

North Carolina State University
Institutional Review Board For The Use of Human Subjects in Research
GUIDELINES FOR PREPARATION OF INFORMED CONSENT FORM

PLEASE READ ALL OF THIS INFORMATION CAREFULLY
PRIOR TO COMPLETING THE CONSENT FORM

An **Informed Consent Statement** has two purposes: (1) to provide adequate information to potential research subjects to make an informed choice as to their participation in a study, and (2) to document their decision to participate. In order to make an informed choice, potential subjects must understand the study, how they are involved in the study, what sort of risks it poses to them and who they can contact if a problem arises (see informed consent checklist for a full listing of required elements of consent). Please note that **the language used to describe these factors must be understandable to all potential subjects, which typically means an eighth grade reading level.** The informed consent form is to be read and signed by each subject who participates in the study **before** they begin participation in the study. A duplicate copy is to be provided to each subject.

If subjects are **minors (i.e. any subject under the age of 18)** use the following guidelines for obtaining consent:

- 0-5 years old** – requires signature of parent(s)/guardian/legal representative
- 6 – 10 years old** - requires signature of parent(s)/guardian/legal representative and verbal assent from the minor. In this case a minor assent script should be prepared and submitted along with a parental consent form.
- 11 - 17 years old** - requires signature of both minor and parent/guardian/legal representative

If the subject or legal representative is *unable to read and/or understand the written consent form*, it must be verbally presented in an understandable manner and witnessed (with signature of witness). If there is a good chance that your intended subjects will not be able to read and/or understand a written consent form, please contact the IRB office 919-515-4514 for further instructions.

***For your convenience, attached find a sample consent form template that contains necessary information. In generating a form for a specific project, the principal investigator should complete the underlined areas of the form and replicate all of the text that is not underlined, except for the compensation section where you should select the appropriate text to be used out of several different scenarios.**

***This consent form template can also be adapted and used as an information sheet for subjects when signed informed consent is waived by the IRB. An information**

sheet is usually required even when signed informed consent is waived. The information sheet should typically include all of the elements included below minus the subject signature line; however it may be modified in consultation with the IRB.

**North Carolina State University
INFORMED CONSENT FORM for RESEARCH**

Title of Study

Fast-Feedback Static Analysis Tools

Principal Investigator

Yoonki Song

Faculty Sponsor (if applicable)

Emerson Murphy-Hill

Other Investigators

Brittany Johnson

What are some general things you should know about research studies?

You are being asked to take part in a research study. Your participation in this study is voluntary. You have the right to be a part of this study, to choose not to participate or to stop participating at any time without penalty. The purpose of research studies is to gain a better understanding of a certain topic or issue. You are not guaranteed any personal benefits from being in a study. Research studies also may pose risks to those that participate. In this consent form you will find specific details about the research in which you are being asked to participate. If you do not understand something in this form it is your right to ask the researcher for clarification or more information. A copy of this consent form will be provided to you. If at any time you have questions about your participation, do not hesitate to contact the researcher(s) named above.

What is the purpose of this study?

We are conducting research on how to improve the usability of static analysis tools for developers. Static analysis can potentially make a developer's job easier by helping the developer find bugs early in the development process. However, developers are not using static analysis tools as often as the benefits might indicate. The problem may be that current static analysis tools do not fit into the current workflows of developers. Through this research, we hope to find a way of improving static analysis tools so that they fit better into developers' workflows, allowing them to detect bugs in their code faster and earlier in the development process.

What will happen if you take part in the study?

If you agree to participate, you will be asked to participate in the following activities:

1. An interview in which you will participate in a Question and Answer Session, where we will ask you a series of questions pertaining to your experience using static analysis tools, an Interactive

Interview, where you will be asked to use a static analysis tool on some code of your choice, and a Design Exercise, where you will be asked to come up with your own static analysis tool design and desired workflow. (45 – 60 minutes)

Risks

There are no foreseeable risks.

Benefits

There is no direct benefit to you from participating, though you will be able to give feedback that could potentially make what you do easier.

Confidentiality

The information in the study records will be kept confidential to the full extent allowed by law. Data will be stored securely in our lab server. No reference will be made in oral or written reports that could link you to the study. You will NOT be asked to write your name on any study materials so that no one can match your identity to the answers that you provide.

Compensation

No compensation. This study is not related to any course credit.

What if you are a NCSU student?

Participation in this study is not a course requirement and your participation or lack thereof, will not affect your class standing or grades at NC State.

What if you have questions about this study?

If you have questions at any time about the study or the procedures, you may contact the researcher, Yoonki Song, at EB II 3222, or [919/673-9194] or Brittany Johnson, EB II 3222 or [919/817-8371].

What if you have questions about your rights as a research participant?

If you feel you have not been treated according to the descriptions in this form, or your rights as a participant in research have been violated during the course of this project, you may contact Deb Paxton, Regulatory Compliance Administrator, Box 7514, NCSU Campus (919/515-4514).

Consent To Participate

“I have read and understand the above information. I have received a copy of this form. I agree to participate in this study with the understanding that I may choose not to participate or to stop participating at any time without penalty or loss of benefits to which I am otherwise entitled.”

Subject's signature _____ **Date** _____

Investigator's signature _____ **Date** _____