

School of Computer Science

Research Ethics Committee (CS REC)



Ethics application for research that obtains personal data through a survey (questionnaire) and renders that data anonymous at the point of collection

Section A. Information to be provided to the Research Ethics Committee, along with Section B

1. The applicant	
Applicant's name	Yichen Lu
Applicant's role	Student 20215622
UoN email address	scyy115@nottingham.ac.uk
Module / course details	COMP3003 Undergraduate Projects
Supervisor/PI's name	Andrew French
Supervisor/PI's email address	andrew.p.french@nottingham.ac.uk
Clinical advisor's name	<i>If applicable</i>
Clinical advisor's email address	<i>If applicable</i>

2. The project	
Project title	Food Recipe Generator: an APP with Recipe1M+ to recognise dishes recipes from images
Proposed start date	04/10/2022
Date and version of application	2/3/2023 the First version
Type of application	First submission
Application ID (if known) ¹	CS-2022-COMP3003-20215622

3. Change log
<i>If this is a revision or re-submission, summarise how the application has been changed in response to the reviewers' comments, or delete if not applicable</i>

4. Modifications and related applications

¹ An ethics application is usually allocated an ID by the CS REC *after* initial submission.

*If you seek approval to modify a research project that has already received ethics approval in some way and is currently live or ongoing, or for a new research project that is very similar to one that has previously been approved and only contains minor modifications, please provide the application ID and describe the modifications in detail here. The reviewers will assess whether a new application is required or if this update may be appended to the original / related application. You do not need to complete the rest of this form, unless updates are also required to specific sections. If so, please list which sections have been updated and **highlight them for the reviewers' attention**.*

5. Research ethics checklist (part one)	
Answer all questions:	Yes/No
a) Does the study involve participants who are unable to give informed consent (e.g., children, people with learning disabilities or dementia, prisoners, your own students)?	No
b) Will the study involve participants who are particularly vulnerable? ²	No
c) Will it be necessary for participants to take part in the study without their knowledge and consent at the time (e.g., covert observation of people in non-public places)?	No
d) Will it be necessary for participants to be kept in ignorance, misled or deceived at any point in the study (e.g., if revealing the full aims of the project during the consent process would undermine the research)?	No
e) Will the study involve the discussion of sensitive topics (including but not limited to racial or ethnic origin, political opinions, trade union membership, religious or philosophical beliefs, health or participant's sex life or sexual orientation)?	No
f) Will participants be asked to discuss anything or partake in any activity that they may find embarrassing or traumatic?	No
g) Is it likely that the study will cause offence to participants for reasons of ethnicity, religion, gender, sexual orientation or culture?	No
h) Are drugs, placebos or other substances (e.g., food substances, vitamins) to be administered to the study participants or will the study involve invasive, intrusive or potentially harmful procedures of any kind?	No
i) Is pain or more than mild discomfort likely to result from the study?	No
j) Could the study induce psychological stress or anxiety or cause harm or negative consequences beyond the risks encountered in normal life?	No
k) Will the study involve prolonged or repetitive testing for each participant?	No
l) Will financial inducement (other than reasonable expenses and compensation for time) be offered to participants?	No
m) Will the study involve the recruitment of patients, staff, tissue sample, records or other data through the NHS or involve NHS sites and other property?	No
n) Does the research pose any risks to the researchers, participants, culture, the environment, and/or the reputation of those involved in the research or the reputation of university?	No

² A vulnerable person is defined as someone "who is or may be in need of community care services by reason of mental or other disability, age or illness; and who is or may be unable to take care of him or herself, or unable to protect him or herself against significant harm or exploitation" (Department of Health *No Secrets: Guidance on Protecting Vulnerable Adults in Care*, 2000)

5. Research ethics checklist (part two)	
Answer all questions:	Yes/No/NA
a) For research conducted in public, non-governmental and private organisations and institutions (such as schools, charities, companies and offices), will approval be gained in advance from the appropriate authorities?	NA
b) If the research uses human participants, personal data or the use of biological material, will explicit consent be gained?	Yes
c) Will participants be informed of their right to withdraw from the study at any time, without giving explanation?	Yes
d) If data is being collected, will this data be anonymised before publication or sharing?	Yes
e) Will participants be assured of the confidentiality of any data?	Yes
f) Will all data be stored in accordance with the Data Protection Act?	Yes
g) Will participants be informed about who will have access to the data?	Yes
h) If quotations from participants will be used, will participants be asked for consent?	Yes
i) If audio-visual media (voice recording, video, photographs etc) will be used, will participants be asked for consent?	Yes
j) If digital media (e.g., computer records, http traffic, location logs) will be used, will participants be asked for consent?	Yes
k) If the research involves contact with children, will appropriate safeguards be in place (e.g., supervision, DBS checks) if required?	Yes
l) If research data itself is to be published, shared or reused (e.g., alongside a publication or in an archive), will participants be asked for consent?	Yes

If you have answered “no” to all questions in part 1 and “yes” or “NA” to all applicable questions in part two of the research ethics checklist, your research is deemed to involve **minimal risk** and you may go to Section A7.

If you have answered “yes” to any of the questions in part 1 or “no” to any applicable questions in part 2 of the research ethics checklist, the research is deemed to involve **more than minimal risk**. Please explain overleaf (Section A6) why this is necessary and how you plan to deal with the ethical issues raised.

6. Research involving more than minimal risk

Explain here **why it is necessary** to conduct research involving more than minimal risk, what the risks are, and what steps will be taken / measures put in place to mitigate those risks.

7. Data processing	
Data subjects	<i>Students, members of the public</i>
Data to be collected	<i>Data about the user experience and willingness to use the software</i>
How data will be collected	<i>Survey</i>
How data will be anonymised at point of collection	No identifiers such as name, address, postcode are collected
Pre-processing of data	<i>Any identifying information will be removed from free text responses</i>
Data analysis	<i>Store the survey result in excel file, create a graph to present customer satisfaction, analysis the text feedback to improve the software</i>
Data sharing	<i>None</i>
Data storage	<i>Food Master feedback.csv will be stored in OneDrive with 365 account. Student Yichen Lu</i>

8. Participant recruitment
a) How participants will be recruited
<i>Classmate, Social volunteer</i>
b) Incentives
<i>None</i>
c) Compensation
<i>None</i>

9. Further information
<i>Draft questionnaires</i>

10. Applicant declaration	
Please confirm each of the following statements:	Yes/No
The research is minimal risk	Yes

A data management plan has been put in place		Yes
Applicant	Yichen Lu	
Date	14/03/2023	

11. Supervisor/PI declaration		
Please confirm each of the following statements:		Yes/No/NA
I have completed ethics training		Yes
The proposed research complies with the UoN Code of Research Conduct and Research Ethics		Yes
I have reviewed the data management plan and it complies with CS REC guidance <i>If the applicant and the PI are the same, the DMP should be submitted with the ethics application for review by CS REC.</i>		Yes
Supervisor/PI	Andrew French	
Date	14/03/2023	

Section B. Information to be provided to survey participants

PROJECT TITLE: Food Recipe Generator: an APP with Recipe1M+ to recognise dishes recipes from images

1. Why we are asking you to take part in our survey
a) Aims and objectives of our research
<i>Completing the software assessment. Analysis the usage of each page and user satisfaction</i>
b) Funder information
<i>None</i>
c) Governance
This research has been approved by the School of Computer Science Research Ethics Committee (CS REC), ethics application ID <i>insert ethics application ID once assigned</i>

2. Taking part in the survey
<i>The survey will investigate user's feedback to the theme of the whole software, and using experience. There are six questions in the survey which probably takes people 3mins to finish it.</i>

3. Risks of participation
a) Risks
<i>No</i>
b) Mitigation of risks
<i>No</i>

4. What we use the survey data for
<ul style="list-style-type: none">• The data collected by the questionnaire will be analysed to meet the aims and objectives of our research described in Section 1• It may be reviewed and discussed in supervision sessions between researchers and their supervisors or in research meetings between members of the research team, including project partners• Anonymous quotations of comments made by participants may be used in scientific works, including presentations, reports and publications stored in databases and posted online and in marketing materials that promote the research and its findings.

5. Your ethical rights
a) Right to withdraw

You have the right to withdraw at any time during the survey without explanation. However, it will not be possible to delete any data you provide after the questionnaire has been completed as the data is anonymous and we cannot track who provided it.

6. Consent to participate	
<p>a) I consent to participate in the survey and confirm the following:</p> <ul style="list-style-type: none">• I understand the aims and objectives of the research• I understand what taking part in the survey requires me to do• I accept the risks of participation• I understand how the survey data may be used• I understand that I can withdraw at any time without explanation during the survey• I agree to participate and my participation is voluntary	<p><i>Checkbox or submit button (as appropriate)</i></p>