University of Plymouth

School of Engineering, Computing, and Mathematics

COMP3000

Final Stage Computing Project

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ICU Tracker App

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# Acknowledgements

# Abstract

# Introduction

# Background

Objectives

Deliverables

Current fitness apps

# Legal, Social and Ethical

Social Issues

Legal Issues

UX ethical issues (Due to ICU)

# Project Management

Methods of project management

## Project Management technologies

GitHub

Trello

Sprints

Devops/development pipeline

# System Architecture and Design

## Planning documents

UML

ERD

Fitness App Research

Technologies Research

PID

User Stories

Functional & non-functional requirements

Risk assessment

Interactive Storyboard – figma

## Technologies

SQL

WebAPI/azure

Insomnia

Xamarin

3rd party technologies – microcharts, loading etc

# Development

Week 1 – Starting, requirements gathering.

Week 2 – research into technologies needed

Week 3 – research into fitness apps

Week 4 – Storyboard/UI design

Week 5 – ERD/API Design

Week 6 – Storyboard Testing

Week 7 – Database development

Week 8 – Front-end development

Week 9 – WebAPI Development

Week 10 – Connecting of API to app

Week 11 – Testing of application

Week 12 – Bug fixes and final changes

# Testing

User Testing

UX Testing

Testing with Insomnia

# Conclusion

# References

# Appendices