Ethical Considerations Checklist and Declaration

Project Description

Briefly explain the methodology of your study. Give sufficient detail that a non-expert in the subject can understand what you are proposing to do.

This project concerns development of a graphical desktop-based software application to support corporate Requirements Engineering (RE), whereby requirements may be associated with sentences in First-Order Logic (FOL) and subject to automated reasoning. In addition to machine-assisted reasoning, the Tool should include capabilities for organisation of requirements in complex projects consisting of multiple subsystems, assignment of requirements to stakeholders, generation of requirement reports, and integration with software unit-testing frameworks.

The objectives of this project are, in decreasing order of priority:

1. Development of a tool for Specification and Organisation of Requirements
2. Automated Reasoning Support of FOL Knowledge Bases (support consistency checking of requirements)
3. Integration with Unit Testing
4. Report Generation using LaTeX or similar

External Datasets

If you are using external datasets, please (a) identify the dataset(s) giving sufficient details; (b) identify the relevant licence or terms of use for the dataset(s) and justify why your project would be compliant with those terms; (c) if the data is about humans, also provide evidence that the data was initially collected with consent.

No external datasets in use.

Potential Ethical Issues

Does your project involve any of the following? Please mark Yes or No for **all** issues.

Issue	Yes / No
Human participants (adults or children)	No

Human data (e.g. data collected through surveys and questionnaires on issues such as lifestyle, housing and working environments, or attitudes and preferences, or datasets including human data)	No
Datasets that require permission from the data provider	No
Applications that could potentially involve unethical practice, including potential dual-use applications (e.g. projects involving tools or data that can be used for unethical purposes e.g. to attack systems)	No
Funding sources or collaboration with potential to adversely affect existing relationships or bring the University or Department into disrepute (e.g. projects related to gambling, dark market, etc.)	No
Restrictions on dissemination (e.g. not being allowed to publish certain datasets or results)	No
Military or defence context	No
Overseas countries under regimes with poor human rights record or identified as dangerous by the Foreign & Commonwealth Office	No
Human material (e.g. tissue or fluid samples), vertebrates, especially mammals and birds, or any other organisms not previously mentioned	No

If you answered **No** to all the above, you do not need ethical approval.

If you answered **Yes** to any of the above, you must complete a Fast-Track Ethical Approval Form, get it signed off by your project advisor, and submit it for approval to the Departmental Ethics Officers.

Student Declaration

I have considered the ethical implications of this project, all the terms and conditions and permissions of any datasets being used, and I have identified no significant ethical implications requiring an ethical approval application.

Student Name	Oliver Dixon
Student Signature	Signed electronically
Date	20th October 2025