*Software Requirements Specification*

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*Automation of the security services company*

**Ghazal zarour**

**Doha alkasem**

**Lobana dodo**

**Ali assi**

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**1.0 introduction**

*1.1 Purpose*

The purpose of this document is to present a detailed description of the security services company 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 . This document is intended for both the stakeholders and the developers of the system. This system works on a local network.

*1.2 Scope of Project*

The security services system is intended for use within a high level ,meaning the whole company ,the system include a hardware ,software to support the operations that take place within this system and provide services to users such as client ,guards , or company’s manager

This system aims to facilitate the work in the company and increase speed and save time and effort.

*1.3 Glossary*

|  |  |
| --- | --- |
| *Definition* | *Term* |
| *Is a kind of knowledge management databases. Knowledge bases are a repository of information that provides a means of gathering, arranging and disseminating information* | *Knowladge Base* |
| *is a component of the system that applies logical rules to the knowledge* base *to deduce new information* | *Inference Engine* |
| Any person with an interest in the project who is not a developer | *Stackholder* |
| *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* | *Software Requirements Specification* |
| *Is a number that the customer owns and it is not unique and not repeated* | *The customer number* |
| *Represents the customers address ,district,street,building number,fioor,if any* | *Address* |

*. 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 system. 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 system

Both sections of the document describe the same software system 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**

Guard

Manger

S DB

Intrepid Risk

Management

Security Manager

Web Publishing System

Client

The Web Publishing System has three active actors and one cooperating system.

The Client, Guard, accesses the Intrepid Risk Managements through the Internet. Any

Client or Guard communication with the system is through email. The Manager accesses the entire system directly. There is a link to the (existing) security.

<< The division of the Web Publishing System into two component parts, the intrepid Risk Management and the security Manager, is an example of using domain classes to make an explanation clearer. >>

***2.2 Functional Requirements Specification***

This section outlines the use cases for each of the active Guards separately. The client, the Guard has only one use case apiece while the manger is main actor in this system.

**2.2.1 Client Use Case**

*Use case:*  ***Register a request***

**Diagram:**

Client

Register a Request

**Brief Description**

The Client accesses the intrepid Risk Management Website, for an available Guard and books it.

**Initial Step-By-Step Description**

Before this use case can be initiated, the Client has already accessed the intrepid Risk Management Website.

1. The Client chooses to search by the person's name and strength.
2. The system displays the choices to the Client.
3. The Client selects the person desired.
4. The system presents the abstract of the person to the client.
5. The client chooses to book person.
6. The system sends the requested person.

**Reef:** Section 3.2.1, Register a Request

**2.2.2 Guard Use Case**

In case of multiple Guards, this term refers to the *Bodyguard*, with whom all communication is made.

*Use case: sends report*

Guard

Submit report periodical

**Diagram:**

**Brief Description**

Sends periodic report to the manager

**Initial Step-By-Step Description**

Before this use case can be initiated, the guard has already connected to the intrepid Risk Management.

1. The guard chooses the *Email* .
2. The System uses the *send to* HTML tag to bring up the user’s email system.
3. The guard fills in the form as directed and emails them.
4. The System generates and sends an email acknowledgement.

**Reef:** Section 3.2.2, Communicate

**2.2.3 Manager Use Cases**

The Editor has the following sets of use cases:

Review client info

Manager

View guards info

Review periodical info

Review mechanism info

**Figure 3 - Manager Use Cases**

**Update Information use cases**

*Use case: Update client*

Manger

Update client

**Diagram:**

**Brief Description**

The Manager enters a new client or updates information about a current client.

**Initial Step-By-Step Description**

Before this use case can be initiated, the Manager has already accessed the main page of the Security Manager.

1. The Manager selects to *Add/Update client*.
2. The system presents a choice of adding or updating.
3. The manager chooses to add or to update.
4. If the manager is updating a client, the system presents a list of client to choose from and presents a grid filling in with the information; else the system presents a blank grid.
5. The manager fills in the information and submits the form.
6. The system verifies the information and returns the manager to the security Manager main page.

**Reef:** Section 3.2.3, Add client; Section 3.2.5 Update Person

*Use case: Update guard*

**Diagram:**

Manager

Update Guard

S DB

**Brief Description**

The Manager enters a new guard or updates information about a current guard.

**Initial Step-By-Step Description**

Before this use case can be initiated, the manager has already accessed the main page of the Security Manager.

1. The manager selects to *Add/Update guard*.
2. The system presents a choice of adding or updating.
3. The manager chooses to add or to update.
4. The system links to the Security Database.
5. If the Manager is updating a Guard, the system and presents a grid with the information about the guard; else the system presents list of members for the manager to select a guard and presents a grid for the person selected.
6. The manager fills in the information and submits the form.
7. The system verifies the information and returns the Manager to the Security Manager main page.

**Reef:** Section 3.2.4, Add guard; Section 3.2.5, Update Person

*Use case: create a new patrol*

Manager

Create patrol

**Diagram:**

**Brief Description**

The manager runs the patrols and ads or returns periodically as

Per the customer request.

**Initial Step-By-Step Description**

Before this use case can be initiated, the Manager has already accessed the site using the *Update site* use case.

1. The Manager receives a customer's request or periodic return.
2. The Manager adds a patrol and determines the appropriate number of guards.
3. Send a confirmation request to the customer.
4. The manager sends patrol to the customer or retrieves it in case he no longer needs it.

**Reef:** Section 3.2.7, Enter patrol

***2.3 User Characteristics***

The customer is expected to be Internet literate and be able to use a search engine. The main screen of the intrepid Risk Management Website will have the search function and a link to "guard/patrol Information.”

The guard is expected to be Internet and to be able to use email with attachments, powerful and experienced.

The Manager is expected to be Windows and be able to use organize, read the reports, and monitor their status.

***2.4 Non-Functional Requirements***

The Intrepid Risk Management will be on a server with high speed Internet capability.

* Regulatory requirements
* operational requirements
* install java Runtime Environment JRE
* web browser
* security
* use data encryption algorithms
* Use software to record program usage times RESOURS MOINTER.
* Maintenance ability
* Scheduled backup