

Software Requirements Specification

For

**E-commerce Project
(MOONJ)**

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1. Introduction

1.1 Purpose

The Moonj shop store web application is intended to provide a complete solution for the business Moong and for the customers of the moong business through a single gateway using the internet as the sole medium. It will enable Moonj business to set up online, customers can browse and select moonj products online. It will profit customers and producers by removing third-party involvement.

1.2 Scope

- Secure registration and profile management facilities for customers.
- An adequate searching mechanism for easy and quick access to particular products and services.
- Feedback mechanism, so that customers can give feedback for the product.
- Secure payment mechanism and gateway for payment method.

1.3 References

- <https://nodejs.org/en/>
- <https://reactjs.org/>
- <https://www.djangoproject.com/>
- <https://www.javascript.com/>

2. The Overall Description

2.1 Product Perspective

Moonj shop is aimed towards Moonj products, to reach out to maximum cross-section of customers and common people who can be a potential customers. The project envisages bridging the gap between the Moonj products and the

customer. The Moonj web application is easy to navigate and reliable for Moonj business transaction. Moonj web application is intended to be a stand-alone product and should not depend on the availability of other software. It should run on both android mobiles and windows based platforms.

2.1.1 system interface

2.2 Product Function

- The main purpose of the project is to reduce manual work.
- Functions: A customer can browse through the shops and choose products to place in a cart. The cart list can be viewed and edited. Customers can choose a payment options and pay for their products. Customers can change the delivery address, User can view where the status of the product. The customer can also view all the products which he has purchased.
- An admin can add products. See how many products are left, can change and manage the status of the product. Admin can also manage user.

2.3 User classes and characteristics

- The user must be familiar with the concept of the cart, online payment, etc
- The user must be familiar with the operating system and the browser.

2.4 Operating Environment

The product will be operating in a windows or android environment. Moong is a web application that must operate in all famous web browsers, for a model we are taking Internet explorer, Google chrome,firefox, and opera. The only requirement to use this online product would be the internet connection.

The hardware configuration includes a Hard Disk: 40 GB, RAM 2 GB processor i3 and above

The basic input devices required are a keyboard and mouse and monitor.

2.5 Operating Environment

An online store is a virtual Store on the Internet where customers can browse the catalog and select products of interest. The selected items may be collected in a shopping cart. At checkout time, the items in the shopping cart will be presented as an order. At that time, more information will be needed to complete the transaction.

Usually, the customer will be asked to fill or select a billing address, a shipping address, a shipping option, and payment information such as a credit card number.

2.6 User documentation

The product will include a user manual. The user manual will include a product overview, complete configuration of the used software (such as SQL lite server), technical details, backup procedure, and contact information which will include an email address. There will be no online help for the product at this moment. The product will be compatible with Internet Explorer 6.0 or higher. The databases will be created in SQL lite.

2.7 Assumptions

- 1) The coding should be error-free.
- 2) The system should be user-friendly so that it is easy to use for the users.
- 3) The system should provide a search facility and support quick transactions.
- 4) Users may access from any computer that has internet browsing capabilities and an internet connection.
- 5) the user must have their correct usernames and passwords to enter into their online accounts and do actions.

2.8 Dependencies

- 1) The specific hardware and software due to which the product will be run.
- 2) On the basis of listing requirements and specifications the project will be developed and run.
- 3) The end users (admin) should have a proper understanding of the product.
- 4) The system should have a general report store.

3. The Overall Description

3.1 User Interfaces

- Admin can View, Edit, and Delete everything on the product
- Users can view the whole information

3.2 Hardware Interfaces

- Operating system: Windows, Android
- Hard disk : 40 GB , RAM 2 GB
- Processor: Intel i3 and above

3.3 Software Interfaces

- Visual Studio Code or Pycharm
- Node js
- Sql lite db server

3.4 Communications Interfaces

The Customer must connect to the Internet to access the Website:

- Dialup Modem of 52 kbps
- Broadband Internet
- Dialup or Broadband Connection with an Internet Provider.

4. System Features

- The website authority should ensure to provide real product
- Customer information security confirm
- Security for the transaction
- Manage customer information

5. Other Nonfunctional requirements

5.1 Performance requirements

There is no performance requirement in this system because the server request and response is depended on the end user's internet connection.

5.2 Safety requirements

The database may fail at any time due to viruses or operating system failure. Therefore, it is required to take the database backup so that the database is not lost. A proper UPS/ Inverter facility should be there in case of power supply failure.

5.3 Security requirements

- The system will use a secured database
- Normal users can just read information but they cannot edit or modify anything except their personal and some other information
- System will have different type users and every user has access constraints

5.4 Software Quality Attributes

The quality of the database is maintained in such a way so that it can be very user friendly to all the users of the database.

The user will be able to access the site using some simple software

5.5 Business Rules