|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | | | **School of Creative and Digital Industries** | | | |
| **Module Title:** | Project | | | **Module Code:** | CO699 | |
| **Assignment No/Title:** | CW1 |  | | **Assessment Weighting:** | CW1 | 10% |
| CW2 |  | | CW2 | 20% |
| CW3 |  | | CW3 | 60% |
| **Submission Date:** | CW1 | 10/11/22 | | **Feedback Date:** | + 3 Weeks | |
| CW2 | 12/01/23 | |
| CW3 | 27/04/23 | |
| **M****odule Tutor:** | Justin Luker | | | **Degree:** | Degree | |
| **Student ID:** | **21905318** | | | **Student Name:** | **Amir Mohamed** | |
| **1st Supervisor:** | **Rafid Al-Khannak** | | | **2nd Supervisor:** | **Richard Bacon** | |
| **Course:** | BSc. (Hons) Software Engineering | | | | | |
| **Word Count:** | **Your Details** | | | | | |

# Project Title (Approx. 50 Words):

Your text here.

## Acknowledgments (Approx. 50 Words):

Your text here.

## Abstract (Approx. 150 Words):

Your text here.

### Table of Contents (Unlimited Words):

[Project Title (Approx. 50 Words): 2](#_Toc55903907)

[Acknowledgments (Approx. 50 Words): 3](#_Toc55903908)

[Abstract (Approx. 150 Words): 4](#_Toc55903909)

[Introduction (Approx. 250 Words): 6](#_Toc55903910)

[Background (Approx.200 Words): 7](#_Toc55903911)

[Rationale (Approx. 200 Words): 8](#_Toc55903912)

[Ethical Considerations (Approx. 200 Words) 9](#_Toc55903913)

[Aim (Approx. 50 Words): 10](#_Toc55903914)

[Objectives (Approx. 150 Words): 11](#_Toc55903915)

[Risks (Approx. 250 Words): 12](#_Toc55903916)

[Literature Survey (Approx. 1550 Words): 13](#_Toc55903917)

[Methodology (Approx. 850 Words): 14](#_Toc55903918)

[Requirements (Approx. 850 Words): 15](#_Toc55903919)

[Design (Approx. 1500 Words): 16](#_Toc55903920)

[Development (Approx. 1500 Words): 17](#_Toc55903921)

[Testing (Approx. 850 Words): 18](#_Toc55903922)

[Implementation (Approx. 850 Words): 19](#_Toc55903923)

[Conclusions (Approx. 300 Words): 20](#_Toc55903924)

[Recommendations for Further Work (Approx. 200 Words): 21](#_Toc55903925)

[Software Artefact Download 22](#_Toc55903926)

[Glossary (Unlimited Words): 23](#_Toc55903927)

[References (Unlimited Words): 24](#_Toc55903928)

[Bibliography (Unlimited Words): 25](#_Toc55903929)

[Appendix A: Project Plan (Unlimited Words): 26](#_Toc55903930)

[Appendix B: Ethics Checklist (Unlimited Words): 27](#_Toc55903931)

[Appendix C: Participant Consent Form (Unlimited Words): 30](#_Toc55903932)

[Other Appendixes (D, E, F etc. as required) (Unlimited Words): 33](#_Toc55903933)

## Introduction (Approx. 250 Words):

Your text here.

## Background (Approx.200 Words):

Your text here.

## Rationale (Approx. 200 Words):

Your text here.

## Ethical Considerations (Approx. 200 Words)

Your text here.

## Aim (Approx. 50 Words):

Your text here.

## Objectives (Approx. 150 Words):

Your text here.

## Risks (Approx. 250 Words):

Your text here.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Description of Risk** | **Risk Resolution Action** | **Impact on Project Aim** | **Impact on Project Objectives** | **Impact on Project Plan** |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

## Literature Survey (Approx. 1550 Words):

Typical sub-sections that we would expect Projects to contain would be:

Software Interface Design (UX) / Database Design / Software Development Methodologies / Software Development Languages / Software Security / Desktop/Mobile Operating Systems / Graphical Design and Manipulation / Sound Design / AI Techniques / Web Services / XML Frameworks / Project Management Techniques / Game Development Engines / Game Development Approaches and Techniques / Research Methodologies

Your text here.

## Methodology (Approx. 850 Words):

Your text here.

## Requirements (Approx. 850 Words):

Your text here.

## Design (Approx. 1500 Words):

Your text here.

## Development (Approx. 1500 Words):

Your text here.

## Testing (Approx. 850 Words):

Your text here.

## Implementation (Approx. 850 Words):

Your text here.

## Conclusions (Approx. 300 Words):

Your text here.

## Recommendations for Further Work (Approx. 200 Words):

Your text here.

## Software Artefact Download

Your text here.

## Glossary (Unlimited Words):

Your text here.

## References (Unlimited Words):

Your text here.

## Bibliography (Unlimited Words):

Your text here.

## Appendix A: Project Plan (Unlimited Words):

Your text here.

## Appendix B: Ethics Checklist (Unlimited Words):

A checklist should be completed for every research project. This is used to identify whether a full application for ethics approval needs to be submitted to the University Ethics Panel or one of its sub-committees. Further guidance can be found on the Ethics Blackboard shell.

|  |  |
| --- | --- |
| 1 Applicant details | |
| Name of Lead Researcher (applicant): |  |

|  |
| --- |
| 2 Project details |
| Project title: |
| Please provide a brief description of the project: |

|  |  |  |  |
| --- | --- | --- | --- |
| 3 Research checklist  Please answer each question by checking the appropriate box: | | | |
| Research that may need to be reviewed by an NHS Research Ethics Committee or another external Ethics Committee | | YES | NO |
| 1 | Will the study involve recruitment of patients or staff through the NHS or Social Care, or the use of NHS data or premises and/or equipment? |  |  |
| 2 | Does the study involve participants age 16 or over who are unable to give informed consent (e.g. people with learning disabilities: see Mental Capacity Act 2005)? NHS |  |  |
| 3 | Will tissue samples (including blood) be obtained from participants? |  |  |
| If you have answered ‘Yes’ to questions 1, 2 or 3 please refer to <http://www.hra.nhs.uk/> for guidance. If external ethical approval is not needed, University ethical approval will still be required. | | | |
| Research participants | | YES | NO |
| 4 | Does the study involve students within the University? |  |  |
| 5 | Does the study involve employees of the University? |  |  |
| 6 | Does the research involve potentially vulnerable groups: children, those with cognitive impairment, or those in unequal relationships? (eg your own students) |  |  |
| 7 | Does the research involve members of the public or people worked with in a professional capacity? |  |  |
| 8 | Will the study require the co-operation of a ‘gatekeeper’ for initial access to the groups or individuals to be recruited and/or to give permission for initial contact? (e.g. children, students, members of self-help group, residents of nursing home, employees). |  |  |
|  | | | |
| Research methods | | YES | NO |
| 9 | 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) |  |  |
| 10 | Will financial inducements (other than reasonable expenses and compensation for time) be offered to participants? |  |  |
| 11 | Will the study involve discussion of sensitive topics or illegal activity (e.g. sexual activity, drug use)? |  |  |
| 12 | 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? |  |  |
| 13 | Is physical pain or more than mild discomfort likely to result from the study? |  |  |
| 14 | Could the study induce psychological stress or anxiety or cause harm or negative consequences beyond the risks encountered in normal life? |  |  |
| 15 | Will the study involve prolonged or repetitive testing? |  |  |
| 16 | Is there a possibility that the safety of the researcher may be in question? |  |  |
| 17 | Will any of the research take place outside the UK (excluding on-line surveys)? |  |  |
|  | | | |
| Data and confidentiality | |  |  |
| 18 | Will the research involve administrative or secure data that requires permission from the appropriate authorities before use? |  |  |
| 19 | Will the research involve visual/vocal methods where respondents may be identified? |  |  |
| 20 | Will research involve the sharing of data or confidential information beyond the initial consent given? |  |  |
| 21 | Will the research involve security-sensitive data? (eg commissioned by the military or under an EU security call; involve the acquisition of security clearances; concerns terrorist or extremist groups). |  |  |

If any item is checked “YES” you will need to seek advice from your supervisor / course leader regarding the appropriate sub-committee for ethical approval.

4. Declarations

I have read and will abide by the University’s *Ethics Policy*.

I have read and will abide by the University’s *Code Research Practice*.

I am aware of, and will abide by the ethical guidelines published by the relevant subject and/or professional associations most appropriate to my topic.

The responses given above are an accurate and true reflection of the nature of my research project.

Applicant:

|  |
| --- |
| Name (please print): |
| Signed: |
| Date: |

Project supervisor / Line manager

I confirm that the above details are accurate, the proposed methods are appropriate, ethical concerns have been considered and that time and resources are available for the research to take place.

|  |
| --- |
| Name (please print): |
| Signed: |
| Date: |

Note: Electronic approval by above signatories is acceptable

## Appendix C: Participant Consent Form (Unlimited Words):

|  |
| --- |
|  |

**Notes**

1. Black text forms the standard content of a consent form
2. **[**Insert specific information in the highlighted square brackets**]**
3. Text notes in the grey boxes provide guidance only and are to be removed in the final consent form
4. Blue text indicates optional statements to add
5. This form must be accompanied by a participant information sheet.

Informed Consent for [name of study]

|  |  |
| --- | --- |
| **Please tick the appropriate boxes** |  |
| 1. **Taking part in the study** |  |
| I have read and understood the study information dated **[**DD/MM/YYYY**]**, or it has been read to me. I have been able to ask questions about the study and my questions have been answered to my satisfaction. | 🞏 |
| I consent voluntarily to be a participant in this study and understand that I can refuse to answer questions and I can withdraw from the study at any time, without having to give a reason. I can withdraw my data up until [DD/MM/YYYY] which is the final date before data is analysed. | 🞏 |
| I understand that taking part in the study involves **[**…………………………………………**]**.  Describe in a few words how information is captured, using the same terms as you used in the information sheet, for example: an audio-recorded interview, a video-recorded focus group, a survey questionnaire completed, an experiment, etc.].  For interviews, focus groups and observations, specify how the information is recorded (audio, video, written notes).  For questionnaires, specify whether participant or researcher completes the form.  For audio or video recordings, indicate if these will be transcribed as text, and whether the recording will be destroyed.  If there is a potential risk of participating in the study, then provide an additional statement:  I understand that taking part in the study has **[**……………………………….**]** as potential risk. | 🞏  🞏 |
| 1. **COVID-19 safety** |  |
| I confirm that I have not had any of the following symptoms in the last 14 days: fever, dry, persistent cough or a loss of sense of taste or smell. | 🞏 |
| I confirm that I am not in the clinically extremely vulnerable category and therefore advised to shield at home by the government. | 🞏 |
| I confirm that to the best of my knowledge, I have not been in close contact with anyone with confirmed COVID-19 in the last 14 days. | 🞏 |
| I confirm I am aware of the requirement for social distancing whenever possible, hand decontamination, and use of face-covering during the research and that the researcher may also use further PPE. | 🞏 |
| I confirm I have been told about the cleaning of the venue and equipment before/after my attendance. | 🞏 |
| It has been confirmed by the researcher that they have not shown any of the above-named symptoms of COVID-19 nor, to the best of their knowledge, been in close contact with anyone with confirmed COVID-19 in the last 14 days. | 🞏 |
| 1. **Use of the information in the study** |  |
| I understand that information I provide will be used for **[**………………………………….……**]**.  List the planned outputs, e.g. reports, publications, website, video channel etc., using the same terms as you used in the study information sheet. | 🞏 |
| I understand that personal information collected about me that can identify me, such as my name or where I live, will not be shared beyond the study team.  Under some circumstances, access to this information should be restricted to the researcher only. | 🞏 |
| I consent to the processing of my personal information for the purposes of this research study. I understand that such information will be treated as strictly confidential and handled in accordance with current UK Data Protection legislation. | 🞏 |
| If you want to use quotes in research outputs, add: I agree that my information can be quoted in research outputs. | 🞏 |
| If you want to use named quotes, add: I agree that my real name can be used for quotes. | 🞏 |
| If written information is provided by the participant (e.g. diary), add: I agree to joint copyright of the **[**specify the data**]** to **[**name of researcher**]**. | 🞏 |
| 1. **Future use and reuse of the information by others** |  |
| I give permission for the **[**specify the data**]** that I provide to be used for future research and learning.  Specify in which form the data will be stored, e.g. de-identified (anonymised) transcripts, audio recording, survey database, etc.. If needed, repeat the statement for each form of data you plan to store.  Specify whether stored data will be de-identified (anonymised), and how. Make sure to describe this in detail in the information sheet.  Specify whether use or access restrictions will apply to the data in future, e.g. exclude commercial use, apply safeguarded access. | 🞏 |
| 1. **Signatures** |  |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_  Name of participant [IN CAPITALS] Signature Date |  |
| For participants unable to sign their name, mark the box instead of signing  I have witnessed the accurate reading of the consent form with the potential participant and the individual has had the opportunity to ask questions. I confirm that the individual has given consent freely.  \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_ \_\_  Name of witness [IN CAPITALS] Signature Date |  |
| I have accurately read out the information sheet to the potential participant and, to the best of my ability, ensured that the participant understands to what they are freely consenting.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_ \_\_\_\_\_\_ \_\_ Name of researcher [IN CAPITALS] Signature Date |  |
| 1. **Study contact details for further information**   **[**Name, phone number, email address**]** |  |

**One copy to be kept by the participant, one to be kept by the researcher**

## Other Appendixes (D, E, F etc. as required) (Unlimited Words):