**LEAN TECHNICAL DOCUMENTATION**

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[Student Number]

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# Introduction

<Introduce the different projects that make up the entire solution to be solved over the semester. Explain what problem(s) you are trying to solve for>

<Describe the solutions that should be developed>

# Solution Design

## Detailed Solution Design

<Explain the technologies that will be used and how they interact. Introduce the context flow diagram>

Figure 2‑1: Context Diagram

## Data Design

The context diagram is broken down into more detail to show how the different technologies will interact with one another within the developed solution. The transportation of data, across the solution, is detailed in the data flow diagram below.

Figure 2‑2: Data Flow Diagram

<Data flow diagram explanation>

<Introduce the data design>

Figure 2‑3: Data Design

## Technical Assumptions

The following assumptions have been made while designing the solution:

* All license allocations will be done before development commences.
* <List all other assumptions, especially relating to business rules>

## Technical Caveats

The following caveats have been raised as part of the solution design. These caveats would need to be addressed and may have an impact on the design.

* <List all other caveats, especially relating to technical limitations>

## Wireframes

All prototypes for the reports can be found below:

# Errors & Exceptions

## Business Exceptions

The following business exceptions should be built into the solution:

| Exception Name | Step | Parameters | Action To Be Taken |
| --- | --- | --- | --- |
|  |  |  |  |

Table 1: Business Exceptions

## Application Errors

The following application (unknown) errors may occur as part of the solution:

| Exception Name | Step | Parameters | Action To Be Taken |
| --- | --- | --- | --- |
|  |  |  |  |

Table 2: Business Exceptions

# Environment Details

The development of the solution would need to be executed as per the designated development strategy. The information below represents the solution and the appropriate environment(s) that will be used to implement the overall solution:

| Item | Description |
| --- | --- |
| Environment Type | Development  Testing  Production |
| Credentials Needed |  |
| Development Technologies Used |  |
| Deployment Technologies Used |  |
| Scalable |  |

Table 4‑1: Project Details