Trinity College Dublin
Coláiste na Tríonóide, Baile Átha Cliath
The University of Dublin

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PARTICIPANT INFORMATION LEAFLET

Using AI to Evaluate GitHub Repositories
Participant Information Leaflet

- All students at Trinity College Dublin aged over 18 who are not at risk of vulnerability, do not require support to give consent and who do not have a dependent relationship with the researcher are eligible to take part.
- Students may contact dcliffor@tcd.ie to indicate interest and take part in the project.
- The target population of the project involves students undertaking CSU22013 or CSU33013 (Software Engineering Project I/II) however other students are welcome to take part, once they fulfil the above criteria.
- The project may also work aside DUCSS in recruiting students to take part in projects within the society. This will allow for more data analysis relevant to the project and provide a great learning experience for the students who take part.
- The project will allow for an overview of my code quality and skills. If participating as part of a group, metrics regarding collaboration and enhanced skill information will be shown.
- The project will provide feedback and allow students to enhance their coding abilities. They will also be able to assess their development and learning.
- The project will allow projects to be graded in a more efficient way going forward and may allow for enhanced recruitment, however participation in this project will not have any impact on my academic performance. Any information shared will not be used for grading or shared with anyone involved in the grading process. Assessment details are only viewable by the Principal Investigator (Darragh Clifford) and the participant.
- Participants are encouraged to use similar services and contrast these with the service created as part of this project.
- Participation in the project should only take 10-20 minutes per week and participants are not required to use services or meet every week. They are free to end their participation at any time and any personal data including code and GitHub/GitLab/code repository data will be deleted.
- All relevant information will be deleted upon completion of the project.
- Participation involves:
    - Collection of code, either sent directly to the Primary Investigator via email or obtained with the participant's permission from GitHub, GitLab or other code repositories. This will be used to assess the participant's coding abilities, skills and, where relevant, collaboration metrics. The results of my assessment will be accessible only by the Principal Investigator, the participant and, where applicable, collaboration metrics will be accessible by all the Software Engineering Project team members. These results will not be shared with anyone involved in the grading of

projects and will not have an impact on the participant's academic record. The code may be retained securely in OneDrive until the completion of the project.

- If everyone including the participant consents to the collection of scrum meeting recordings, this data will be held for the duration of the project. Disguised extracts from meetings may be quoted in the Principal Investigator's project and will be retained for up to two years from the date of the exam board. This will be used exclusively for the assessment of the performance of the Principal Investigator's service. The participant will be notified if their disguised extract is included in the report. Such data will be retained securely in OneDrive.
- If everyone in the participant's Software Engineering group including the participant consents to the collection of other data from GitHub, GitLab or other code repositories, data such as tickets and their content, Kanban board information and commit history will be collected to assess collaboration metrics and further skills analysis. This data will be retained until the completion of the project and will be retained securely in OneDrive.
- Data from GitHub, GitLab or other code repositories may be sent to AI/LLMs for enhanced analysis of code quality, skills and, where relevant, collaboration metrics. Such data will be anonymised and the participant will not be identifiable from the data sent to such services.