

Content of Recruitment Form

- **Subject:** Invitation to Participate in Research on LLM-Generated Requirements Specifications

Dear uOttawa student,

We are inviting you to participate to a research study aiming to evaluate software artifacts generated by Large Language Models (LLM), specifically focusing on their use in creating Gherkin specifications for regulatory provisions. This research is motivated by real-world applications and seeks to enhance the quality and usability of AI-generated artifacts, compared to those that might be created by knowledgeable software engineers. The study will be conducted solely in English. Therefore, participants must have sufficient proficiency in English to engage effectively with the study materials. Participants will be selected on a first-come, first-served basis.

- **Details of Participation:**

Your participation will involve reviewing and providing feedback on LLM-generated Gherkin specifications through an online Google Sheets format. You are expected to commit 12 tasks. If you complete all tasks, you will receive \$8 per task and an additional completion bonus of \$54, which in total is \$150. If you withdraw at any part in the project, you will receive \$8 per task you have completed.

- **Procedure:**

- 1) Review LLM-Generated Artifacts: Access a set of Gherkin specifications generated by LLMs via a provided Google Sheets link.
- 2) Provide Feedback: Evaluate each specification for accuracy and completeness, and suggest necessary revisions.
- 3) Submit Feedback: Enter your responses directly into Google Sheets, ensuring an efficient process.

- **Benefits of Participating:**

- 1) Gain firsthand experience with reviewing requirements and test cases in Agile development,
- 2) Contribute to advancements in the field of AI-enabled software engineering,
- 3) Receive compensation for your valuable insights and time.

- **Confidentiality:**

Your participation will be completely anonymous, ensuring that no personal data or responses can be traced back to you in any published material.

- **Voluntary Participation:**

Participation in this study is entirely voluntary. You may withdraw at any time without any consequences. If you are interested in participating, please indicate your interest by replying to Shabnam Hassani <s.hassani@uottawa.ca>. In your email, please explain how you are meeting the qualifications in terms of familiarity with Agile development, BDD and software engineering. For any questions or further information, please feel free to contact us at s.hassani@uottawa.ca.

Thank you for considering this opportunity to advance our understanding of AI's role in software engineering.

Best regards,

Mehrdad Sabetzadeh, Daniel Amyot, Shabnam Hassani University of Ottawa