

School of Computing RESEARCH ETHICS COMMITTEE

APPLICATION FORM FOR ETHICAL REVIEW OF A RESEARCH PROJECT INVOLVING HUMAN PARTICIPANTS WHICH IS IN THE CATEGORY OF NOTIFICATION ONLY

There are 3 generally accepted levels of ethical review for projects carried out in a University or similar setting. These are notification only, expediated and full committee.

This notification only level of review is to approve relatively low-risk research involving human participants, primarily using social science methodologies in which any personal information collected is not of a sensitive nature. The School of Computing Research Ethics Committee has been delegated responsibility by the University to approve ethics submissions from undergraduate and taught Masters projects only, which are in the category of notification only.

Examples of projects in this category include:

- Anonymous surveys in which the topic itself is not likely to elicit significant difficulties for the participants, such as: anonymous internet surveys (e.g. Survey Monkey), street questioning.
- Observation (without audio or visual recording) of public settings where privacy would not normally be expected, such as observing people on streets or at sports events.
- Research carrying no risks beyond those of everyday life (as experienced by the intended participant population), such as asking people's opinions about products or services; asking students about educational experiences; monitoring the impact of daily activities.
- Interviews with public figures, professionals or others in their professional capacity regarding their professional activities.
- Analysis of data (e.g. health records) which have had all identifying information removed by the data holder and been provided to the researcher in accordance with data protection legislation.
- Collection of biological samples which are anonymised and do not require invasive techniques (e.g. hair, nails).

If your project is using data from a public repository like Kaggle or is not generating or using any form of personal data then you do not need research ethics approval, you do not need to complete and to submit this form and your project supervisor should indicate this on the project dashboard.

If your project involves collecting or processing <u>personal data which is of a personal nature</u>, you must first complete the DCU online Data Protection training course and review the <u>"Data Protection – Key Points for DCU Researchers"</u> guidance from the Data Protection Unit to assist you in meeting your legal obligations under GDPR and associated Irish law.

Once you have completed this form (if you need to) you should save it as a PDF file, not WORD, and upload it to the your project dashboard before you start gathering data. It will then be read and assessed by two members of the committee and once two members of the committee approve your submission you will be automatically notified by email and your project can start data gathering.

There are strict deadlines for submitting this form for each class group, undergraduate and taught Masters by which your submission must be made and you will be informed of these deadlines by your course board chair or project co-ordinator. If you do not submit by these deadlines then the research ethics committee is not obliged to approve your submission and when that happens and your project is assessed and graded at the end of the year, you will be awarded 0 for that component of your project.

SECTION 1 – GENERAL DETAILS			
1.1 Project Title			
1.1 1 Toject Title			
ScholarHomes			
1.2 Applicant Details			
Name	Student or Sup	Arvisor	E-mail
Ryan Shannon	Student	ei visoi	ryan.shannon8@mail.dcu.ie
Jomi Kafi	Student		jomi.kafi2@mail.dcu.ie
Mark Humphry	Supervisor		Mark.Humphrys@dcu.ie
			7.0.0.0.0
Other Investigators: Including	any external to	DCU	
Name	School/Unit/Ext	ternal Institution	E-mail
Silvana	DCU		Silvana.MacMahon@dcu.ie
1.2 Key Breiget Dates			
1.3 Key Project Dates Proposed start date for data	Proposed end	date for data	Proposed project
collection	collection		completion date
23/10/2023	31/10/2023		13/4/2024
1.4 Please indicate which a	cademic award	Taxabi Mastana 🗖	
Undergraduate \square X		Taught Masters	
1 5 Places confirm the least	tion(s) where th	o rosoorob will bo s	parried out
1.5 Please confirm the local			e ethical challenges raised by this
			ch Abroad document in the Ethics
Resources and Guidelines se			
	<u> </u>	Troobaron Enno We	iopago).
Ballymun Road, Glasnevin, D	oublin, IE D09 W6	6Y4	
,	•		
1.6 Please state what additi	onal permission	ns may be required	to access participants.
Specify from whom the permi	ission is required	l (e.g. a school Board	d of Management), and when their
written approval will be obtain	ned		
N/A			

SECTION 2 – PROJECT DESIGN AND METHODOLOGY

Research Overview - Please respect the indicated word counts in the following sections and explain all acronyms in full text the first time they appear.

2.1 Provide a brief description of the research (max 250 words):

Please use lay language, include the scientific/theoretical background of study and a justification as to why this research project should proceed in that context

This research will prove pivotal in shaping the application we develop for our final year project. We require the feedback of our participants in order to realise what issues they face. Without their input, we may develop an application that our target demographic may not even want. Our Research will require us to interview both property owners and students who have experience with student accommodation. Our questions will be tailored to provide us with insight into the experiences these participants faced during the student accommodation process.

2.2 Please state the aims and objectives of the project (max 200 words)

This project aims to create a digital portal that helps property owners and students connect with one another so that they can organise accommodation.

The main objectives are, to increase the accessibility of accommodation for students, to elevate the level of security of both students and landlords and to give parties more control over where they are staying or who will be staying with them.

We also aim to provide features on our application that give landlords and students the opportunity to interact with one another before committing to a long-term engagement with one another.

2.3 Please confirm your methods of data collection:

Tick all relevant check boxes and provide details for each one, including any devices used to collect data, and whether the data will be anonymous, potentially identifiable or identifiable at point of collection

Method	Describe briefly
□X Interviews or focus groups	Informal interviews that aim to have participants open up about their honest experience with student accommodation. Information they provide will remain confidential and anonymous.
□X Surveys/questionnaires	If we are unable to have a physical interaction with a participant, we will create a google survey that the participant will fill out. As stated previously, information they provide will remain confidential and anonymous
☐ Audio/video recordings	
☐ Public observations	
☐ Persons in public office	
☐ Using existing data (incl.	

	DCU Research Support
secondary data)	
☐ Using human derived	
material (biological samples)	
☐ Standard tests	
(educational/personality etc.)	
☐ Standard educational	
practices	
☐ Other (please specify)	
composition:	ticipants on this study will be, including group size and characteristics, and state how your proposed sample size was
colleges around Ireland but are m	dublin. These students are spread out throughout the different ainly concentrated in Dublin. 3000 international students in Ireland by the higher education
are scattered throughout Dublin, t	ay be interested in renting rooms to students. These properties being more concentrated in the city centre. 00,000 property owners in Dublin in 2020 according to the
from and your criteria for inclus	nent process, including where you are sourcing participants sion/exclusion: outline the procedures relating to their involvement
reach out to students we are pers including students who have expe outside of Dublin and are living in	s through societies and clubs we are affiliated with. We can also onally acquainted with who meet our requirements. We are crience living in student accommodation I.e. students living Dublin for college and international students. Students who do ent accommodation are excluded.
find accommodation. We can also students before. We are including students in the past I.e. an Irish fa	ations and social media groups that focus on helping students or reach out to personal acquaintances who have accommodated property owners that have experience renting a room to amily renting a spare room to a college student and Aspen. If the exproviding accommodation for students, they are excluded.
categories, please check the re arrangements will be made to p If your participants are not in any	of these categories, tick N/A
☐ Children under 18 years of age	
□ Persons in unequal relationship	os with the researcher (e.g. lecturer-student, therapist-client,

employer-employee)

DCU Research Support

☐ People with a recognised or diagnosed intellectual, physical or mental impairment
☐ People confined to institutions (e.g. prisoners, residents in 24 hr nursing facilities)
☐ People who have undergone traumatic or adverse emotional events
☐ People with diminished cognitive ability
☐ Marginalised sections of society
☐ Other (please specify)
Special arrangements:
The participant groups we aim to interview do not fall into the following categories
2.7 Involvement of children under 18 years of age – if your participants are in this category,
2.7 involvement of children under 10 years of age — if your participants are in this category,
please confirm compliance with the following:
please confirm compliance with the following: If your participants are not in this category, tick N/A
please confirm compliance with the following: If your participants are not in this category, tick N/A X N/A We confirm that we have read and agree to act in accordance with the DCU Child Protection
please confirm compliance with the following: If your participants are not in this category, tick N/A
please confirm compliance with the following: If your participants are not in this category, tick N/A
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findings or outcomes of the project

The results of these interviews will be used to improve building our digital student-accommodation application ScholarHomes. As such, we do not deem it necessary to disclose these findings to the participants who participated in our surveys. Upon completion of the data collection stage, we will email each participant and thank them for their contribution to the project.

SECTION 3 – ETHICAL ISSUES AND RISK MANAGEMENT

3.1 Please identify all issues including ethical issues which may arise in the course of thi
research. What are the potential risks to participants, and how will those risks be addresse
or minimised?

Potential risks can be physical, psychological, social, legal, etc. Please include details of any additional support being provided for participants during/after the study

Participants may feel uncomfortable when conducting interviews. In order to prevent this, we plan on having informal interview in a calm environment in order to ensure the participant is at ease. We will also be sure to ask open ended questions that allow participants to tell us as much or as little about their experiences as they please.

3.2 Please identify the potential benefits (direct and/or indirect) to those participating in this research:

Potential benefits should outweigh the potential risks to participants

By participating in this research, they are contributing to building an application that aims to expand the market of student accommodation available. This is beneficial for students seeking accommodation, and potentially the participant in the future.

3.3 Please describe what measures/protocols you have put in place in the event that there are any unexpected outcomes or adverse effects to participants arising from involvement in the research:

During the interview process we intend to have a break for participants to use the rest room or get something to eat. If the participant shows discomfort or any concerns arose during the interview, the interview will conclude, and the participant will be notified.

3.4 Do you intend to	provide payment or incent	ves to participants?
Yes □	No □ X	
If Yes, please consul	It the REC Guidelines on th	e Use of Compensation and Incentives (in the
Ethics Resources and	d Guidelines section of the 💆	CU Research Ethics webpage) before providing
additional details below	W	
N/A		

Please consider the location/environment where the research is being conducted, exposure to distressing data content etc.

Yes □	No □ X

If Yes, please describe further and explain what risk management procedures will be put in place to minimise these risks to researchers:

N/A		
Please consider any of the research, or given		flicts of interest that might influence the integrity and reporting the research, or affecting publication
Yes □ X	No □ y and explain the steps being to	
As we are students, v	we may hold an inherent bias valents from colleges other than	while researching this topic, to address this we DCU to broaden our perspective of the issue

3.7 Please describe how the conduct of the research will be monitored:

Regular oversight by the PI is required to ensure the project conforms to the procedures set out in this application (especially where several people are involved in carrying out the research procedures)

We will ensure that all relevant documents have been processed before conducting any interview or survey. We will also ensure that participants we are interviewing are not venerable before conducting any interview. We will adhere to only asking the questions we have previously received approval for (contained in our survey-questions.pdf)

We will have a checklist to go through each of these steps to ensure that they are followed throughout the process of each interview.

SECTION 4 – CONFIDENTIALITY AND DATA MANAGEMENT

4.1 Considering your previous response in section 2.3 of the form on data collection, please confirm whether you are collecting or processing personal data in this research project: Personal data is any information about a living person, where that person is either identified, or could be identified from the data itself, or when it is combined with other data. This includes paper based, electronic and biological samples data. If your data is fully and completely anonymous, it is not personal data.
Yes ⊠ No □
Tes 🖂 NO 🗆
If Yes, please confirm your compliance with the following by ticking the checkboxes:
We confirm that we have completed the DCU Data Protection training module on Loop.
We confirm that we have read the <u>"Data Protection − Key Points for DCU Researchers"</u>
guidance on the DCU Data Protection Unit (DPU) website and agree to protect and manage our
data in accordance with same.
project, and confirm that all DPU GDPR requirements have been met prior to submitting this
application (e.g. completion of Data Protection questionnaire, confirmation that any survey tool
being used is GDPR compliant, that required Data Processing or Sharing Agreements will be in
place, etc.)
4.2 Data access – please confirm whether access to participant data is confined to the investigators named on this application:
Yes ⊠ No □
If No, please name who the other individuals are and why they need access. Any proposed transfer
of data (including outside of the EU) should be detailed here.
4.3 Data storage – please confirm compliance with the following:
 ☑ Data storage – please commit compliance with the following: ☑ Data collected on mobile devices will be protected with a strong password/passphrase at a
minimum, and/or encrypted if the device supports it
☐ Data will be removed from mobile devices as soon as is practicable and stored in a secured
location in DCU (on server or institutional Google Drive)
☐ Paper based data will be held securely in locked cabinets in DCU, with access restricted to the
named researchers
Specific arrangements in relation to biological samples should be stated here:
Any exemptions to the above compliance statements should be justified here:
Our application does not require any paper based data.

research:	be responsible for the secure storage of data generated by the
Name the relevant DCU invest	figator/s
Jomi Kafi	
Ryan Shannon	
4550	
4.5 Please confirm how long	
	tion 15: Retention of Personal Data in the "Data Protection – Key
	guidance on the DCU Data Protection Unit (DPU) website
We will be holding the data for	approximately 8 to 9 months
4.C. Diagram and interval	have not the date calleged at the and of the aturbu.
	happen to the data collected at the end of the study:
	box and complete the associated follow-up section for that category
Archived	Destroyed ⊠ Other □
4.6.1 Archived data	
Please provide the following de	etails:
Name the DCU staff member	
responsible for archival and	
future use of data	
Confirm whether the data will	
be made available to other	
researchers, and if so, how?	
Confirm how the data will be	
prepared for archive (e.g. will	
datasets be anonymised)	
Confirm where the data will	
be archived and who will be	
allowed to access it	
	<u></u>
4.6.2 Destroyed data	
Please provide the following	details – Note: for student projects, the supervisor must take
	ion if there is no guarantee the student will have access to the data a
the time of destruction	
Please justify why the data	Malware, viruses, or software bugs can lead to data corruption or
will be destroyed	loss. In some cases, a corrupted operating system can make
,	data inaccessible. Unauthorized access and data breaches can
	lead to data destruction, either as a result of malicious intent or
	as a security measure to prevent further breaches.
	The state of the s
Name the DCU researcher	Mark Humphry
responsible for destruction of	
data	
Confirm when the data will be	01/06/2024
destroyed (specify date)	V I/VV/LVLT
Confirm compliance with the	✓ Floatronic data will be overwritten/sequrely deleted
<u> </u>	☐ Electronic data will be overwritten/securely deleted
following destruction methods (tick relevant boxes)	☐ Paper based data will be confidentially shredded
methods (tick relevant boxes)	
	relevant DCU approved SOP

4.6.2 Other - Please explain what will ha	ppen to the data if not	peing archived or destroyed	d
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N/A the data will be destroyed after the 8 to 9 months is up.

SECTION 5 - PARTICIPANT INFORMATION AND INFORMED CONSENT PROCEDURES

In addition to completing this form you are required to attach, within the single PDF that you submit, a copy of (1) the Participation Information Sheet which you share with your participants and (2) a copy of the Informed Consent Form which your participants sign.

5.1 Please confirm that the following items have been addressed in your Participant Information Sheet which should be shared with all participants whether it involves online or in-person data gathering:

The items below should be used as headings in yourinformation sheet. Note the language used under each item must reflect the participant age group and corresponding comprehension level— if your participants have different comprehension levels (e.g. both adult and child participants) then separate sheets must be prepared for each set. Templates are available via the <u>REC Forms</u>—Applications. Templates and Amendments section of the Research Ethics website.

Introductory Statement (Researcher names and titles, school, title of the research study) What is this research about? Why is this research being conducted? Why have you been invited to take part? What will happen if you decide to take part in this research study? How will your data be used? How will your privacy be protected (including any legal limits to confidentiality)? What are the benefits of taking part in this research study? What are the risks of taking part in this research study? What are the risks of taking part in this research study? Can you change your mind at any stage and withdraw from this study? How will you find out what happens with this project? Contact details for further information If you marked any item as No, please explain and justify why: As there is no guarantee that the application will be released to the market, we cannot protect information will be available at a later date. 5.2 Informed Consent Procedures — please confirm whether written consent is obtained: Please tick the relevant checkbox Yes X No If Yes, describe the procedures by which written consent will be obtained. If you are involving participants, you will also need to obtain their written assent. Templates are available via the Forms - Applications, Templates and Amendments section of the Research Ethics website. We will use a template informing the participant of why we are collecting this data, how it wused and that anything they say will be kept annonymous.	Checklist – tick the relevant check box for each item	Yes	No
Why is this research being conducted? Why have you been invited to take part? What will happen if you decide to take part in this research study? What will happen if you decide to take part in this research study? How will your data be used? How will your privacy be protected (including any legal limits to confidentiality)? What are the benefits of taking part in this research study? What are the risks of taking part in this research study? What are the risks of taking part in this research study? Can you change your mind at any stage and withdraw from this study? Whow will you find out what happens with this project? Contact details for further information If you marked any item as No, please explain and justify why: As there is no guarantee that the application will be released to the market, we cannot protect that information will be available at a later date. 5.2 Informed Consent Procedures – please confirm whether written consent is obtained: Please tick the relevant checkbox Yes No If yes, describe the procedures by which written consent will be obtained. If you are involving participants, you will also need to obtain their written assent. Templates are available via the Forms - Applications, Templates and Amendments section of the Research Ethics website. We will use a template informing the participant of why we are collecting this data, how it we will use a template informing the participant of why we are collecting this data, how it we will not be a suitable via the participant of why we are collecting this data, how it we will use a template informing the participant of why we are collecting this data, how it we will use a template informing the participant of why we are collecting this data, how it we will be a suitable via the participant of why we are collecting this data, how it we will be a suitable via the participant of why we are collecting this data.	Introductory Statement (Researcher names and titles, school, title of the research study)	□X	
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What are the risks of taking part in this research study? Can you change your mind at any stage and withdraw from this study? How will you find out what happens with this project? Contact details for further information If you marked any item as No, please explain and justify why: As there is no guarantee that the application will be released to the market, we cannot prothat information will be available at a later date. 5.2 Informed Consent Procedures – please confirm whether written consent is obtained: Please tick the relevant checkbox Yes X No If Yes, describe the procedures by which written consent will be obtained. If you are involving participants, you will also need to obtain their written assent. Templates are available via the Forms - Applications, Templates and Amendments section of the Research Ethics website. We will use a template informing the participant of why we are collecting this data, how it we will use a template informing the participant of why we are collecting this data, how it we will also need to obtain their written assent.	How will your privacy be protected (including any legal limits to confidentiality)?	□X	
Can you change your mind at any stage and withdraw from this study? How will you find out what happens with this project? Contact details for further information If you marked any item as No, please explain and justify why: As there is no guarantee that the application will be released to the market, we cannot protect that information will be available at a later date. 5.2 Informed Consent Procedures – please confirm whether written consent is obtained: Please tick the relevant checkbox Yes	What are the benefits of taking part in this research study?	□X	
How will you find out what happens with this project? Contact details for further information If you marked any item as No, please explain and justify why: As there is no guarantee that the application will be released to the market, we cannot protect that information will be available at a later date. 5.2 Informed Consent Procedures – please confirm whether written consent is obtained: Please tick the relevant checkbox Yes	What are the risks of taking part in this research study?	□X	
Contact details for further information	Can you change your mind at any stage and withdraw from this study?	□X	
If you marked any item as No, please explain and justify why: As there is no guarantee that the application will be released to the market, we cannot protect that information will be available at a later date. 5.2 Informed Consent Procedures – please confirm whether written consent is obtained: Please tick the relevant checkbox Yes	How will you find out what happens with this project?		
If you marked any item as No, please explain and justify why: As there is no guarantee that the application will be released to the market, we cannot protect that information will be available at a later date. 5.2 Informed Consent Procedures – please confirm whether written consent is obtained: Please tick the relevant checkbox Yes	Contact details for further information	ПХ	
obtained: Please tick the relevant checkbox Yes □ X	As there is no guarantee that the application will be released to the market, we c	annot pi	omis
	As there is no guarantee that the application will be released to the market, we c	annot pi	romis
	As there is no guarantee that the application will be released to the market, we ce that information will be available at a later date. 5.2 Informed Consent Procedures – please confirm whether written conditions obtained: Please tick the relevant checkbox Yes No If Yes, describe the procedures by which written consent will be obtained. If you are participants, you will also need to obtain their written assent. Templates are available	nsent is	s to

N/A

DCU Research Support

If you are gathering data from an online process such as Google Form or SurveyMonkey then you should use a page such as the one below, to capture participants' informed consent and your data gathering should not proceed until participants have completed this form with the appropriate answers.

Participant - please complete the following (by clicking Yes/No for each question)

I have read the Plain Language Statement (or had it read to me) *	I understand I may withdraw from the Research Study at any point *
Yes	O Yes
O No	O No
I understand the information provided *	I have read and understand the arrangements to be made to protect confidentiality of data, including that confidentiality of information provided is
○ Yes	subject to legal limitations *
O No	○ Yes
	O No
I have had an opportunity to ask questions and discuss this study ${\mbox{^{\bullet}}}$	I have read and understand confirmations relating to any other relevant information as indicated in the PLS *
○ Yes	○ Yes
O No	○ No
I understand the information provided in relation to data protection *	I consent to participate in this research study *
○ Yes	O Yes
O No	○ No
I have received satisfactory answers to all my questions *	
○ Yes	
O No	

SECTION 6 - SUBMISSION CHECKLIST AND RESEARCHER DECLARATION

6.1 Please confirm all required supplementary documentation to be included in this application within Section 7:

	T	T
Checklist – tick the relevant check box for each item	Yes	N/A
Participant Information Sheet/s	$\square X$	
Informed Consent Form/s	□X	
Informed Assent Form/s		
		X
Recruitment Advertisement		□X
Questionnaire/Survey	□X	
Interview/Focus Group Questions	□X	
Debriefing Material		
		X
Bibliography		
		X
Approval from another Research Ethics Committee		
		X
Evidence of other external approvals (e.g. Board of Management letter)		
		X
Evidence of internal approvals (e.g. BSC approval review letter)		
		X
Other – provide details here:		
		X
6.2 Signed Declaration		
By submitting this form, the applicant (and supervisor) agree to the following:		

By submitting this form, the applicant (and supervisor) agree to the following:

The information contained herein is, to the best of my knowledge and belief, accurate. I have read the University's current research ethics guidelines, and accept responsibility for the conduct of the procedures set out in the attached application in accordance with the form guidelines, the REC guidance and resources, the University's Conflict of Interest Policy, its Code of Good Research Practice and any other condition laid down by the Dublin City University Research Ethics Committee. I have attempted to identify all risks related to the research that may arise in conducting this research and acknowledge my obligations and the rights of the participants.

I also acknowledge my requirement to be informed as to other duties and legal obligations applying to my research, and to comply with these duties and obligations - this includes being informed about DCU Data Protection guidelines for researchers, DCU Child Protection policy and procedures (where relevant) and DCU Insurance requirements.

I and my co-investigators and/or supporting staff have the appropriate qualifications, experience and facilities to conduct the research set out in the attached application and to deal with any emergencies and contingencies related to the research that may arise. Research will not commence until required consents and approvals are in place.

Electronic Sign	ature(s):			
Supervisor:	MARK HUMPHRY			
Print	Name	here:	MARK	HUMPHRY
Date:19,	/10/2023			

DCU Research Support

Student(s)	signa	ture(s):	Jomi	Kafi	&	Ryan	Shannon
Print	Name(s)here:	JOMI	KAFI	&	RYAN	SHANNON
Date:19	/10/2023						

SECTION 7 – SUPPLEMENTARY DOCUMENTATION

Please attach all required documentation as confirmed by you in the previous section. The application should then be saved as one file in <u>PDF format</u> before submission via the project dashboard.



Participant Information Sheet

Title of the Study: Student accommodation market research

Principal Investigator(s): Ryan Shannon & Jomi Kafi

Affiliation: DCU, Faculty of engineering and computing

Contact Information: Ryan Shannon - Jomi Kafi

0852325324 - 089434911

ryan.shannon8@mail.dcu.ie - Jomi.kafi2@mail.dcu.ie

Introduction:

Dear Participant,

We invite you to participate in a research study conducted by DCU. Before you decide to participate, it is important for you to understand why the research is being conducted and what your participation will involve. Please take your time to read the following information carefully and feel free to ask any questions you may have before making your decision to participate.

Purpose of the Study:

The purpose of this study is to gain insight into the student accommodation process. We aim to identify the pains and gains stakeholders face during this process. We will then use the knowledge we have gained from this study to design an application that addresses these issues and make the process of organizing accommodation between landlords and students easier.

Study Procedures:

If you agree to participate, you will be asked to take part in an informal survey OR fill out a Google Form. The estimated time required for your participation is approximately 10-15 minutes.

Risks and Benefits:

There are no anticipated risks associated with participating in this study. Your participation will contribute valuable information to the research field, which may help improve student accommodation for your peers and potentially yourself in the future should this application be released to the market.

Confidentiality:

Your privacy is important to us. All the information you provide will be kept confidential and will only be accessible to the research team. Any data shared in publications or presentations resulting from this research will be anonymized, ensuring that your identity remains confidential.

Voluntary Participation and Withdrawal:

Your participation in this study is entirely voluntary. You have the right to withdraw from the study at any time without any penalty or loss of benefits. If you choose to withdraw, any data collected up to that point will be discarded, and your decision will not affect your relationship with the researchers or DCU.

Contact Information:

DCU Research Support

If you have any questions about the study or your participation, please do not hesitate to contact the principal investigator, Ryan Shannon, at ryan.shannon8@mail.dcu.ie or 0852325324.

Consent:

By agreeing to participate in this study, you indicate that:

- You have read and understood the information provided in this Participant Information Sheet.
- You have had the opportunity to ask questions and have received satisfactory answers.
- You voluntarily agree to participate in the study.

Participant's Name:
Participant's Signature:
Date:
Email:
Thank you for considering participating in this research study. Your cooperation is greatly appreciated.
Sincerely,
Ryan Shannon,



Interview Questions

Title of the Study: Student accommodation market research

Principal Investigator(s): Ryan Shannon & Jomi Kafi

Affiliation: DCU, Faculty of engineering and computing

Contact Information: Ryan Shannon

0852325324

ryan.shannon8@mail.dcu.ie

Section 1: Questions for students

Q1.) What is your name and course of study?
Q2.) How long have you lived in student accommodation?
Q3.) What type of accommodation were you living in?
Q4.) Did you enjoy this accommodation and your reasons why?
Q5.) Was it difficult to find this accommodation?
Q6.) What did you find to be the most difficult part of this process?
Q7.) How do you feel this process could have been improved?

Section	1:	Questions	for	Landlords
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Q1.) What is your name and occupation?
Q2.) How many students have you provided accommodation for?
Q3.) What type of accommodation do you provide for students?
Q4.) Did you enjoy your student accommodation experience and your reasons why?
Q5.) Was it difficult to find student tenants for your vacancy?
Q6.) What did you find to be the most difficult part of this process?
Q7.) How do you feel this process could have been improved?



Informed Consent Form

Title of the Study: Student accommodation market research

Principal Investigator(s): Ryan Shannon & Jomi Kafi

Affiliation: DCU, Faculty of engineering and computing

Contact Information: Ryan Shannon - Jomi Kafi

0852325324 - 089434911

ryan.shannon8@mail.dcu.ie - Jomi.kafi2@mail.dcu.ie

Thank you for choosing to use [**ScholarHomes**] (the "App"). Before you start using the App, we kindly request you to read and understand the terms and conditions outlined in this Informed Consent Form. By using the App, you agree to these terms and conditions.

I, [Your Name], recognise that I have read and comprehend the terms and circumstances set forth in this Informed Consent Form, and I freely and voluntarily consent to the following:

Use of Information:

Personal Information: I acknowledge that the App may collect and keep personal information about me such as my name, email address, phone number, and payment information. This information will only be used to create and manage my account, handle reservations, and provide customer assistance.

Location Data: To increase the accuracy of accommodation search results, the App may access and collect location data. I may control my device's and the App's location settings.

User Content: On the App, I may post stuff such as reviews and ratings. I realise that this content may be exposed to other users and used to improve the App's services.

Booking and Payment:

Booking Process: I acknowledge that the App facilitates hotel reservations and payments. I promise to give current and correct payment information. Any booking made using the App is subject to the policies of the lodging provider.

Payment Security: The App will take reasonable steps to protect payment information. However, I accept that the App is not liable for any security breaches or mishaps. User Obligations:

User Conduct: I commit to use the App responsibly and legally. I shall not engage in any deceptive, damaging, or disruptive behaviour.

Content Guidelines: I understand that the information shared on the App must be factual and polite. I will not post any content that is dangerous or inappropriate.

Data Privacy:

Data Protection: The App will take reasonable steps to safeguard my personal information. I understand that my information may be shared with lodging providers to facilitate bookings.

Third-Party Services: I understand that the App may make use of third-party services (such as payment processors), each of which may have its own privacy rules.

Contact Information:

I can contact the following people if I have any questions or issues about this Informed Consent Form or the App's data processing practices

[Your Company Name]	
[Contact Email]	
[Contact Phone Number].	

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•	User's Name: _	
•	Date:	



Questionnaire/Survey

Title of the Study: Student accommodation market research

Principal Investigator(s): Ryan Shannon & Jomi Kafi

Affiliation: DCU, Faculty of engineering and computing

Contact Information: Ryan Shannon - Jomi Kafi

0852325324 - 089434911

ryan.shannon8@mail.dcu.ie - Jomi.kafi2@mail.dcu.ie

Student Questionnaire:

Introduction: Thank you for taking the time to fill out our survey for the future student housing app. Your opinion is crucial in assisting us in developing a platform that best meets your needs. Please take a few moments to respond to the following questions.

Section 1:

- 1.1. Name (Optional):
- 1.2. Age:
- 1.3. Gender:
 - Male
 - Female
 - Non-binary
 - Prefer not to say
- 1.4. Current Academic Institution:
- 1.5. Current Year of Study:

Section 2:

- 2.1. Are you currently residing in student housing?
 - Yes
 - No
- 2.2 What type of accommodation do you prefer?
 - On-campus dormitory
 - Off-campus apartment
 - Shared house
 - Other (please specify)
- 2.3 What is your budget range for monthly rent? (Please specify the range)
- 2.4 What amenities or features are most important to you in accommodation selection? (Select all that apply)
 - Proximity to campus
 - Security
 - Wi-Fi
 - Furnished rooms
 - Laundry facilities
 - Parking
 - Pet-friendly
 - Other (please specify)

Section 3:

- 3.1. What features would you like to see in a student accommodation app? (Select all that apply)
 - Search and filter options
 - Real-time availability updates
 - Reviews and ratings
 - · Messaging with landlords/roommates
 - Virtual tours of properties
 - Rent payment integration

- · Notifications for available properties
- Others (please specify)
- 3.2. What would be your preferred method for finding and securing accommodation on the app?
 - Directly contacting landlords
 - Requesting a booking through the app
 - Attending in-person viewings
 - Other (please specify)

Thank you for taking the time to fill out this survey. Your opinion will assist us in developing a better student housing software. Your suggestions are much appreciated.

Renter Questionnaire:

Introduction: Thank you for taking the time to fill out our survey for the future student housing app. Your opinion is crucial in assisting us in developing a platform that best meets your needs. Please take a few moments to respond to the following questions.

Section 1:

- 1.1. Name (Optional):
- 1.2. Age:
- 1.3. Gender:
 - Male
 - Female
 - Non-binary
 - Prefer not to say
- 1.4. Current Location:
- 1.5. Employment Status:
 - Student
 - Employed
 - Unemployed
 - Other (please specify)

Section 2:

- 2.1. Are you currently renting accommodation?
 - Yes
 - No
- 2.2. What is your budget range for monthly rent? (Please specify the range)

Section 3:

- 3.1. What features would you like to see in a student accommodation app? (Select all that apply)
 - Search and filter options
 - · Real-time availability updates
 - Reviews and ratings
 - Messaging with landlords/roommates
 - Virtual tours of properties
 - Rent payment integration
 - Notifications for available properties
 - Others (please specify)
- 3.2. How would you like to get in contact with the Students:
 - Messaging Through App
 - In Person
 - Online call
 - Others (please specify)