the survey given in the following [document](#). Once you fully read the instructions, please continue with this survey.

Participants: 1, 5, 9, 13

Please click each link below, which will take to a separate survey for each bug report. Once you complete these surveys, you can proceed to the next page to finish this survey.

- * Bug report #1: [ATimeTracker_10](#)
- * Bug report #2: [DroidWeight_25](#)
- * Bug report #3: [DroidWeight_12](#)
- * Bug report #4: [GnuCash_616](#)
- * Bug report #5: [Schedule_154](#)
- * Bug report #6: [GnuCash_701](#)

Participants: 2, 6, 10, 14

Please click each link below, which will take to a separate survey for each bug report. Once you complete these surveys, you can proceed to the next page to finish this survey.

- * Bug report #1: [Aard Dictionary_104](#)
- * Bug report #2: [Mileage_64](#)
- * Bug report #3: [GnuCash_663](#)
- * Bug report #4: [Mileage_49](#)
- * Bug report #5: [Aard Dictionary_81](#)
- * Bug report #6: [ATimeTracker_25](#)

Participants: 3, 7, 11, 15

Please click each link below, which will take to a separate survey for each bug report. Once you complete these surveys, you can proceed to the next page to finish this survey.

- * Bug report #1: [Mileage_53](#)
- * Bug report #2: [GnuCash_615](#)
- * Bug report #3: [ATimeTracker_1](#)
- * Bug report #4: [GnuCash_620](#)
- * Bug report #5: [Mileage_65](#)
- * Bug report #6: [GnuCash_699](#)

Participants: 4, 8, 12, 16

Please click each link below, which will take to a separate survey for each bug report. Once you complete these surveys, you can proceed to the next page to finish this survey.

- * Bug report #1: [ATimeTracker_35](#)
- * Bug report #2: [GnuCash_633](#)
- * Bug report #3: [GnuCash_618](#)
- * Bug report #4: [Schedule_169](#)
- * Bug report #5: [GnuCash_471](#)
- * Bug report #6: [ATimeTracker_46](#)

Confirmation

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

Powered by Qualtrics