Software Requirements Specification

Version 1.0

<<Annotated Version>>

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House of Movies

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Of the requirements of

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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 spring 2004 CS 310. The students who submitted these team projects were **Mohammad Haidar, Sleman Almohammad, Rajab Omran, Mohammad Idris.** >>

# Table of Contents

[Table of Contents i](#_Toc77487619)

[List of Figures ii](#_Toc77487620)

[1.0. Introduction 1](#_Toc77487621)

[1.1. Purpose 1](#_Toc77487622)

[1.2. Scope of Project 1](#_Toc77487623)

[1.3. Glossary 2](#_Toc77487624)

[1.4. References 2](#_Toc77487625)

[1.5. Overview of Document 2](#_Toc77487626)

[2.0. Overall Description 4](#_Toc77487627)

[2.1 System Environment 4](#_Toc77487628)

[2.2 Functional Requirements Specification 5](#_Toc77487629)

[2.2.1 Receptionist Use Case 6](#_Toc77487630)

[Use case: Gets Customer orders 5](#_Toc77487631)

[2.2.2 orders employee Use Case 7](#_Toc77487632)

[Use case: bring order 7](#_Toc77487633)

[2.2.3 Director Use Case 8](#_Toc77487634)

[Use case: Make an inventory 8](#_Toc77487635)

[2.2.4 Accountant Use Cases 9](#_Toc77487636)

[Use case: invoice preparation 9](#_Toc77487637)

[2.3 User Characteristics 10](#_Toc77487648)

[2.4 Non-Functional Requirements 10](#_Toc77487649)

[3.0. Requirements Specification 11](#_Toc77487650)

[3.1 External Interface Requirements 11](#_Toc77487651)

[3.2 Functional Requirements 11](#_Toc77487652)

[3.2.1 Search DVD\CD 11](#_Toc77487653)

[3.2.2 Communicate 12](#_Toc77487654)

[3.2.3 Add DVD\CD 13](#_Toc77487655)

[3.2.4 Update DVD 13](#_Toc77487656)

[3.2.5 Update DVD Status 14](#_Toc77487657)

[3.2.6 Remove DVD\CD 14](#_Toc77487658)

# List of Figures

[Figure 1 - System Environment 6](#_Toc77487669)

[Figure 3 - Accountant Use Cases 9](#_Toc77487671)

[Figure 4 - Logical Structure of the Lounge Data 14](#_Toc77487672)

# 1.0. Introduction

## 1.1. Purpose

The purpose of this document is to present a detailed description of the House of Movies Lounge automation system. It will explain the purpose and features of the system, the interfaces of the system, what the system will do, the constraints under which it must operate and how the system will react to external stimuli. This document is intended for both the stakeholders and the developers of the system and will be proposed to the Regional Historical Society for its approval.

## 1.2. Scope of Project

This software system will be a Lounge automation system for a lounge to sell DVD/CD. This system will be designed to facilitate and accelerates work within the Lounge by providing the necessary tools for that. By doing that, the managers of the lounge, employees and even the customer will feel the flexibility of work and service.

More specifically, the system automates the work by dividing the lounge into sections and each section with a specific type of disk and has a unique identifier, and each section divided by a group of ranks and each has a unique number.

All of this information is in the lounge database.

## 1.3. Glossary

|  |  |
| --- | --- |
| **Term** | **Definition** |
| Product | The DVD/CD that the customer wants. |
| Director | The owner of the lounge and the person who responsible for the general supervision |
| Database | Collection of all the information monitored by this system. |
| Receptionist | Person who receives the customer and takes his order. |
| Orders Employee | A person who fetching the orders from departments. |
| Customer | The person who gets the service. |
| 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. |
| Stakeholder | Any person with an interest in the project who is not a developer. |

## 1.4. References

IEEE. *IEEE STD 830-1998 IEEE Recommended Practice for Software Requirements Specifications.* IEEE Computer Society, 1998.

## 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

Orders Employee

Receptionist

Customer

Select orders and provide service

Movies Lounge

Director

Figure 1 - System Environment

The Lounge automation system has four active actors and one cooperating system.

The Receptionist, orders Employee, Director, and Customer.

Any customer communication with the system by visiting the lounge.

## 2.2 Functional Requirements Specification

This section outlines the use cases for each of the active readers separately. The Director, the Receptionist , the orders Employee, and the Customer while the director is main actor in this system.

### 2.2.1 Receptionist Use Case

#### Use case: gets the customer order

**Diagram:**

Receptionist

Gets the customer order

**Brief Description**

The Receptionist receive the customer and he gets his order and what he wants.

**Initial Step-By-Step Description**.

1. The Receptionist receive the customer.
2. The Receptionist gets the order from the customer.
3. The receptionist search through the database about the department number for that order.
4. The system determines the department number and the rank number.

### **2.2.2 Order Employee Use Case**

#### Use case: bring the order

**Diagram:**

Order employee

Bring order

**Brief Description**

The order employee bring the order from the correct department.

**Initial Step-By-Step Description**.

1. The employee get the requested order from the receptionist.
2. He go to the selected department and get the order from the correct rank.
3. Finally, he gives the order to the customer.

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### **2.2.3** **Director Use Case**

#### Use case: make an inventory

**Diagram:**

Director

**Make an** inventory

**Brief Description**

Director make an inventory for sells in the lounge.

**Initial Step-By-Step Description**.

1. Every day he Checks for all sales.
2. He Calculates the amount of profit and employee benefits
3. Learn about sales that have been taken in installment

### **2.2.4 Receptionist (Accountant)**

Accountant

Invoice Preparation

### Use Case: invoice preparation

Figure 3 -Accountant Use Case

**Brief Description**

1. The accountant calculates the value of the total orders and make an invoice.

**Initial Step-By-Step Description**

1. The accountant calculates the value of orders.
2. He prepare the invoice.
3. He make a discount.
4. Finally, he print the invoice**.**

**----------------------------------------------------**

**2.2.5 Customer use cases**

**Diagram:**

Customer

Bill Payment

**Brief Description**

Customer is the main person in this system, he make an order and get the service.

**Initial Step-By-Step Description**

1. The customer go to the lounge.
2. He received by the receptionist.
3. He give the receptionist his orders.
4. He get his orders and go back to the receptionist.
5. After the receptionist prepare the invoice, a customer Pay the bill.
6. Additional option is to visit the lounge website and search for products.

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