SoftWare Requirement Specification

Version 1.1

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A_Pharmacy_management_System

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Table of content

Table of Contents i
List of Figures ii
1.0. Introduction 1
1.1. Purpose 1
1.2. Scope of Project 1
1.3. Glossary 2
1.4. References 2
1.5. Overview of Document 2
2.0. Overall Description 4
2.1 System Environment 4
2.2 Functional Requirements Specification 5
2.2.1 pharmacist use case 5
Use case: medicinal items Diagram 5
2.2.2...Employee Use case..... 6
Use case: Do an inventory of the pharmacy..... 6
2.2.3sales person Use Case 7
Use case: .....suppling the pharmacy with the items Diagram.....
2.3 User Characteristics 15
2.4 Non-Functional Requirements 15
3.0. Requirements Specification
.....17
3.1 External Interface Requirements 17
3.2 Functional Requirements 17
3.2.1 Request items 17
3.2.2 Do an inventory of the pharmacy.....18
3.2.3 supplying the pharmacy with items
3.3 Detailed Non-Functional Requirements 23
3.3.1 Logical Structure of the Data 23
3.3.2 Security 25

1.0. Introduction

1.1. Purpose

Of this document is a description of the system to be developed and a presentation of The tasks that must be provided by this it meets all the needs of the customer

1.2. Scope of Project

This system will include a group of suppliers, and the pharmacist will deal with Them to provide the pharmacy with the required items through a purchase Invoice ,so the pharmacist is responsible for knowing the movement of the items,
The expiration date ,calculating the profits, and knowing the deficiencies in order to sell The customer through a sales invoice.

Term	Definition
pharmacist	A person who checks medical prescriptions and their validity,in addition to dispensing prescriptions according to official reports
Sales person	A person who supplies the pharmacy with the required items
Client	The customer who buys the items he needs
Software Requirmonts Specification	This is document for professionally describing requirements
Varieties.	A group of valleys that are sold to the customer under a prescription
Receipt	It is a document that the supplier supplies to the pharmacist ,indicating the types of items and their prices
Bill of sale	It is a document that the customer with the price of the items
Employee	A person who works in the pharmacy and does work that the pharmacist does not do

1.4. References

IEEE. *IEEE Std 830-1998 IEEE Recommended Practice for Software Requirements Specifications.*

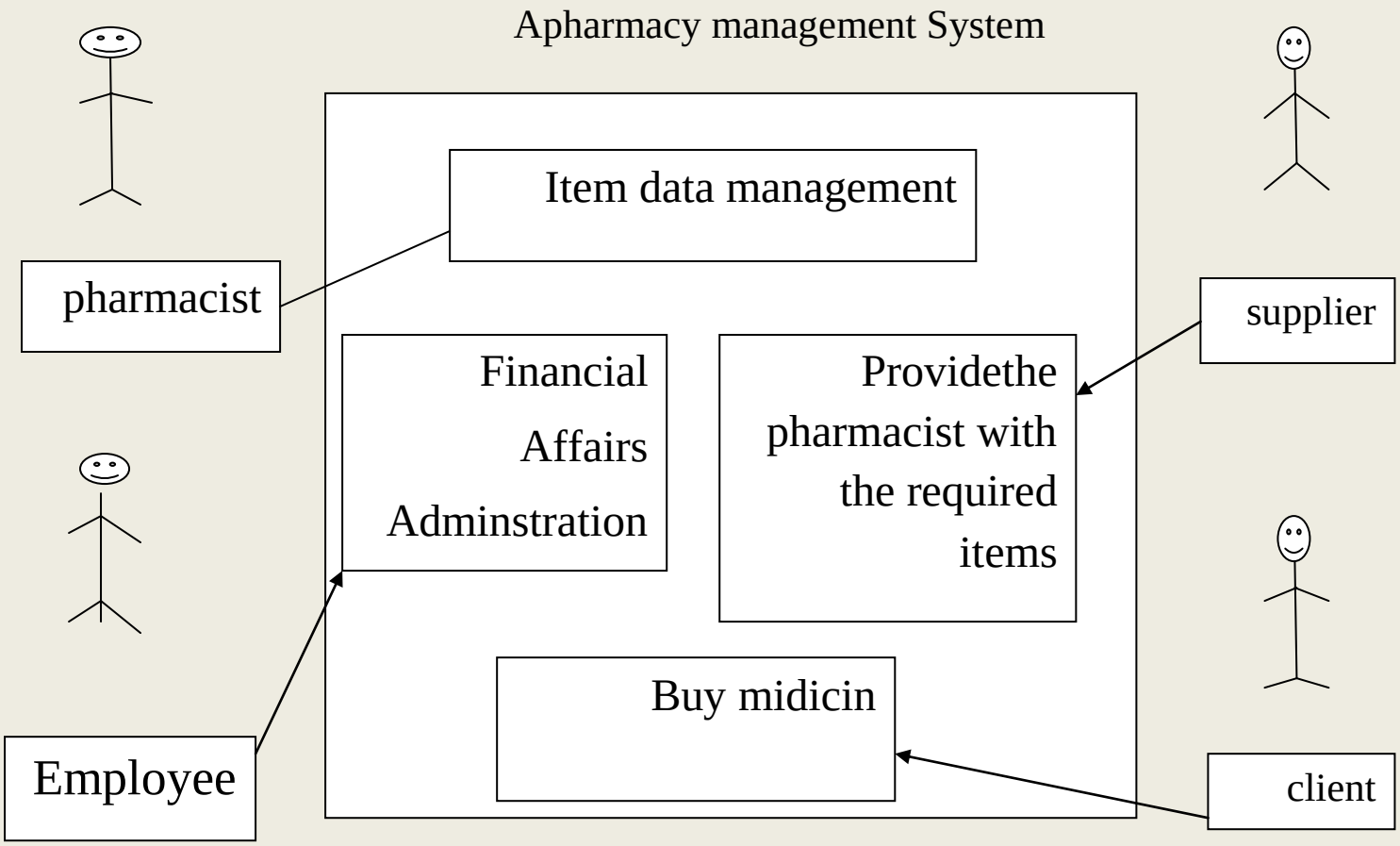
1.5. Overview of Document

The next chapter, is the general description section of this document ,which gives an overview of how the pharmacy system is managed
It also describes non_functional requirements and is also used to create context to describe technical requirements in the next chapter

*chapter three: the Requirements description section, is detail for this document ,where it
Describes the functional details of the system in technical terms.

2.0 over all Description

2.1 system Enviroment



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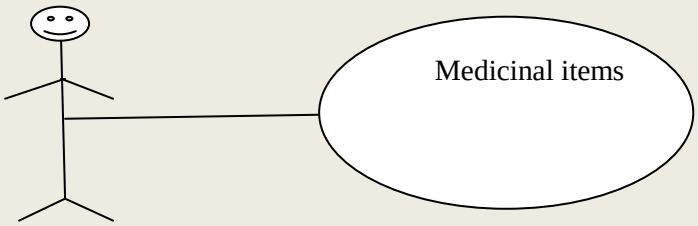
The pharmacy system contains three active players(active actors)
And someone helpful with the system (cooperating system)

2.2 Functional Requirements Specification

2.2.1 pharmacist sue case
Use case :Medicinal items Diagram



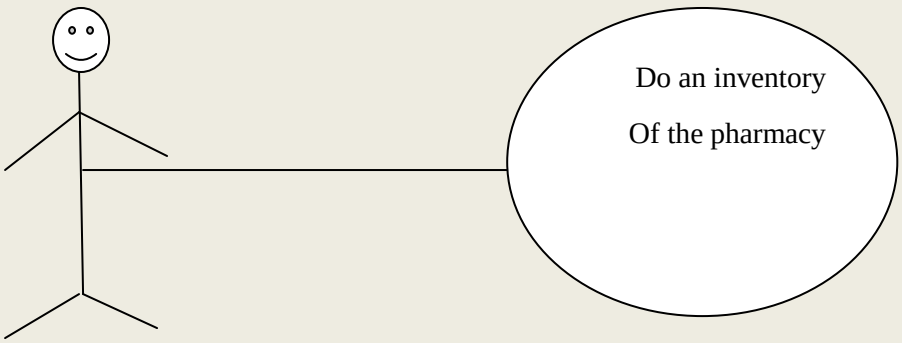
Brief Description
The pharmacist obtains the required items from the suppliers

Initial Step-By-Step Description

1- The pharmacist checks for non-existent or completely sold items
2- Then The pharmacist communicates with one of the suppliers
3- The supplier supplies the pharmacy with the required items
4- The pharmacist enters the items into the database with specifying their price ,production ,date,expiration date ,manufacturer name

Xref : Section 3.2.1, medicinal items

2.2.2 Author Use Case
Use case



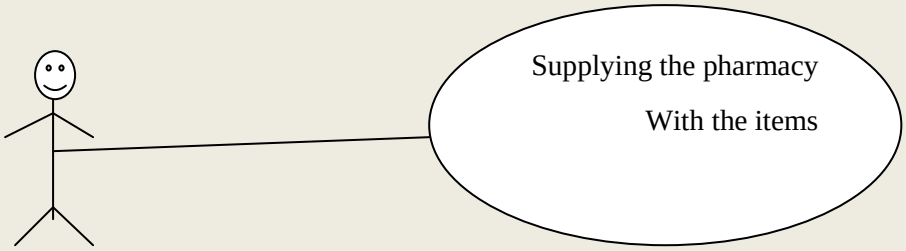
Brief Description:

The responsible employee calculates the percentage of profits for pharmacy by making an inventory of the entire pharmacy

1-the employ displays the names of the items
2-then it determines the price at which the items were purchased
3-then it determines the price at which the items were sold
4-when the employee completes the inventory process ,a percentage of profit is obtained

Xref : Section 3.2.2,**do an inventory of the pharmacy**

2.2.3 Sales person use case
Use case :suppling the pharmacy with the items
Digram



Brife Description:

The supplier supplier the pharmacist with the required items

Initial step-By-Step Description :

1-the supplier is in direct contact with the pharmacist
2-the pharmacist shall present a deficiency report
3-the supplier supplies the pharmacy with the required items through a sales invoice

Xref :section 3.2.3,

2.3 User Charateristics

***the pharmacist is expected to be able to use all means of communication to communicate with suppliers and to be able to deal with the computer to Manage items from entry and deletion , item modification , item search**

***it is expected that the employee will be able to use an accounting software To be able do an inventory of pharmacy**

2.4 Non Functional Requirements

1-on the system or on a network infrastructure
2-the system must have its services available for 12 hours

3.0 Requirement Specification
3.1 External Interface Requirments

There is only one external communication
With the system from the customer

3.2 Functional Requirements
3.2.1 Request items

Request items	**Use Case Name**
Section 2.2.1, Request items SDD, Section 7.1	**XRef**
The pharmacist will order the items	**Trigger**
1. The pharmacist displays a deficiency report 2. The pharmacist communicates with one of suppliers 3. the suppliers fulfills the request through a bill of sale 4. The pharmacist introduces the items	**Basic Path**

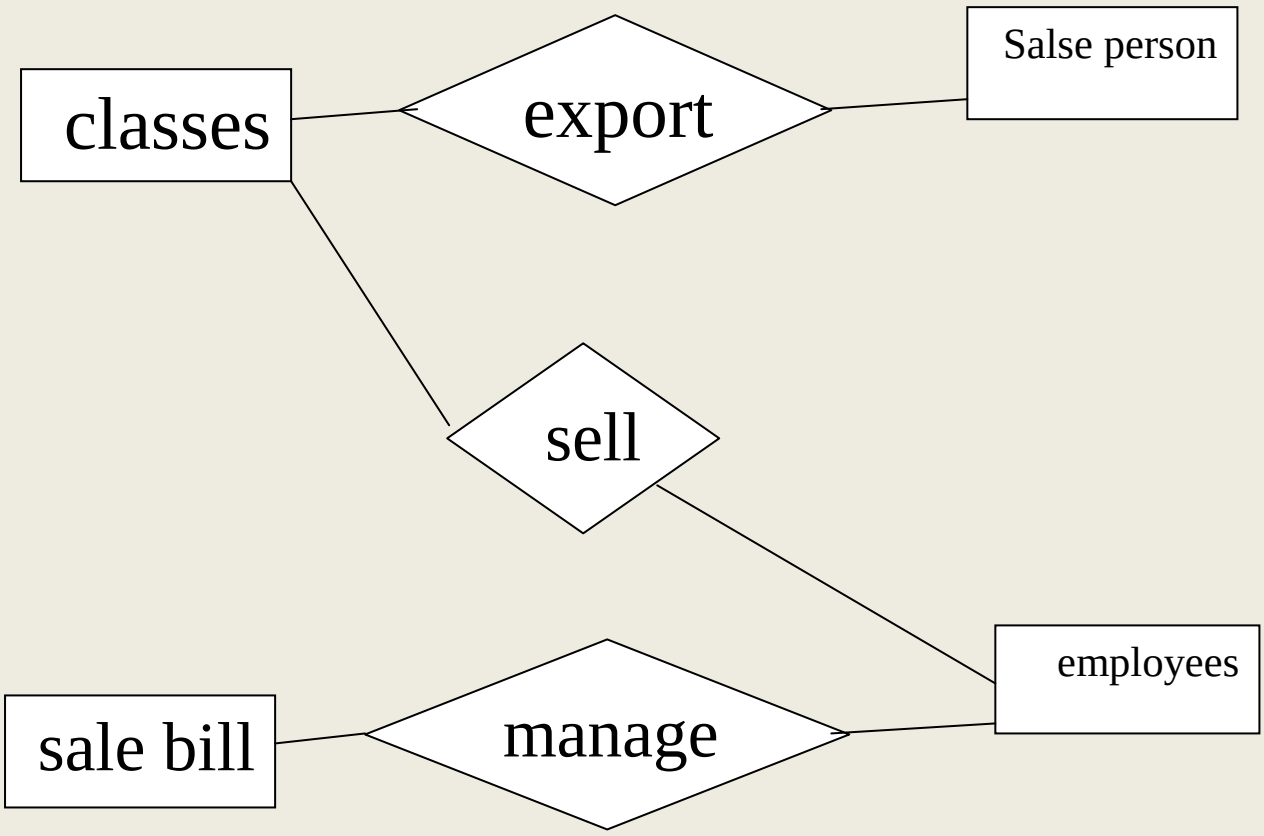
3.2.2 Do an inventory of the pharmacy

Do an in ventory of the pharmacy	**Use Case Name**
Section 2.2.2, Do an in ventory of the pharmacy SDD, Section 7.2	**XRef**
The responsible employee makes an inventory of the pharmacy to calculate profits	**Trigger**
1-the employee displays the names of the items in the pharmacy 2-then he determines the purchase price 3- then he determines price at which to sell 4-after completing the inventory,he calculates the percentage of profits	**Basic Path**

3.2.3 Supplying the pharmacy with items

Supplying the pharmacy with items	**Use Case Name**
Section 2.2.3,supplying the pharmacy with items SDD, Section 7.3	**XRef**
The supplies the supplies the pharmacy with the required items	**Trigger**
1-The supplier contacts the pharmacist 2-the pharmacist determines the items that the pharmacy needs 3- The supplier fulfills the request from a sales invoice	**Basic**

3.3 Detailed Non-Functional requirements
3.3.1 Logical Structure of the Date



The data descriptions of each of these data entities is as follows:
Classes Data Entity:

Data Item	**Type**	**Description**	**Comment**
Name	nvarchar	Name of classes	******
Number	Integer	Number of classes	******
Quantity	Integer	Quantity of classes	******
Price	Integer	Price of classes	******
Mfg date	date	Mfg date of classes	******
Exp date	date	Exp date of classes	******

Sales person Entity:

Data Item	**Type**	**Description**	**Comment**
Name	nvarchar	Name of the sales person	***
Number	Integer	Number of the sales person	***
Phone	varchar	Phone of the sales person	May be several

Employees Data Entity:

Data Item	**Type**	**Description**	**Comment**
Name	nvarchar	Name of the employee	******
Number	Integer	Number of the employee	******
age	Integer	Age of the employee	******
Work hours	Integer	Number of the employees work hours	******
salary	Integer	salary of the employee	******

Sale bill Data Entity:

Data Item	**Type**	**Description**	**Comment**
pharmacy Name	nvarchar	pharmacy Name of the sale medicine	****
Order number	Integer	Sell bill's Order number	****
Class name	Integer	Sold out class name	****
price	nvarchar	Sold out class price	****
quantity	Integer	Class's quantity	****
sum	Integer	The total price	****
Receiving date	date	Bill's receiving date	****

3.3.2

The system must achieve a high degree of privacy as it only available to Persons authorized to access it by entering a passward