

Software Requirements Specification

for

Online Shopping System (OSS)

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17th February 2020

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Revision History

Revision	Date	Author(s)	Description
1.0	25.09.2016	A.Sandu	Chapter 1 - Introduction
2.0	10.12.2015		Explaining different sortings
3.0	05.01.2016		Kleine Änderungen
4.0	10.01.2016		Finale Version

Chapter 1

Introduction

1.1 Purpose

The topic of our project is Online Shopping System (OSS). In this project we want to build an app where user can buy their necessary products using online system. The Online Shopping System (OSS) for book and grocery shop application is intended to provide complete solutions for vendors as well as customers through a single get way using the internet. It will enable vendors to setup online shops, customer to browse through the shop and purchase them online without having to visit the shop physically. The administration module will enable a system administrator to approve and reject requests for new shops and maintain various lists of shop category.

1.2 Intended Audience

The intended audience to use this application is any type of customers, developers, project testers, viewers etc. People who are interested in online shopping system can also make use of this application.

1.3 Intended Use

The intended uses of this application are written below:

1. Developers who can review project's capabilities and more easily understand where their efforts should be targeted to improve or add more features to it (design and code the application — it sets the guidelines for future development).
2. Project testers can use this document as a base for their testing strategy as some bugs are easier to find using a requirements document. This way testing becomes more methodically organized.
3. End users of this application who wish to read about what this project can do.

1.4 Product Scope

This system allows the customer's to maintain their cart for add or remove the product and give suggestion to the customer where user can define their exact intended products over the internet. This system also provides a calculator for the customer where they can calculate their estimating products cost properly.

1.5 Risk Definition

There are couple of risks in our application, here we are defining our major ones:

1. If any customer order any product and at the end the customer refuse to accept the proper product, then it causes loss for our business.
2. If any book borrower does not return the book, then it causes downfall to our startup.

Chapter 2

Overall Description

2.1 User Classes and Characteristics

There are 3 user can use this application.

1. Administration
2. Customers
3. General user

2.2 User Needs

Administration:

As an administration, admin can add any product in the system and they can also delete any product as well.

If the product price is increase/decrease, admin can edit any product details. There will be multiple offers available on basis of various occasion for the customer which will be only handled by the admin.

There will be numerous numbers of transaction everyday in this application which can be observed by admin.

Administrator maintains the deliveries.

2.3 Operating Environment

Operating environment for the online shopping system is as listed below.

Operating system: Windows.

Database: MySQL + Database

Platform: Python/Django/PHP

2.4 Constraints

1. We have to develop the application in Python language.
2. The developed system must work in the client's operating environment, which is Windows.
3. We have to finish the project within 2 months.

2.5 Assumptions

1. We assume that user can understand English, cause we will communicate through English in our application.
2. User needs internet access to execute our application.

Chapter 3

Requirements

3.1 Functional Requirements

1. **Register:** As a user, I need to register in this system so that I can buy any product from this online shopping system.
2. **Log in:** As a registered user, I am required to log in so that I can access the system.
3. **Items:** As a registered user, I can select any product from the item list so that I can purchase the proper product from the shop.
4. **Add and remove:** As a registered user, I can add and remove any product from my shopping cart so that I can have my desire product list.
5. **Payment:** As a registered user, I need a bkaash account or I can use cash on delivery option so that I can make payment of my online shopping.
6. **Confirmation:** As a registered user, I need to give proper email address so that I can have copy of final bill of my online shopping.
7. **Database:** As an Admin, I want to control database so that I can track all the records of our customers.
8. **View and edit all details:** As a registered user, I can view or change my personal details so that I can store my proper details.
9. **Product add, remove and edit:** As an Admin, I can add or remove any product from my online shop and edit my product price so that customers can have proper information.
10. **Advance Calculator:** As a user, I can have proper calculation of my budget so that I can allocate proper budget for proper product.
11. **History:** As a registered user, I can view all the shopping history in previous orders so that I can reorder the thing from there if I need any.
12. **Offer:** As an admin, I can give offers or promo codes to the customers so that they can have interesting online shopping experience.
13. **Log out:** As a frequent user, I can log out from my account so that I can have proper secure online shopping system.

3.2 Non Functional Requirements

Performance Requirements:

1. The system must not accumulate high numbers of items and users without any fault.
2. Response to view information must take no longer than 3 seconds to appear on the screen.

Security Requirements:

1. System will use secure database.
2. Normal users can just read information but they can not edit or modify anything except their personal information.

Error Handling:

1. OSS must handle expected or non-expected errors in ways that prevent loss in information and long down time period.

Safety Requirements:

1. System use must not cause any harm to human users.

Appendices

Appendix A

Glossary

1. <https://drive.google.com/file/d/1lJj-AjphVcdmR7Ht3VIwjzDfPgpcjlyP/view>
2. https://en.wikipedia.org/wiki/Software_requirements_specification
3. <https://krazytech.com/projects/sample-software-requirements-specificationsrs-report-airline-database>
4. <https://www.softwaretestingclass.com/software-requirement-specification-srs/>