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| --- | --- |
| Software Requirements Specification  Name of your need/Opportunity here | Abstract  [Draw your reader in with an engaging abstract. It is typically a short summary of the document. When you’re ready to add your content, just click here and start typing.]  Enter Your Name here  VCE Software Development |

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# Introduction

***Assessment Criteria 3: Interpretation of data to identify and document the software requirements specification (10 marks)***

* Draws a complete set of conclusions that are connected to, and consistent with, the data represented in the analytical tools.
* Describes specifically and accurately all the functional and non-functional solution requirements, relevant constraints and the scope of the solution.
* Using study-specific language, describes precisely and accurately all relevant aspects of the technical and organisational environment of the solution.
* Assembles all the documentation clearly, accurately and logically. It is fit for purpose.

## Purpose & User Characteristics

{Provide a short description of the software being specified, its purpose and audience}

{Provide a description of the expected end users of the solution.}

{ Identify the various user classes that you anticipate will use this product. User classes may be differentiated based on frequency of use, subset of product functions used, technical expertise, security or privilege levels, educational level, or experience. }

{Describe the pertinent characteristics of each user class. Certain requirements may pertain only to certain user classes. }

# Scope

## Items within Scope

*{Provide a short description of the software being specified and its purpose, including relevant benefits, objectives, and goals. Relate the software to corporate goals or business strategies. The scope defines what the software solution* ***will do and what it won’t do****. It defines what the boundaries of the solution will be and what benefits there will be for users. In a way the scope identifies the responsibilities and parameters of the solution}*

*{List the software’s capabilities}*

**The items that are within scope of this project include:**

* **List them here (paragraphs please)**

## Items Outside the Scope *{If applicable}*

*{Provide a short paragraph to state what won’t be included and the reason why this might be}*

## Operating Environment

{Describe the environment in which the software will operate, including the hardware platform, operating system and versions, and any other software components or applications with which it must exist}

{A diagram of the network could be included in the appendix}

## Application Architecture

{Describe the application architecture in which the client’s new solution will use. You have to discuss the application architecture that your client’s solution will use. There are different types, use Janson’s book ed. 3 and refer to the notes in the factsheet.to decide which architecture best suits your client’s needs.

# Functional Requirements

*{Itemize the detailed functional requirements. Include how the product should respond to anticipated error conditions or invalid inputs. Requirements should be concise, complete, unambiguous, verifiable, and necessary. Each requirement should be uniquely identified with a sequence number.}*

*{Add additional rows until all functional requirements are listed}*

|  |  |  |
| --- | --- | --- |
| No | Requirement | Notes |
| FR01 |  |  |
| FR02 |  |  |
|  |  |  |

# Non-Functional Requirements

*{Itemize the non-functional requirements such as user-friendliness, response rates, robustness, portability, reliability and maintainability. Write these to be specific, quantitative, and verifiable when possible. Each requirement should be uniquely identified with a sequence number.}*

*{Add additional rows until all non-functional requirements are listed}*

|  |  |  |
| --- | --- | --- |
| No | Requirement | Notes |
| NFR01 |  |  |
| NFR02 |  |  |
|  |  |  |

# Constraints

*{Describe any items or issues that will limit the options available to the developers}*

# Appendix

***Assessment Criteria 2: Skills in analytical tools to depict relationships between data, users and networks (10 marks)***

* Identifies a complete and relevant set of data for analysis and uses a wide range of appropriate collection methods and techniques.
* Identifies accurately all features of the selected analytical tools.
* Depicts accurately all of the relationships between the data, users and the network in each analytical tool.
* Applies all techniques correctly and consistently in all analytical tools.

## Data Collection

***{Describe the data collection methods utilized during analysis}***

***{Justify the appropriateness of the collection methods with reference to its ability to determine needs and requirements}***

***{Data collection methods should be descriptive and not be singular words e.g. questionnaire.}***

***{Add additional rows as required}***

|  |  |
| --- | --- |
| Collection Method | Justification |
|  |  |
|  |  |
|  |  |

***{A copy of all data collection tool(s) and record of data collected should be included as part of the appendix}***

## Context Diagram

***{A copy of the context diagram should be included as part of the appendix}***

## Data Flow Diagram

***{A copy of the data flow diagram should be included as part of the appendix}***

## Use Case

*{Itemize each Use Case}*

*{Add additional rows until all use cases are listed}*

|  |  |  |
| --- | --- | --- |
| No | Use Case | Notes |
| UC01 |  |  |
| UC02 |  |  |
|  |  |  |

## Use Case Diagrams

***{A copy of the use case diagram should be included as part of the appendix}***

## Network Diagram (if applicable)

***{A copy of the network diagram*** *could* ***be included as part of the appendix}***