

College of Science and Technology

School of Science and Technology

# SOFT30121: Advanced Analysis and Design

# Systems Analysis Design and Implementation

*By*

*N0012345: Your Name*

PROJECT TITLE HERE

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SOFT30121: Advanced Analysis and Design i

Systems Analysis Design and Implementation i

1. Design Documentation 3

1.1. Architecture Diagram 3

1.2. Deployment Diagram 3

1.3. Process Diagram 3

1.4. Structure Diagram 3

2. User Help documentation 3

2.1. Feature 1 3

3. Non-Functional Requirements 4

3.1. Usability requirements 4

3.2. Reliability requirements 4

3.3. Performance requirements 4

4. Interfaces 5

4.1. User interfaces 5

4.2. Hardware interfaces 5

4.3. Software interfaces 5

5. Use Case Modelling 6

5.1. Use Cases 6

5.2. Misuse cases 6

6. Project Plan: 7

References 8

7. 8

Bibliography 8

8. 8

# Design Documentation

Welcome to the sample template for your systems development report. You can alter this document as you like – even discard it and start one of your own. There are many examples of requirements specification templates online for you to use as well.

## Architecture Diagram

Include your architecture diagram here and explain why you have used it and what it shows

## Deployment Diagram

Include your deployment diagram here and explain why you have used it and what it shows t

## Process Diagram

Include your process diagram here and explain why you have used it and what it shows

## Structure Diagram

Include your structure diagram here and explain why you have used it and what it shows –make sure to talk about the design pattern used.

# User Help documentation

Explain how to run and use your system. Provide installation instructions including any necessary dependencies.

For a first class, this should also include evidence that this user help documentation is useful.

# Acceptance test plan

Include your test plan here. Evidence any tools or techniques you have used for testing. Be sure to state which pass and which do not

## Functional tests

Which pass, which don’t which functional requirement is being address etc.

## Performance requirements

## Unit tests

# Interfaces

Describe the logical characteristics of each interface between the software product and the users, and any external systems. This may include sample screen images (consider using balsamiq!), any GUI standards or product family style guides that are to be followed, screen layout constraints, standard buttons and functions (e.g., help) that will appear on every screen, keyboard shortcuts, error message display standards, and so on.

## User interfaces

## Hardware interfaces

## Software interfaces

# Use Case Modelling

## Use Cases

* Provide a summary of the major functions that the product will perform. Organize the functions to be understandable to the customer or a first-time reader. Include use cases and business scenarios or provide a link to a separate document (or documents). A business scenario:
* Describes a significant business need
* Identifies, documents, and ranks the problem that is driving the scenario
* Describes the business and technical environment that will resolve the problem
* States the desired objectives
* Shows the “Actors” and where they fit in the business model
* Is specific, and measurable, and uses clear metrics for success

## Misuse cases

* Provide some examples of functions that should not be possible to perform in the system. These may help you meet any security requirements you have.

# Project Plan:

This may be considered as separate from the rest of the document, as it is not concerned with the system, but how you are going to organise your team to build it.

Explain which agile methodology you will use, what tools you will use to track progress, source control etc.

Take a look at your interfaces and assign them “T-shirt sizes” (XS, S, M, L, XL).

References

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References here in Harvard referencing style. Use MS Word citing and referencing feature.

Bibliography

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Bibliography here in Harvard referencing style.