



Module Code & Module Title

CS6P05NT-Final Year Project

Final Year Project

Software Requirement Specification

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Guardian
Software Requirements Specification
Version 1.0

Revision History

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Software requirement specification (SRS)

1. Introduction

The introduction of the Software Requirements Specification (SRS) provides an overview of the entire SRS with purpose, scope, definitions, acronyms, abbreviations, references, and overview of the SRS. The aim of this document is to gather and analyse and give an in-depth insight of the complete Guardian software system.

1.1. Purpose

The purpose of the document is to collect and analyse all assorted ideas that have come up to define the system, its requirements with respect to consumers. Also, we shall predict and sort out how we hope this product will be used to gain a better understanding of the project, outline concepts that may be developed later, and document ideas that are being considered, but may be discarded as the product develops.

In short, the purpose of this SRS document is to provide a detailed overview of our software product, its parameters, and goals. This document describes the project's target audience and its user interface, hardware, and software requirements. It defines how our client, team and audience see the product and its functionality. Nonetheless, it helps any designer and developer to assist in software delivery lifecycle (SDLC) processes.

1.2. Scope

Primarily, the scope pertains to the Pharmacist product features and counsellor feature for making Guardian application live. It focuses on the pharmacist, counsellors and applications, which allow for online sales, distribution and marketing of medicines.

This SRS is also aimed at specifying requirements of software to be developed but it can also be applied to assist in the selection of in-house and commercial software products. The standard can be used to create software requirements specifications directly or can be used as a model for defining an organization or project specific

standard. It does not identify any specific method, nomenclature, or tool for preparing an SRS.

1.3. Indented Audience and reading suggestions

This document is written for users and supervisor of the system and as well as software developer to clarify the function and look of the software. Also, people using results might have wishes for functionality.

1.4. References

https://web.cs.dal.ca/~hawkey/3130/srs_template-ieee.doc

2. Overall Description

This document contains the problem statement that the current system is facing which is hampering the users, counsellors, and pharmacist. It lists and briefly describes the major features and a brief description of each of the proposed system.

The following SRS contains the detail product perspective from different stakeholders. It provides the detail product functions of Guardian with user characteristics permitted constraints, assumptions and dependencies and requirements subsets.

2.1. Product Perspective

The product is supposed to be an open-source application. It is a web-based system implementing ecommerce model. The System provides interaction between the customers, counsellors, and pharmacists.

The following are the main features that are included:

- Cross platform support: Offers operating support for most of the known and commercial operating systems.
- User account: The system allows the user to create their accounts in the system and provide features according to their roles.
- Number of users being supported by the system: Though the number is precisely not mentioned but the system is able to support a large number of online users at a time.
- Search: search is simply local search engine based on key words.

3. Specific Requirements

The specific requirements are: -

3.1. Functionality

This subsection contains the requirements for the system. These requirements are organized by the features discussed in the proposal document. Features from vision documents are then refined into use case diagrams and to sequence diagram to best capture the functional requirements of the system.

- The customer shall be able to view different medicines
- The customer shall be able to rate pharmacies
- The customer shall be able to place order
- The customer shall be able to upload prescription
- The customer shall be able to search medicines with different filters
- The customer shall be able to share their location
- The customer shall be able to view their invoice
- The customer shall be able to view different counsellor
- The customer shall be able to book therapy session.
- The pharmacist shall create their own pharmacy details.
- The pharmacist shall be able to upload images and add different medicines into their medicine.
- The pharmacist shall be able to view customers feedbacks and requests
- The pharmacist shall be able to view customers requested location.
- The counsellor shall be able to create counselling portal.
- The counsellor shall be able to upload their documents.
- The counsellor shall be able to upload their visiting time.
- The counsellor shall be able to view customers sessions.

3.2. User Classes and Characters

There are three types of users:

1. Pharmacist must be able to administer their store webpage but should not need special experience.
2. Customers need no experience to use the webpage and need no experience to access the information available to them
3. Counsellor must be able to administer their personal schedules that is stored in webpage but should not need experience to access the information available to them.

4. External Interface Requirements

4.1. System Interface

Any popular operating system that will allow the use of a modern browser to view and download web pages

4.2. User Interfaces

Logical Characteristics: The GUI of the product shall be designed in HTML/Python, allowing a multitude of different user's access. The HTML design will remove most limits of access because every popular operating system has HTML viewing capabilities.

Aspects: The system shall have content that will only be viewable to the user if they are logged in correctly. Also, there shall be different types of users having different accessing/viewing/modification privileges.

4.3. Hardware Interfaces

Since the application must run over the internet, all the hardware shall require connecting internet will be hardware interface for the system. As for e.g., Modem, WAN – LAN, Ethernet Cross-Cable.

4.4. Software interfaces

Web browser

4.5. Communications Interfaces

Internet Protocol (IP) shall be used by the software interfaces to connect to the internet. And for the intranet communication will be through TCP/IP protocol suite.

5. Supporting Information

Please refer following documents:

1. Final Report