

# Software Requirements Specification (SRS) Document

Team 32: Arnav Negi, Prakul, Srihitha, Vedanivas

## Brief problem statement:

The project is a SaaS product in the form of a MERN based web application meant for dairy farmers. It includes services such as bookkeeping for products, customers, and delivery drivers. The aim of the product is to provide dairy farmers with a digital database for their business in place of traditional paper or excel sheets.

## System requirements:

The project will be made mainly using MERN stack

## User profile:

Vendors, that is the dairy farmers themselves, will be using this web-based application. They are the ones who want to sell their products to various customers.

Previously, they would document all of delivery details on paper etc., but now they will use this software to satisfy their business needs.

Application will have to be user-friendly, as they might not have high level of experience in dealing with technology.

Customers of these dairy farmers, will also be using this web-based application. They are the ones who will be buying the products from nearby dairy farmers.

They are likely to have better experience with technology. The user-interface will still be similar to that of the vendors, to maintain uniformity and ease

## Project Modules:

### Splash Screen

This will appear as soon as the user will open the app, and disappear after some time.

### Registration and Login Screens

Depending on whether the person using the web-app is a vendor or customer, it will allow first-time users to register on the application, and already existing users to login.

### Customer Home Screen

It will have the navigation bar to various others functionalities. It will have the customer's menu as well as list of vendors, on which filters can be applied

### Vendor Detail Screen

It has the detailed description of each vendor and their products, so that the customer can choose accordingly.

### Shopping Cart

Customers can add and remove items that they want to order, and view them here.

### Order Information

It displays information about the currently placed order and past orders as well.

### Notifications

Notifications for various actions performed by Customer or Vendor are displayed accordingly.

## Profile page

Depending on whether the person using the web-app is a vendor or customer, it gives the details about the user, and details about the delivery service if the user is a vendor.

## Settings/App Info

It has general information about the web-app and the SaaS product.

## Inventory Management

Vendors can manage their products here according to supply and demand.

## Order Management

Vendors can view and manage various orders here, as well as view previous orders.

## Earnings Management

Vendors can view transaction history for orders that have been completed in this screen.

## Feature requirements:

### Splash Screen (R1)

1. Logo
2. Tagline

### Registration and Login Screens (R1)

#### Registration

1. Name
2. Phone number
3. Email address
4. Password
5. Confirm password
6. Upload documents  
This feature is only for Vendors. It includes getting the identity proof of vendors and their farm.
7. Register button  
After user click this, email verification will be required to get registered

#### Login

1. Email address/Username
2. Password
3. Login Button
4. Remember Me  
If this checkbox is toggled, the user will not have to login everytime this application is opened
5. Forgot Password?  
It will lead to a separate page, from where it will send a password reset email on the entered email (after checking if that email ID is registered)

### Customer Home Screen (R2)

#### My Menu

1. My profile  
This button will allow customer to go to Profile page
2. Order history  
This button will allow customer to go to Order information

3. Settings/App Information  
This button will allow customer to go to Setting/App Info
4. Rate the app  
This feature will allow customers to share their experience of using the SaaS app
5. Logout

## Notifications

This button allows you to view your pending notifications.

## Cart

This button allows you to view your cart

## Wishlist

This button allows you to view your Wishlist

## Vendors List

1. Name of vendor
2. Image/Logo
3. Address
4. Status  
This tells whether this vendor is currently Open or Closed
5. Rating
6. Minimum order amount  
This tells how much the customer must order at minimum to be serviceable by this vendor
7. Filter Vendor list  
Customer can filter and sort the vendor list according to Minimum order amount, Status and Rating
8. Search vendors  
Customer can search for vendors in the search bar, either by searching for their names, or address

## Vendor Detail Screen (R2)

### Vendor Information

1. Name
2. Main image/logo
3. Address
4. Open and Closed hours and days  
This tells the customer on which days of the week can he order products from this vendor, and what are the timings in which he can do so.
5. Ratings  
These are rating stars given to this vendor, to judge how good he is.
6. Reviews  
These are customer reviews about that vendor
7. Minimum order amount  
This tells how much the customer must order at minimum to be serviceable by this vendor

### Menu item list

1. Name  
Includes names of products like cow milk, buffalo milk, paneer, ghee etc.
2. Image
3. Price  
Mentions the price of unit item. It can also include discounts
4. Contents  
Has a description of the product
5. Select Quantity
6. Add to Cart
7. Add to Wishlist

## Shopping Cart (R2)

### View added items

1. Name
2. Unit price
3. Quantity
4. Total price

### Actions

1. Change item quantity
2. Remove product
3. Add promo code  
Allows adding of discount codes and other promotional features
4. Continue shopping  
This button takes the customer back to home screen so that he can choose more items
5. Checkout  
This takes the customer to the checkout page

### Checkout

1. Add shipping address
2. Add landmark
3. Add note  
It is additional textual information about the details of the delivery.

## Order Information (R2)

### View Orders

1. View current order
2. View past orders
3. Filter orders by status or date

### Order details

1. Order ID
2. Items
3. Date/time
4. Vendor name
5. Amount paid and payment mode  
Payment mode can be via card/net banking
6. Order status  
Gives details about the status of the order – received/confirmed/in transit/delivered. Every change will lead to a notification to the customer

### Action

1. Rate and Review  
After order is complete, provide customer the option to give ratings and reviews
2. Cancel order

## Notifications (R2)

1. Registered successfully
2. Order submitted

3. Order cancelled
4. New order request
5. Order picked up
6. Toggle button  
Option to enable or disable notifications

## Profile page for Customers (R1)

1. Name
2. Email ID
3. Phone number
4. Address
5. Customer ID  
This is a view-only field. It is provided uniquely for each customer by the system.
6. Edit and save  
These are buttons that allow the customer to make changes to his profile.

## Profile page for Vendors (R1)

### Profile information

1. Business owner name
2. Dairy farm name
3. Established date
4. Logo/Image
5. Address
6. Opening and Closing hours  
Gives the time at which the vendor is available or is working
7. Working days  
It tells which days the vendor is working. It is implemented via a calendar.
8. Contact number
9. Email ID
10. Edit and save  
These are buttons that allow the vendor to make changes to his profile.

### Account details

1. Account holder name
2. Bank name
3. Branch name
4. IFSC code
5. Account number
6. Account type  
It can include types like savings/debt
7. Edit and save  
These are buttons that allow the customer to make changes to his bank account details.

## Settings/App Info (R1)

1. About us  
Gives a description about the SaaS product and its company
2. How it works  
It explains various details about the app and its overall functioning
3. Terms of use
4. Privacy policy

5. FAQs
6. App version

## Inventory Management (R2)

### Menu

1. Item names
2. Unit prices
3. Discounted prices  
Vendor can choose to give discounts for any number of items
4. Image
5. Edit and Save  
These are buttons that allow the vendor to make changes to his inventory.

## Order Management (R2)

### View orders

1. New/Ongoing orders
2. Past/Complete orders

### Order details

1. Order ID
2. Items
3. Quantity
4. Note  
Any specific note given by the customer along with this order
5. Amount  
Total cost of the order
6. Client name
7. Client contact number
8. Date/time of placement  
It tells the vendor, the date and time of when the order was placed by the client
9. Order status  
It can be Processing (by default), Out for Delivery (when order is taken by driver) or Cancelled (if order is cancelled by the customer)

### Change order status

1. Under preparation
2. Ready to pick

### Filter orders

1. Based on Order ID
2. Based on Order Date
3. Based on Status

## Earnings Management (R2)

### Transaction details

1. Transaction ID
2. Transaction Date/Time
3. Amount
4. Status  
Status can be weekly or monthly. The admin of the SaaS application will transfer money to the respective vendors on a weekly or monthly basis, according to what they have previously decided.

5. Total number of orders
6. Order details

#### Order details

1. Date/Time
2. Order ID
3. Items
4. Quantity

#### Filter Transactions

1. By transaction ID
2. Status