

Consent form

Purpose of the Study

You are invited to participate in a research study that examines the usability and effectiveness of a block-based programming language compared to GitHub Actions for automating software workflows. The goal is to understand how different interfaces affect user experience and task performance in CI/CD (Continuous Integration / Continuous Deployment) scenarios.

Procedures

If you agree to participate:

- You will be asked to complete a series of tasks using both a block-based interface and GitHub Actions.
- You may be asked to think aloud while performing tasks.
- Your screen may be recorded, and you may be asked to participate in a short interview or fill out a post-task questionnaire.
- The study will take approximately [60–90] minutes.

Risks and Discomforts

There are minimal risks associated with this study. You may experience mild frustration while working with unfamiliar tools. You may stop at any time without penalty.

Benefits

You will not receive direct benefits from participating. However, your input may contribute to improvements in developer tooling and user interface design.

Confidentiality

Your data will be anonymized. All recordings and responses will be stored securely and used solely for research purposes. Your identity will not be revealed in any reports or publications.

Voluntary Participation

Your participation is voluntary. You may withdraw at any time without penalty or loss of benefits.

Compensation

No compensation

Contact

If you have questions or concerns about this study, you may contact the investigator at hugo.a.giao@inesctec.pt. For concerns about your rights as a participant, use the same contact.

Consent

- ☐ I have read and understood the information above.
- ☐ I understand that my participation is voluntary and that I may withdraw at any time.
- ☐ I consent to the recording of my screen during the study.
- ☐ I agree to participate in this study.

Participant Name: _____

Participant Signature: _____

Date: _____