***SOFTWARE REQUIREMENTS SPECIFICATION***

**Pharmacy Management System**

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**1.0 Introduction**

The Project name “**Pharmacy Management System**”, a medical information system is a client/server-based application.

An Interactive application for managing both stock and billing which helps in maintaining the records of the medicine, the users and store details and reduce the work of searching the medicine. The main aim of this application is to apply technology is supporting the pharmacist and the store to reduce the human effort on searching and automation of the billing.

The project has been developed based on “Stock managing” and it’s “billing process” being presently used in the medical stores for storing and retrieving the available information in the store.

* 1. **Goals and objectives**

**Goals**

* Inventory of medicines in the pharmacy can be inserted into the database.
* Admin can view the stock details.
* Admin can add new medicines and supplies.
* Admin can edit/delete stock details.
* Admin can enter customers and sales details.

**Objectives**

* To easily maintain stocks in the pharmaceutical store.
* To keep track of sales.
* To keep track of medicines and their suppliers.
* To keep track over customer details**.**
* To reduce paperwork.

**1.2 Statement of scope**

This project aims at computerizing the manual process of visiting dealer outlets to buy cars or have them serviced. Frontend are implemented using HTML, CSS and JavaScript and back end using MySQL and Php language.

Vehicle management system allows customers to buy new vehicles or service their existing vehicles. It gives detailed information about the vehicles available and its price and specifications. It also provides the option for customers to provide feedback using a contact form.

In traditional systems registers are used to keep track of day-to-day orders which are messy. In our system details of every vehicle is present in the database and can be accessed easily. Every detail is arranged in a structured way and in a secured way.

**1.3 Software context**

**Functional Requirements**

* Add medicines and Suppliers
* Can view medicines and suppliers.
* View the stocks available in the store.
* Store details of customer.
* Can keep track of sales.
* Logout.

**Non-Functional Requirements**

* Intel Processor required.
* Minimum of 8GB ram required.
* Google Chrome Web browser required.
* Windows 10 Operating System required.
* HTML, CSS, PHP, JavaScript scripting languages are used.
* MySQL 8.0.12 version database is used.
* Apache web server is used.
* PHP Strom IDE is used.

**1.4 Major constraints**

Any business or product line constraints that will impact the manner in which the software is to be specified, designed, implemented or tested are noted here.

**2.0 Usage scenario**

This section provides a usage scenario for the software. It organized information collected during requirements elicitation into use-cases.

**2.1 User profiles**

The profiles of all user categories are described here.

**2.2 Use-cases**

All use-cases for the software are presented.

**2.3 Special usage considerations**

Special requirements associated with the use of the software are presented.

**3.0 Data Model and Description**

This section describes information domain for the software

**3.1 Data Description**

Data objects that will be managed/manipulated by the software are described in this section.

**3.1.1 Data objects**

Data objects and their major attributes are described.

**3.1.2 Relationships**

Relationships among data objects are described using an Entity-Relationship Diagram (ERD) like form. No attempt is made to provide detail at this stage.

**3.1.3 Complete data model**

An ERD for the software is developed

**3.1.4 Data dictionary**

A reference to the data dictionary is provided. The dictionary is maintained in electronic form.

**4.0 Functional Model and Description**

A description of each major software function and software interface is presented.

**4.1.** **Description of Major Functions**

Each requirement is uniquely identified.

**4.1.1 Requirement 1**

**….**

**4.1.n Requirement N**

**4.2 Software Interface Description**

The software interface(s) to the outside world is(are) described.

**4.2.1 External machine interfaces**

Interfaces to other machines (computers or devices) are described.

**4.2.2 External system interfaces**

Interfaces to other systems, products or networks are described.

**4.2.3 Human interface**

An overview of any human interfaces to be designed for the software is presented.

**5.0 Restrictions, Limitations, and Constraints**

Special issues which impact the specification, design, or implementation of the software are noted here.