

SORRES Requirements Specification

June 17, 2022

Table of Contents

[YOURPROJECT] REQUIREMENTS SPECIFICATION	1
VERSION 1.0	1
APRIL 19, 2021	1
1. EXECUTIVE SUMMARY	3
1.1 PROJECT OVERVIEW	3
1.2 PURPOSE AND SCOPE OF THIS SPECIFICATION	3
2. PRODUCT/SERVICE DESCRIPTION	3
2.1 PRODUCT CONTEXT	3
2.2 USER CHARACTERISTICS	3
2.3 ASSUMPTIONS	3
2.4 CONSTRAINTS	3
2.5 DEPENDENCIES	4
3. REQUIREMENTS	4
3.1 FUNCTIONAL REQUIREMENTS	5
3.2 NON-FUNCTIONAL REQUIREMENTS	5
3.2.1 <i>Product Requirements</i>	5
3.2.1.1 User Interface Requirements	6
3.2.1.2 Usability	6
3.2.1.3 Efficiency	6
3.2.1.3.1 Performance Requirements	6
3.2.1.3.2 Space Requirements	6
3.2.1.4 Dependability	6
3.2.1.5 Security	7
3.2.2 <i>Organizational Requirements</i>	7
3.2.2.1 Environmental Requirements	7
3.2.2.2 Operational Requirements	7
3.2.2.3 Development Requirements	7
3.2.3 <i>External Requirements</i>	7
3.2.3.1 Regulatory Requirements	7
3.2.3.2 Ethical Requirements	7
3.2.3.3 Legislative Requirements	7
3.2.3.3.1 Accounting Requirements	7
3.2.3.3.2 Security Requirements	7
3.3 DOMAIN REQUIREMENTS	7
4. USER SCENARIOS/USE CASES	7

1. Executive Summary

1.1 Project Overview

This is a web application intended to make ordering medicinal products easier from a store, providing the necessary prescription information.

1.2 Purpose and Scope of this Specification

The main goal of this project is to provide a functional web application which dismisses the need of buying medicinal products in person in drug stores.

In scope:

- facilitate the process of delivering medicine by acting as a medium of connection between the drug stores and the client.
- place to add, update, delete products in stock.
- provide continuous website maintenance.

Out of Scope:

- no automatic adding of products, this will be the responsibility of the store manager to update the products and their quantity based on the stock available.
- the software does not account for latency in delivering orders.

2. Product/Service Description

2.1 Product Context

This product is independent and self-contained. It serves as an easy-access to many medicinal products, accompanied with their descriptions, to the clients.

2.2 User Characteristics

- Admin - store manager, has access to his products that are for sale, user profiles showing some of their data for analysis purposes, orders that need to be completed.
- User - client, can edit and change his personal profile, can see the orders he has made in the past and make new orders, accompanied with prescriptions for specific products.

2.3 Assumptions

- easy-to-use application
- the products will be up-to-date
- the clients will be able to pay with their credit card
- the workers will try to complete new orders as soon as possible

2.4 Constraints

- small database unable to hold the amount of data
- slow internet connection in the store

2.5 Dependencies

- The products need to be restocked before updating the quantity in the website
- The service should be as efficient as possible for the client to want to come back

3. Requirements

3.1 Functional Requirements

SORRES Requirements Specification

Req#	Requirement	Comments	Priority	Date Rvwd	SME Reviewed / Approved
PR_01	Registration	A client cannot order products without having an account	1	06/15/22	Rei Tamburi
PR_02	Log in	The client should log in using valid client credentials	1	06/15/22	Rei Tamburi
PR_03	Interaction with cart	A client can add or remove products from the shopping cart	2	06/15/22	Rei Tamburi
PR_04	Payment	Payment is done only by card	1	06/15/22	Rei Tamburi
PR_05	Orders	The pharmacist easily accesses and completes orders and the client sees its order being completed: changed Priority from 3 to 2	3 2	06/15/22	Rei Tamburi
PR_06	The system notifies when products are running low	Changed Priority from 1 to 2	1 2	06/15/22	Rei Tamburi

3.2 Non-Functional Requirements

3.2.1 Product Requirements

3.2.1.1 User Interface Requirements

Very minimalistic software, as the users do not have to open different pages in the browser to get what they want. Easy to understand how to order products and the system is very responsive.

3.2.1.2 Usability

The client just makes the order and waits to receive the products. While the pharmacist can easily access pending orders and complete them. This all interconnects using databases and neither the client nor the pharmacist is needed to operate it.

3.2.1.3 Efficiency

3.2.1.3.1 Performance Requirements

Capacity: ~30 people. Considering it will work as a pharmacy, the amount of people entering in a pharmacy is 1 every 5 minutes on average. Also adding the fact that a user will not be staying long on, 30 people is good in the beginning.

Latency: 5 minutes until the order is checked and shipped; the delivery time will depend on the time of the order (traffic, busy hours)

3.2.1.3.2 Space Requirements

SORRES Requirements Specification

Considering the database will be filled with images of the product for both the Orders and Products and also images of the prescriptions, 512GB of space will be necessary for the first year, then if the space fills up quickly, a delete option should be implemented on the database for orders made more than a year ago.

3.2.1.4 Dependability

Availability

- 24/7
- Area Coverage will depend on the store owner, most likely the area of a city

Reliability

As it is a medicinal oriented web application, it should be up every time of the day and any server side error should be fixed within an hour, for best customer satisfaction and experience.

Monitoring

Product quantity and client's prescription monitoring.

3.2.1.5 Security

- Basic authentication using client credentials
- Database daily back-up
- Firewall products for protection against viruses

3.2.2 External Requirements

3.2.2.1 Ethical Requirements

No discriminatory behaviour towards any client.

Users must consent to the usage of their history data in the application for analysis purposes.

3.2.2.2 Legislative Requirements

Certain products must not be sold without a prescription from the doctor.

Every product must be sold only from the website using a credit card, no cash payment allowed..

The data collected from the user profiles must not be used for personal gains, only for analysis of trends, most sold products, group-age analysis for further advertisement.

3.2.2.2.1 Accounting Requirements

Accounters must refund clients who did not receive the products or received damaged products, unlike the described and advertised products.

3.2.2.2.2 Security Requirements

The store should have security for the stock, in order to not have damaged products.

4. User Scenarios/Use Cases

