Informed Consent

Supporting Artists in Exploratory and Iterative Programming with a Novel Version Control Interface

CPHS# 2023-01-16011

Introduction
We are a group of graduate researchers in the Electrical Engineering and Computer Sciences Department working with Professors Eric Paulos and Sarah Chasins at the University of California, Berkeley. We are inviting you to participate in this study because we are interested in how creative coders use a novel version control tool, which we designed, called "Quickpose" in their regular artistic practice.

Purpose
The purpose of this study is to understand the effectiveness of novel version control strategies for artistic programming.

Subject must be 18 or older to participate.

Consent

Participation is completely voluntary. You may opt-in or opt-out of this study whenever you choose. Your experience of Quickpose will not be affected whatsoever by choosing to participate or not participate in this study.

Procedures
Quickpose is a version control tool for the creative coding platform Processing. Quickpose is free to use and open-sourced. While using Quickpose, you may consent to send anonymous usage data about how you use Quickpose to us, the researchers. If you consent, this data will be sent automatically. You may opt-out of sending this data at any time.

If you consent to participate, an ID number will be generated for you and each project you consent to send usage data for. These numbers will be sent along with your usage data in order to aid analysis of the study data. This number will be stored in the Quickpose application folder (installed in your "Tools" folder in your Processing Sketchbook) and in the .tldr file for each project.

Usage Data collected will include information about

- (1) usage logs of your actions in the software, including metadata about those actions (type, timestamp, etc)

- (2) information about the structure of your versions and iterations (not the content itself), which include how many iterations were made, and how they relate to each other

- (3) metadata about the programs you write in Quickpose projects (not the programs themselves). For instance, numerical scorings of the similarities between different programs in a Quickpose project.

- (4) anonymous ID numbers randomly generated for each project. This is to group data sent about the same project or made by the same person in an unidentifiable way.

None of the information collected will be identifying, will remain anonymous, and will only be shared between researchers.

Study time
If you consent, Quickpose will continue to send usage data for as long as you continue to use the software or opt-out of participation, which you can do at anytime, for any project, in the "Settings" panel of the Quickpose interface.

Study location
Quickpose will send usage data, provided you consent to research, as long as it is connected to the Internet.

Risks/Discomforts
We do not anticipate that the research procedures will make you uncomfortable or upset, as the software (Quickpose) will function identically whether you opt-in or opt-out of participating in research. You are free to stop participating in the study at any time.

Breach of Data:
As with all research, there is a chance that our research data could be compromised; however, we are taking precautions to minimize this risk. In case of unanticipated problems, data collection will be halted.

Data Security
Your study data will be handled as securely as possible. The data collected in this study may be included in future published research. If results of this study are published or presented, no identifying information will be presented, as no identifying information is collected. At any time during the study you may revoke consent to participate by opting out through the Quickpose interface or ceasing use of the software. To minimize the risks to confidentiality, we will do the following: Study data will be kept in secure online repositories accessible only to researchers, requiring 2-factor authentication to access, and will remain encrypted in storage and is sent over an encrypted HTTPS connection.

Only I/the researcher(s) will have access to your study records. The research data will be maintained for possible use in future research by myself or others. I will retain this data indefinitely for future research. The same measures described above will be taken to protect confidentiality of this study data. The tool will only collect version data about code written within it and will not track, modify, or interact with any other part of your computer. Quickpose will only send data about the usage of its interface and the code written within Quickpose projects, and will not send any information about any other part of your computer. File metadata, IP addresses, or other identifying information will not be recorded. At any time you are encouraged to email erawn@berkeley.edu if you have questions.

Compensation/Payment
You will not receive compensation for your participation in this study. Quickpose is released as free and open-source software. Participating in this study is entirely optional, and your experience of the software will not change as a result of choosing to participate or not participate.

Costs
You will not be charged for any of the study activities.

Rights
Participation in research is completely voluntary. You are free to decline to take part in the project at any time. Whether or not you choose to participate in the research and whether or not you choose to continue participating in the project, there will be no penalty to you or loss of benefits to which you are otherwise entitled.

Benefits
We hope that the information gained from this research study will go to benefit future creative support tools, version control systems, and human-computer interaction research.
This tool is also open-sourced and freely available. The information you provide will help its quality and its suitability for creative tasks. If you choose to use the tool, the information you provide might subsequently benefit you in this way.

Questions
If you have any questions about this research, please feel free to contact me. I can be at reached at erawn@berkeley.edu

If you have any questions or concerns about your rights and treatment as a research subject, you may contact the office of UC Berkeley's Committee for the Protection of Human Subjects, at 510-642-7461 or subjects@berkeley.edu.

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Consent
You have been given a copy of this consent form to keep. If you wish to participate in this study, you will be prompted upon starting a new project in the Quickpose interface to indicate your consent.