

Content of the Consent Form:

- **Project Name:** Assessing the Quality of Automatically Generated Systems and Software Requirements by Large Language Models
- **Principal Investigator:**  
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- **Research Assistant:**  
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Email: s.hassani@uottawa.ca
- **Introduction:**  
Before agreeing to participate in this research project, please take the time to read and carefully consider the following information. This document explains the purpose of the research project, its procedures, risks, and benefits. You are invited to participate in a research study aiming to evaluate software artifacts generated by Large Language Models (LLM), specifically focusing on Gherkin specifications for food-safety monitoring systems. This project is conducted by the University of Ottawa's research team led by Profs Mehrdad Sabetzadeh and Daniel Amyot. The study is funded by NSERC through grants RGPIN-2020-03991 and RGPAS-2020-00076.
- **Study Description:**  
You will review and provide feedback on LLM-generated Gherkin specifications using an online Google Sheets format. The expected duration of your participation is approximately 6 hours, divided as needed to suit your schedule, as long as you can finish your tasks within 10 days.
- **Consent Process:**  
To participate in this study, please read this document carefully and provide your consent by submitting a confirmation through the provided online form. There is no need for verbal or audio consent as all communications and submissions are handled electronically.
- **Confidentiality:**  
Your participation in this study will be completely anonymous, and no personal data or responses will be traceable back to you in any published material.
- **Voluntary Participation:**  
Your participation is entirely voluntary, and you may withdraw at any time. If you choose to withdraw, any data you have provided will be excluded from the study.
- **Compensation:**  
You will be compensated based on the completion of specific tasks. Specifically, you will receive \$8 for each Gherkin scenario evaluation task you begin, with a total of 12 tasks available. If you complete all tasks, you will receive a total of \$96. Also, a completion bonus of \$54 will be provided to participants who complete all 12 tasks, bringing the total potential compensation to \$150.  
If you choose to withdraw from the study before completing all assigned tasks, you will still receive compensation for the tasks you have started. Specifically, you will receive \$8 for each task you begin, regardless of whether you complete the entire set of tasks. However, you will not be eligible for the \$54 completion bonus unless all tasks are completed. Compensation will be provided upon the completion of the study or upon withdrawal, based on the number of tasks started. The method of compensation will be agreed upon in this consent document and may include options such as direct deposit or university account credit.

- **Risks and Benefits:**

There are no known risks associated with participating in this study. Participants may benefit from the experience by gaining insights into requirements specification, agile development, and legal compliance.

- **Further Information and Contact:**

If you have questions at any time about the study or the procedures, you may contact the research supervisors at the email addresses above.

- **Ethics Approval:**

REB has approved the ethical components of this study. Participants should print a copy of the consent form to keep for their personal records.

If you have any concerns about your rights as a participant or the ethical conduct of this study, please contact:

The Protocol Officer for Ethics in Research, University of Ottawa

Tabaret Hall, 550 Cumberland Street, Room 154

Ottawa, ON K1N 6N5

Tel.: 613-562-5387

Email: [ethics@uottawa.ca](mailto:ethics@uottawa.ca)

- **Confirmation:**

By checking the box "I agree to participate" below, you indicate that you have understood the information and agree to participate in this research study.

By checking the box "I agree to participate" below, you indicate that you have understood the information and agree to participate in this research study.

☐ I agree to participate.

☐ I do not wish to participate.

**Participant's name and signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Researcher's name and signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_