

Software Requirements Specification For Online Shopping System

Document ID: xxxxxxxxxxxxxxxx

Author(s): KAVI BALAJI E

Version: 1

Date: March 15, 2024

1. Objective and Scope.....	3
2. Features	4
2.1 Product Perspective	4
2.2 Product Functions.....	4
2.3 User Characteristics	4
2.4 Principle Users.....	4
2.5 Flowchart,.....	5
3.Output.....	6
4.Design model.....	7
4.1 class diagram.....	7
4.2 sequence diagram.....	8

1. Objective and Scope

The main goal of this online shopping system project is to develop a platform that, by being simple to use and intuitive, makes online purchasing easier for customers. This has a lot of features, like easy-to-use product searches, straightforward checkout processes, and straightforward navigation. Abstraction makes things easy for the user.

Secure Transactions: Implement robust security measures to protect client information , financial data, and online transactions. This objective is crucial in order to increase consumers' self-assurance and perception of trustworthiness.

Order Management: Make it easier for administrators to update stocks, handle client data, and handle orders by streamlining the administrative processes .
Detailed User Documentation: To help users and administrators alike comprehend and utilize the system efficiently, provide an in-depth user manual.

Scalability and Future-Proofing: Build the system with expansion and improvements in mind, making it simple to include new features and technological advancements as thee-commerce industry changes.

Quality Assurance and Testing: To find and fix any problems or faults in the system and ensure a high-quality final result, do extensive testing, including unit testing , integration testing, and user acceptability testing.

Project Completion and Schedule Adherence: Follow the project timeline and milestones to ensure that the project is completed on time and within budget.

Customer happiness: The project's ultimate goal is to achieve high levels of customer happiness by offering a simple and safe online shopping experience, which promote customer loyalty and repeat business.

SCOPE

The main scope of the company is to focus on the customer satisfaction and keep tracking on current and future trend and add to cart

Project End Users

Those who are willing to buy products with more choices and at their comforts.

2. Features on all perspectives:

2.1 Product Perspective:

This product aimed toward a person who don't want to visit the shop as he might don't get time for that or might not interested in visiting there and dealing with lot of formalities.

2.2 Product Functions

2.3 User Characteristics:

User should be familiar with the terms like login ,register ,order system etc.

Principle Actors:

Principle Actors are Customer and Administrator.

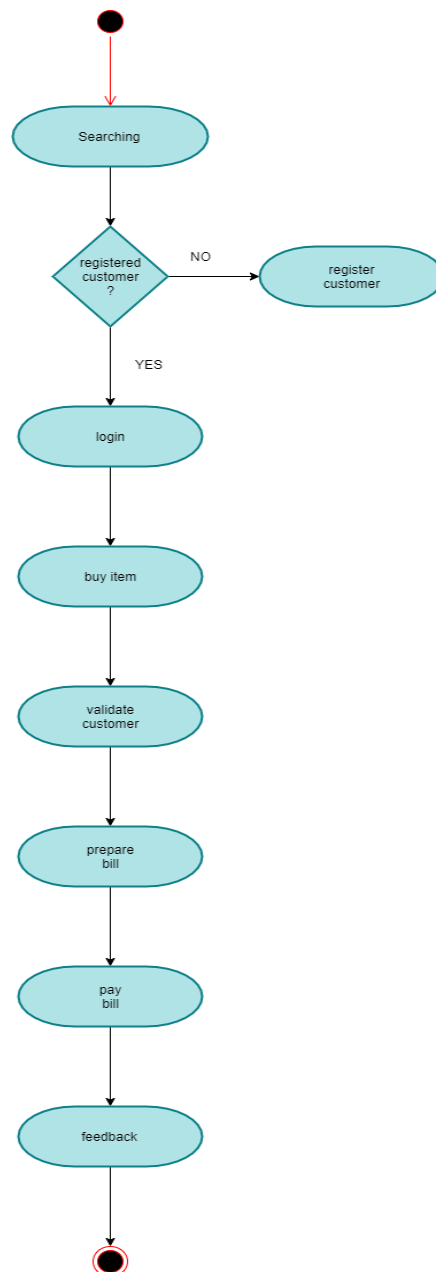
Customers: Customers are the primary users of the online shopping platform. They visit the website or mobile app to browse products, make purchases, track orders, and manage their accounts. Customers interact with the platform to search for products, view product details and images, add items to their shopping cart, proceed to checkout, make payments, and provide feedback through reviews and ratings. They may also use features like wishlists, saved addresses, and order history to enhance their shopping experience. Customers expect a seamless and secure shopping experience, with features such as easy navigation, product recommendations, personalized offers, and reliable customer support.

Administrators: Administrators are responsible for managing and maintaining the online shopping platform. They have access to backend systems and tools that enable them to oversee various aspects of the platform's operations. Administrators perform tasks such as adding, updating, and removing products from the catalog, managing inventory levels, setting pricing and discounts, configuring shipping and payment options, monitoring website performance and analytics, and handling customer inquiries and complaints. They also play a crucial role in ensuring the security, reliability, and scalability of the platform, as well as implementing policies and procedures to comply with regulatory requirements and industry standards.

Both customers and administrators contribute to the success of the online shopping platform, albeit in different roles and capacities. Customers drive revenue by making purchases and engaging with the platform, while administrators facilitate and support the customer's journey by providing a user-friendly interface, a diverse selection of products, reliable services, and efficient backend operations. Collaboration between these two key actors is essential for creating a positive and rewarding shopping experience for

users while achieving business objectives such as revenue growth, customer satisfaction, and brand loyalty.

2.4Flowchart



3.Output

The output requirements,

3.1.1 Registration

If customer wants to buy the product then he/she must be registered, unregistered user can't go to the shopping cart.

3.1.2 Login

Customer logs in to the system by entering valid user id and password for the shopping.

3.1.3 Changes to Cart

Changes to cart means the customer after login or registration can make order or cancel order of the product from the shopping cart.

3.1.4 Payment

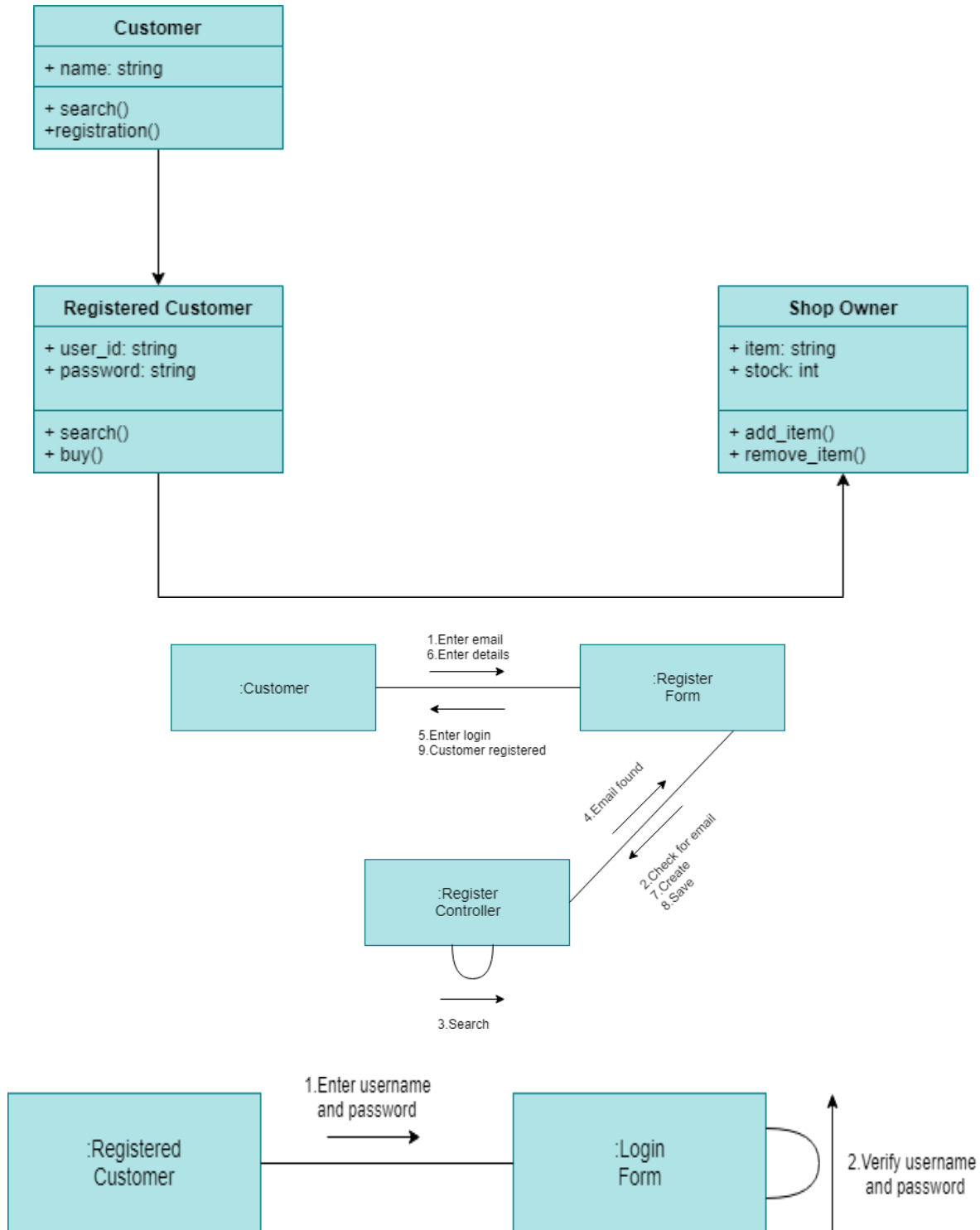
In this system we are dealing the mode of payment by Cash.We will extend this to credit card,debit card etc in the future.

Report Generation

After ordering for the product,the system will sent one copy of the bill to the customer's Email-address and another one for the system data base.

4.Design Model

4.1 Class Diagram



4.1.1 Sequence Diagram

