# Falahaar: Online Fruit Shop

* Document:

System Requirement Specification Document for online fruit shop

* Team:

Pratiksha Jayawant Deshmukh (233068)

Shivanee Vishwas Mande (233089)

* Introduction:

The Online Fruit Shop Project aims to develop a user-friendly and efficient e-commerce platform for selling a variety of fresh fruits online.

* Objective:

To develop a web-based online fruit shop that allows users to browse through the products and place their order using the internet without visiting shop physically. And provide doorstep delivery to the user, once user has finalized the order and added to the shopping cart.

* Scope:

The Online Fruit Shop will consist of the following main features:

User Registration and Authentication

Browse Fruits

Product Details and Images

Shopping Cart Management

Secure Payment Processing

Order Tracking

User Profile Management

Admin Dashboard for Product and Order Management

* Entities:

- User (Admin, Customer)

- Product

- Shopping cart

- Order

- Delivery

- Payment

* Definitions:

- SRS: System Requirement Specification Document

- OSS: Online Shopping System

- Portal: Personalized Online Web Application

- GUI: Graphical User Interface

- DFD: Data flow Diagram

- CD: Class Diagram

* Functional Requirements:

Any anonymous user should be able to view Home page.

A registered customer should be able to view different fruits available for sale. Customer should be able to select fruit to view from categories available.

* Registration:

If customer wants to purchase any fruit, then he/she must be registered. Unregistered user should be only able to view the shopping portal.

* Login:

Customer should be able to login to the system by entering valid user id and password. After login, the system must allow customers to place orders and make payments online/offline.

* Browse Fruits:

Users should be able to browse a list of available fruits.

* Product Details and Images

Each fruit should have a detailed product page displaying its name, description, price, and images.

* Shopping Cart Management

Users should be able to add fruits to their shopping cart.

The cart should display the list of selected fruits, their quantities, and the total cost.

Users should be able to modify the quantity of fruits in the cart or remove items.

* User Profile Management

Users should be able to view and update their profile information.

Order history should be accessible from the user's profile.

* Admin Dashboard for Product and Order Management

Admin users should have access to a dashboard to manage categories, including adding, updating, and removing fruits.

The admin dashboard should also allow order management, order status updates, and tracking.

* Non-Functional Requirement:
* Security:

Registered Users will be allowed access to system after authentication and verification of Username and

Password.System will internally maintain secure communication between Servers.

* Reliability:

The system will backup business data on regular basis and recover in less period of time to keep system operational.Continous updates are maintained, continous Administration is done to keep system operational.

* Availability:

The system will be available for 24\*7 hours.

* Maintainability

A commercial database will be used to maintain system data persistence.

Separate enviornment will be maintained for system for isolation in production, testing and development.

* Portability:

- PDA: Portable Device Application System will provide portable User Interface(HTML,CSS,JS) through users will be able access online PM System.

* Accessibility:

Only registered users will be able to able to see their Cart Details status after authentication.

* Durability:

System will implement backup and recovery for user’s data and products data.

* Efficiency:

System will be able to manage all CRUD operation with isolation.

* Modularity:

System will be designed and developed using reusable, independent or dependent business techniques in form of modules.

* Scalability:

System will be able to provide consistent user experience.

* Safety:

Online Fruit Shop System "Falahaar" will be secure from malicious attack, Fishing and Hacking.

Role based security will be applied to Application data and Operation Accessibility.