Software Requirements

Specification

for

Online Medical Store Management System

Version 1.0

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# Introduction

## Purpose

The purpose of this document is to provide a detailed description of this project, Online Medical Store Management. The purpose of this project is to provide doorstep medicine supply to the people in need. Keeping in mind the high demand of online medicine supply to people’s doorstep in a fast and efficient way, you can now search the required medicines in this software and get the required medicines delivered within 24 hours. The software provides clear and accurate description, usage and dosage of the medicines certified by medical experts in order to spread accurate awareness about diseases and medicines to the common public.

## Intended Audience and Reading Suggestions

* The main target audience of this project is senior citizens and physically- challenged people of the society who are unable to go to buy medicines physically from stores.
* People who live in remote areas, who don’t have easy and fast access to chemist shops.
* Single parents, working people who are too busy to physically buy medicines from stores.

## Product Scope

This is an online medical store management which basically supplies medicines to your doorstep within 24 hours. Users can now easily buy medicines by three categories which are - by diseases, by commonly used and by name. The software has facilitates providing clear description of the medicines and it’s usage and dosage certified by medical experts. Our main feature is to deliver medicines within 24 hours saving the time of the users.

## References

# Overall Description

## Product Perspective

This platform is designed for people who want their medicines to be delivered at their doorstep at the quickest. Our platform would not only provide a wide variety of medicines but also provide personalized doctor consultation via video calls and smart medicine recommendation for certain common diseases. Our Software is an open-source project. Developers all around the world can contribute to it and make it better. It is also compatible with all the browsers available in the market.

## Product Functions

Medicine Search:

* Carousel: Display six of the most commonly required medicines for people.
* Items list: Display some common diseases and the respective medicines one can have to get it cured.
* Search Bar: To search for medicines in our store.
* Medical Assistant: An AI based medicine recommendation provider to suggest medicines for a particular disease based on past records and data’s.

Marketing through Platform:

* Referrals section: Section designed particularly to provide discounts and coupons to people who brings in new customers through referrals or word of mouth.
* Rewards: Users who uses our platform way too often for their medical needs will be provided with rewards like platinum membership or special offers.
* Newbie offers: Providing discounts to new users so that they visit the website more often and place order for their needs.

Doctor Consultation

* Video Conference: Having live interaction with a doctor, anytime anywhere.
* Prescription stored in database: The prescription that would be provided by the doctor would be available to the user anytime in the dashboard. It would be in PDF downloadable format.

Medical Store setup:

* Registration: Collecting basic details about the shop-owner for registration purposes.
* Vital Document collection: Asking the shop-owner to provide the PDF format of the government license for authentication.
* Shop Setup: Asking for location and other important credentials for making the online shop functional.

Privacy Policies:

* Fraudulence detection: Details of every medicine would be collected so that fraudulence could be identified and reported immediately.
* Legal Actions: In case any shopkeeper or distributor causes any discrepancy, their actions would be reported as per the privacy policies of the company.

## User Classes and Characteristics

* Typical users such as students , working people, single parents and aged citizens who faces a lot of problem buying medicines from medical shops.
* Shop owners who want to take their business online by registering to our platform and having the benefit of providing medicines to a wide range of customers at their doorsteps.
* Retailers who want to buy medicines in bulk and distribute it in their networks.

## Operating Environment

Our Web Application is compatible in all web browsers. Some common platforms are listed below.

* Chrome
* Bing
* Internet Explorer
* Mozilla Firefox
* Brave
* Yahoo

## Design and Implementation Constraints

Our platform is designed using multiple programming languages like HTML, CSS and JavaScript for frontend designing and Php and MySQL for backend deployment. The site is run on Apache Web Server and used Php myAdmin as database for storing data.

## Assumptions and Dependencies

## Hardware Interfaces

## Software Interfaces

* + 1. **Other Nonfunctional Requirements:**

# Performance Requirements:

# A modern dual-core or quad core CPU should sufficent for working of. Look for CPUs from Intel Core i3/i5 or AMD Ryzen 3/5 series will be best in the work. Integrated graphics from Intel (Intel UHD Graphics) and AMD (Radeon Vega Graphics) are capable of smoothly rendering standard web content.

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# Safety Requirements:

There is ensurance of any personal or medical information such as (contact details,medical history) are being handeled securely.With implementation of strong data encryption, secure connections ,and following privacy laws like PDPB (if applicable).

**Security Requirements**:

Implementation of strict access controls to ensure that only authorized personnel have access to sensitive data. Useing strong authentication methods like passwords, multi-factor authentication (MFA), and role-based access controls. Implementation of firewalls to protect network and use intrusion detection and prevention systems to monitor and respond to potential security breaches.

**Software Quality Attributes:**

It provides the users with both simple and advanced features. Due to its well designed and easy to use interface it can be used by both experts and typical users. However, users must already have a basic knowledge of using this types before using it.