Software Requirements Specification

Version 1.0

<<Annotated Version>>

June 15,2020

Development of the work system at the center of Horizon Line commercial

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<<Any comments inside double brackets such as these are *not* part of this SRS but are comments upon this SRS example to help the reader understand the point being made.

Refer to the SRS Template for details on the purpose and rules for each section of this document.

This work is based upon the submissions of the Winter 22/11/2018. The students who submitted these team projects were Sawsan Tarraf , Sara Khrebook, Ghfran Deeb . >>

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# 1.0. Introduction

## 1.1. Purpose

The purpose of this document is to provide a detailed description of the system to be developed and present the tasks that it must provide in order to meet all customer needs and achieve the greatest reliability and largest possible profit rate for the center.

## 1.2. Scope of Project:

This system will be a system developed for the work system in the center of the Horizon Line .

This system will be designed to facilitate the buying , selling and paying of computers and lab tops by providing tools to help in automating the services provided my the center.

Where the system meets customers requests and is easy to under stand and use.

Sales , purchase, payment and communication with customers are managed either within the centers or via e-mail.

## 1.3. Glossary

|  |  |
| --- | --- |
| **Term** | **Definition** |
| The guarantee | is a contract of personal audiences that the center is given by the customer in the event of a vaccination of the device that I was subscribed |
| Warning: | It is one of the legal means to inform the customer of the payment of the required amount due to the lapse of the specified period to pay the amount |
| Accountant: | The person who delivers the device to the customer after paying for it |
| Receptionist: | The person who receives the requirements of the clients |
| Customer: | Any person who wants to buy a device or a laptop |
| Type of device | :depending on the manufacture |
| Software Requirements Specification | A document that completely describes all of the functions of a proposed system and the constraints under which it must operate. For example, this document. |
| Reader | Anyone visiting the site to read articles. |
| Review | A written recommendation about the appropriateness of an article for publication; may include suggestions for improvement. |
| Reviewer | A person that examines an article and has the ability to recommend approval of the article for publication or to request that changes be made in the article. |

## 1.4. References

Hans van vlit.software

Engineering: principles and practice(second edition) 1999

## 1.5. Overview of Document

. The next chapter, the Overall Description section, of this document gives an overview of the functionality of the product. It describes the informal requirements and is used to establish a context for the technical requirements specification in the next chapter.

The third chapter, Requirements Specification section, of this document is written primarily for the developers and describes in technical terms the details of the functionality of the product.

Both sections of the document describe the same software product in its entirety, but are intended for different audiences and thus use different language.

# 2.0. Overall Description

## 2.1 System Environment

Reception

employee

Customer

Accountant

HS DB

reception department

Sales section

Department of account

Saller

Figure 1 - System Environment

The Development of the work system at the center of Horizon Line commercial

has fife active actors and one cooperating system.

The customer goes to the reception department to determine the type of requests

He want and then goes to the employee in charge with the indication that all requests must be issued by reception department .

The responsible employee accomplishes employee his task and is directed to the accounting department after notification is sent to the accountant of the value must be paid.

## 2.2 Functional Requirements Specification

This section outlines the use cases for each of the customers separately. The reception employee ,the employee in sales department and the accountant.

### 2.2.1 Use Case

#### Use case:

**Diagram:**

**Brief Description**

**Initial Step-By-Step Description**

### 2.2.2 Use Case

Use case:

**Diagram:**

**Brief Description**

**Initial Step-By-Step Description**

### 

### 2.2.3 Use Case

#### Use case:

**Diagram:**

**Brief Description**

**Initial Step-By-Step Description**

2.2.4 Use Case

### Use Case:

**Brief Description**

**Initial Step-By-Step Description**

#### 2.2.5 Use Case

#### Use case:

**Diagram:**

**Brief Description**

**Initial Step-By-Step Description:**

## 2.3 User Characteristics:

## 2.4 Non-Functional Requirements:

3.0. Requirements Specification

## 3.1 External Interface Requirements

**Associated with several external systems:**

## 3.2 Functional Requirements

The Logical Structure of the Data is contained in Section 3.3.1.

### 3.2.1

|  |  |
| --- | --- |
| **Use Case Name** |  |
| **XRef** |  |
| **Trigger** |  |
| **Precondition** |  |
| **Basic Path** |  |
| **Alternative Paths** |  |
| **Postcondition** |  |
| **Exception Paths** |  |

#### 3.2.2

|  |  |
| --- | --- |
| **Use Case Name** |  |
| **XRef** |  |
| **Trigger** |  |
| **Precondition** |  |
| **Basic Path** |  |
| **Alternative Paths** |  |
| **Postcondition** |  |
| **Exception Paths** |  |
| **Other** |  |

**3.2.3**

|  |  |
| --- | --- |
| **Use Case Name** |  |
| **XRef** |  |
| **Trigger** |  |
| **Precondition** |  |
| **Basic Path** |  |
| **Alternative Paths** |  |
| **Postcondition** |  |
| **Exception Paths** |  |
| **Other** |  |

|  |  |
| --- | --- |
| **Use Case Name** |  |
| **XRef** |  |
| **Trigger** |  |
| **Precondition** |  |
| **Basic Path** |  |
| **Alternative Paths** |  |
| **Postcondition** |  |
| **Exception Paths** |  |
| **Other** |  |

#### 3.2.5

|  |  |
| --- | --- |
| **Use Case Name** |  |
| **XRef** |  |
| **Trigger** |  |
| **Precondition** |  |
| **Basic Path** |  |
| **Alternative Paths** |  |
| **Postcondition** |  |
| **Exception Paths** |  |
| **Other** |  |

## 3.3 Detailed Non-Functional Requirements

3.3.1

**Timetable:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Level** | **expected end date** | **Implementation start date** | **Embedded partial tasks** |
| System analysis |  |  |  |
|  |  |  |
|  |  |  |
| System design |  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
| Programmatic investigation |  |  |  |
|  |  |  |

### 3.3.2 Security