<TEAM LOGO>

<TEAM NAME>

<PROJECT NAME>

<APP NAME>

<Group Members and Student ID list here>

<Team Number>

User Experience Engineering SE3050

Department of Computer Science and Software Engineering, Faculty of Computing, Sri Lanka Institute of Information Technology (SLIIT)

# Declaration

We declare that this is our own work, and this report does not incorporate without acknowledgment any material previously submitted for a degree or diploma in any other university or institute of higher learning, and to the best of my knowledge and belief it does not contain any material previously published or written by another person except where the acknowledgment is made in the text. Also, we hereby grant to Sri Lanka Institute of Information Technology the non-exclusive right to reproduce and distribute our report in whole or part in print, electronic, or another medium. We retain the right to use this content in whole or part in future works (such as articles or books).

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# Abstract

<<It outlines the

problem,

the purpose of the report,

the main areas addressed and methodology

the general solution and

conclusion you will be defending. >>

Table of Contents

[Declaration 1](#_Toc142253700)

[Abstract 2](#_Toc142253701)

[List of Figures 7](#_Toc142253702)

[List of Tables 8](#_Toc142253703)

[List Of Abbreviations 9](#_Toc142253704)

[1 Introduction 10](#_Toc142253705)

[2 Background 11](#_Toc142253706)

[2.1 Problem identified 11](#_Toc142253707)

[2.2 Competitive product(s) and Identified Gaps 11](#_Toc142253708)

[2.3 Solution 11](#_Toc142253709)

[2.4 System Overview Diagram 11](#_Toc142253710)

[2.5 Design Purpose 11](#_Toc142253711)

[2.6 Team Members 11](#_Toc142253712)

[2.7 Contribution Table 11](#_Toc142253713)

[3 Design Process 12](#_Toc142253714)

[3.1 User Involvement 12](#_Toc142253715)

[4 Milestone 1: Identify user groups 13](#_Toc142253716)

[4.1 Persona(s) – 04 personas from a group 13](#_Toc142253717)

[4.2 Empathy map(s) – 04 Empathy maps from a group 13](#_Toc142253718)

[4.3 User stories – 04 User stories from a group 13](#_Toc142253719)

[4.4 User flow(s) - 04 User flows from a group 13](#_Toc142253720)

[4.5 Service Blueprint(s) – 01 Service Blueprint from a group 13](#_Toc142253721)

[4.6 Identify basic functionality of the proposed system 13](#_Toc142253722)

[5 Milestone 2: Plan and conduct user research 14](#_Toc142253723)

[6 Milestone 3: Verify the key-user flow(s) 15](#_Toc142253724)

[6.1 Verify the identified functionality (Milestone 1) of the proposed system 15](#_Toc142253725)

[7 Competitor Analysis 16](#_Toc142253726)

[7.1 <Competitor 1> 16](#_Toc142253727)

[7.2 Advantage 16](#_Toc142253728)

[7.3 Disadvantage 16](#_Toc142253729)

[7.4 Translation 16](#_Toc142253730)

[7.5 <Competitor 2> 16](#_Toc142253731)

[7.6 <and so on …> 16](#_Toc142253732)

[8 Milestone 4: Sketching & Wireframes 17](#_Toc142253733)

[9 Milestone 5: Figma Prototype 18](#_Toc142253734)

[9.1 Design 1 18](#_Toc142253735)

[9.2 Design 2 - accepted 18](#_Toc142253736)

[9.3 High Fidelity Prototype 18](#_Toc142253737)

[9.4 Design 1 18](#_Toc142253738)

[9.5 Design 2 - accepted 18](#_Toc142253739)

[10 Milestone 6: User Feedback for your Prototype 19](#_Toc142253740)

[11 Milestone 7: Implementation 20](#_Toc142253741)

[12 Requirement Specification 21](#_Toc142253742)

[12.1 Usability Goals 21](#_Toc142253743)

[12.2 User Experience Goals 21](#_Toc142253744)

[12.3 Functional Requirements 21](#_Toc142253745)

[12.4 Non-Functional Requirements 21](#_Toc142253746)

[12.5 Hierarchical Task Analysis 21](#_Toc142253747)

[12.5.1 <Task 1> 21](#_Toc142253748)

[13 Design Principles 22](#_Toc142253749)

[14 Project Management 23](#_Toc142253750)

[14.1 Meetings 23](#_Toc142253751)

[14.2 Risk Management 23](#_Toc142253752)

[14.3 Milestones 23](#_Toc142253753)

[14.4 Problems Encountered 23](#_Toc142253754)

[15 Conclusion 24](#_Toc142253755)

[References 25](#_Toc142253756)

[Glossary 26](#_Toc142253757)

[Appendix 27](#_Toc142253758)

[15.1 Initial User Survey Responses 27](#_Toc142253759)

[15.2 Meeting Minutes 27](#_Toc142253760)

[15.3 Record Keeping 27](#_Toc142253761)

[15.4 Toggl tracking 27](#_Toc142253762)

[15.5 Links to Google Docs / MS Teams 27](#_Toc142253763)

[15.6 Contribution Table 27](#_Toc142253764)

**Tip #1:** The purpose of this template is to ensure you cover the main content required in your report. However, this report template is not absolute. Rather, it is a guide and you don’t have to follow it exactly. You can add or replace some sections if needed. Following this template exactly does not guarantee full marks. Marks depend on the quality of the content of the report.

**Tip #2:** There is no minimum or maximum page limit, Note, the report must be professionally and succinctly written with emphasis on clarity. Content that is not essential should not be included. There may be a suggested word limit for some sections.

**Tip #3:** Although not essential, you may choose your own document template to deliver a beautifully presented industry-ready report (e.g. Envato Elements or Microsoft Page Layout designs may be useful).

**Tip #4:** Read this whole document early in the course.

# List of Figures

# List of Tables

# List Of Abbreviations

# Introduction

Provide a brief introduction to the project and its objectives. Include a background that explains the context of the project and its importance. Mention any relevant information about the target market and industry.

# Background

## Problem identified

Clearly define the problem that the mobile application aims to solve. Discuss the pain points and challenges faced by the target users. Explain why there is a need for a unique solution in the market.

## Competitive product(s) and Identified Gaps

Analyze existing competitive products or solutions that attempt to address the identified problem. Highlight their strengths and weaknesses. Identify gaps in the current market that your mobile application intends to fill.

## Solution

Describe your proposed solution in detail. Explain how your mobile application will address the identified problem and stand out from existing solutions. Highlight the key features and functionalities of the application.

## System Overview Diagram

Include a high-level diagram that illustrates the system's architecture and how different components of the mobile application interact with each other.

## Design Purpose

Describe the goals you want to achieve from designing your GUI. Is it about user-friendliness? Usability? Efficiency? Attractiveness?

## Team Members

List the team members and their role.

## Contribution Table

Create a table that lists everyone’s contribution on each section. Multiple group members can contribute to any single section.

# Design Process

Explain the use of the Design thinking model

## User Involvement

Describe how you would involve the user in the user-centred design process. Remember that you may NOT actually survey real people for this assignment (due to lack of ethics approval). However, you should describe your plan on how you would involve them.

# Milestone 1: Identify user groups

## Persona(s) – 04 personas from a group

## Empathy map(s) – 04 Empathy maps from a group

## User stories – 04 User stories from a group

## User flow(s) - 04 User flows from a group

## Service Blueprint(s) – 01 Service Blueprint from a group

## Identify basic functionality of the proposed system

# Milestone 2: Plan and conduct user research

# Milestone 3: Verify the key-user flow(s)

## Verify the identified functionality (Milestone 1) of the proposed system

# Competitor Analysis

List some of the similar competitor programs or real-world solutions and discuss their advantages and disadvantages. For example, if you are developing a jobs website, competitors may be other job websites or a bricks and mortar HR company. The competitor does not have to be in the same domain but just represent a company that is solving a problem well. Describe some features that the other company does successfully that your team can borrow to use in the context that is relevant to your app.

Choose two or three competitors. Include your design thinking workshop showing your thorough analysis of their features and processes and how they may be translated to your app.

## <Competitor 1>

## Advantage

## Disadvantage

## Translation

## <Competitor 2>

## <and so on …>

# Milestone 4: Sketching & Wireframes

# Milestone 5: Figma Prototype

This is where you showcase all the prototypes. Include the link to the Figma website.

## Design 1

## Design 2 - accepted

## High Fidelity Prototype

## Design 1

## Design 2 - accepted

# Milestone 6: User Feedback for your Prototype

# Milestone 7: Implementation

# Requirement Specification

## Usability Goals

Describe what usability goals you want to achieve.

## User Experience Goals

Describe what user experiences you want to achieve.

## Functional Requirements

List the functional requirements that you require from this program. Keep in mind we are focusing on the interface design in this unit. The functionalities are not the main focus.

## Non-Functional Requirements

List the non-functional requirements here. This includes performance, security, usability, localization, and reliability.

## Hierarchical Task Analysis

### <Task 1>

# Design Principles

What design principles did you use?

# Project Management

Describe the evaluation of your overall design process.

## Meetings

Describe how you conduct meeting (frequency, deadline, communication platform, etc..)

## Risk Management

Describe any risk to be considered when you are completing this project.

## Milestones

Put your milestones timeline here.

## Problems Encountered

Any unexpected obstacles? Put it here and describe how you address them.

# Conclusion

Summarise the result of this project and any lessons learned.

# References

List any references you use for this report such as figures, tables, screenshots, or websites.

# Glossary

# Appendix

## Initial User Survey Responses

This includes survey/questionnaire questions you write to get relevant data.

## Meeting Minutes

List all the meeting minutes that you record for this assignment.

## Record Keeping

## Toggl tracking

Use toggl to track each team members hours and present a neat summary here.

## Links to Google Docs / MS Teams

## Contribution Table

Create a table that lists team members contributions towards each section in this report. Multiple group members can contribute to any single section.