Requirements Engineering

Title of System

Submitted By: Student Name (T-Number)

Computing with Games Development/Software Development/Multi Media

Date Submitted: dd/mm/yyyy

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# Introduction/overview

**Normal** text here

# Functional Components

Include a ***hierarchy chart*** representing the functional components of your system in this section.

Use the MS Word Insert 🡪 SmartArt 🡪 Hierarchy object

Logical ordering of functional components is significant – the reader of this document should read about the functions in ***logical sequence***

Don’t forget to REMOVE the notes above ……….

# User Requirements

High level **abstract statements** describing the user requirements.

This should be consistent with the hierarchy chart in section 2.

Requirements to be listed in exactly same order as in section 2.

* **1** Linen
  + **1.1** The system will add new linen to the table of available linen.
  + **1.2** The system will update the details of the linen.
  + **1.3** The system will delete linen from the table of available linen.
* **2** Order
  + **2.1** The system will log orders from the customer.
  + **2.2** The system will calculate the cost and quantity of an order.
  + **2.3** The system will dispatch the linen for a required order
  + **2.4** The system will collect the laundry the customer wants cleaned
  + **2.5** The system will record the amount owed by the customer and if they have paid.
* **3** Customers
  + **3.1** The system will add customer details to a table of customers.
  + **3.2** The system will update a customer’s information.
  + **3.3** The system will remove any obsolete customer.
* **4** Admin
  + **4.1** The system will calculate the total yearly earnings of the company.
  + **4.2** The system will calculate the total earnings per customer.
  + **4.3** The system will track the amount of rejects.
  + **4.4** The system will track the cost of the rejects in a given time period.

# System Requirements

Include a brief overview of the system requirements.

Your hierarchy chart / User requirements summarise these……..

## System Level Use Case Diagram

A brief introduction of the high-level modules/components of the system…..

System level UC diagram to be included here….

## Module 1 (Use active Verb + Noun)

Outline the functions to be delivered in this component.

### Functional Requirement 1 (Use active verb + noun)

Start each on a NEW page

Include the following, in the order listed:

* A description of the function
* Use Case Diagram
* Activity Diagram (**for complex requirements only**)
* Use Case Narrative
* A sample listing/report if required

### Functional Requirement 2 (Use active verb + noun)

### Functional Requirement 3 (Use active verb + noun)

## Module 2 (Use active Verb + Noun)

### Functional Requirement 1 (Use active verb + noun)

### Functional Requirement 2 (Use active verb + noun)

## Module 3 (Use active Verb + Noun)

### Functional Requirement 1 (Use active verb + noun)

### Functional Requirement 2 (Use active verb + noun)

# System Model

The following dataflow diagrams have been produced for the system:

## Level-0 DFD

## Level-1 DFD

## Level-2 DFD (Process P1: Title)

## Level-2 DFD (Process P2: Title)

## Level-2 DFD (Process P3: Title)

# Data Model (Class Diagram)

Brief introduction……

## Class Diagram

Object Model – UML Class Diagram

Class diagram shows objects & attributes

## Relational Schema

Relational schema for the data requirements - Using ***bracket notation***

## Database Schema

A definition of the database to be implemented.

This includes primary key, foreign key and other constraints to be implemented.

# Conclusion

# Appendices

## Appendix A – Title

## Appendix B – Title

Might include:

* **Lookup / Reference tables**
* **Sample reports / Listings**