Software Requirements Specification

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Electronic Games hall System

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# 1.0. Introduction

## 1.1. Purpose

The purpose of this document is to provide a detailed description of the electronic games hall system. It will explain the purpose and features of the system, interfaces

The system, what the system will do, and the constraints it must operate under

How the system will react to external stimuli. This document is for both

Stakeholders and system developers.

## 1.2 Scope of Project

­This system helps to operate at the comfort of the lounge manager so that he is able to know what is happening in the hall in addition to controlling it remotely and abandoning the workforce (employees) so that it gives up the workers wages at the end of each month

can communicate with the manager and have booked a specific game type , Or cancel a reservation, or switch the type of game already booked, and also makes it easy for players to play comfortably or change their playing time, as it also provides linking this system to a database containing the names of all the players who come to the hall, because there are facilities for them.

## 1.3. Glossary

|  |  |
| --- | --- |
| **Term** | **Definition** |
| Player | Anyone visiting hall. |
| Manager | Person who control the System. |
| Database | Collection of all the information monitored by this system. |
| Game card | The card which the player can play in the hall. |

## 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

Figure 1 - System Environment

Maneger

DB

Register a customer

Electronic hall System

Playar

This system consists of two main sides: the manager and the customer. Therefore, the customer through his call reserves an appointment or cancellation as mentioned previously .. In return, the manager makes sure if there are vacant devices and save the data of all players in a database for this system .

Book a game

## 2.2 Functional Requirements Specification

This section outlines the use cases for each of the active in the . The reader, the author and the reviewer have only one use case apiece while the editor is main actor in this system.

### 2.2.1 Maneger Use Case

#### Use case: Maneger

**Diagram:**

Maneger

Reservation game

Reserving a specific game that is contacted with the manager to determine a specific game

### 2.2.2 Maneger Use Case

**Brief Description**

### The manager is directly contacted

### The customer tells the manager what type of game he wants

### The manager is given the appointed time that the customer wants by coming to the hall

### The manager makes sure that the game is available or all devices are reserved at this time

### If available, the customer's name will be recorded in the hall's database and arrival information (time and date(

### 2.2.3 Playar Use Case

#### Use case: Playar

**Diagram:**

Playar

Play on game

**Brief Description**

The player played the game

**Initial Step-By-Step Description**

1 .After the player arrives in the hall, his information is confirmed (his name, the type of game chosen, and the running time of the game)

2 .In the event of a malfunction, the device will stop immediately and the manager will be informed about it

3 .The time during the malfunction of the device will be deducted from the time of its game

4 .If he needs food and drinks on him by pressing a button telling the manager that he wants something and then there are specific people to deliver to him what he wants

#### Use case: Extend Play

Playar

Extend Play

**Diagram:**

**Brief Description**

Extend Time Play If Wanted The Playar

**Initial Step-By-Step Description**

1 .After the customer finishes playing, the machine stops automatically

2 .If the customer wants to extend time with the push of a button, the playing time will be extended for the specified period

3 .Or choose a new game

4 .This should be taken into consideration if the game is not booked by anyone

5 .If it is reserved, the system informs the customer of this

In the event that it is not reserved, the direct player will play in it

#### Use case: game extension

**Diagram:**

Maneger

Extend Play

Play database

**Brief Description**

The manager and what to do during the game extension

Playar

**Initial Step-By-Step Description**

1 .The manager will know what the customer is doing (extending play time, changing the game ..)

2 .The manager will work in the event that the customer requests a new game by searching with him if available or not

3 .If available, he is allowed to play

4 .The manager is updating the customer database

How many games he played and when .

#### Use case: ended time

**Diagram:**

|  |  |
| --- | --- |
| |  | | --- | | DB |   Maneger  Play ended |

**Brief Description**

The player's playing time has ended

**Initial Step-By-Step Description**

1 .The system tells the customer that the time to play is over

2 .The manager updates the database information about this player (the types of games he played and the time for each of them(

3 .The system outputs a card, including the cost of the game and full details of its gameplay, this time and in previous times

4 .If the customer has exceeded 20% submitted to the terminal, the system will inform the manager of a discount with a specified rate