Software Requirements Document (SRS)

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.

Users 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 opens 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.

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.

Customer Home Screen

It will have the navigation bar to various other 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 a detailed description of each vendor and their products, so that the customer can choose accordingly.

Inventory Management

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

Subscriptions

Customers can subscribe to a vendor's product, specifying the quantity and frequency of the delivery of the subscribed product.

Feature Requirements

No.	Use Case	Module	Description - User Stories	Release
1.	Select user type	Splash Screen	- User selects customer screen - User selects vendor screen	R1
2.	Registration	Registration and Login Screens	- User is unable to register due to invalid data - User successfully registers as a customer - User successfully registers as a vendor	R1
3.	Login	Registration and Login Screens	- User is unable to login due to invalid credentials - User successfully logs in to their account as a vendor/ customer	R1

No.	Use Case	Module	Description - User Stories	Release
4.	View and update customer details	Profile Pages	- Customers can view user details entered by them during registration. - Customers can update details about their account	R1
5.	View and update vendor details	Profile Pages	- Vendors can view their details including some additional details to be filled after registration - Vendors can update info and fill additional info such as farm info and back info	R1
6.	View app settings	Settings/ App info	- User can view current app version - User can read FAQs regarding the app - User can read privacy policy of the app	R1
7.	Navigate to and from other screens	Home Screen	- Users can click on profile on navbar to go to the their profile page - Users can click on the app-info on navbar to go to app-info page	R2

No.	Use Case	Module	Description - User Stories	Release
			- Users can logout from the navbar - Users can navigate to all other pages	
8.	View list of vendors	Products Page	- Customer can view the list of vendors on the web app - Customer can search for a particular vendor through a search bar - Customer can filter or sort the list	R2
9.	View products of a specific vendor	Products Page	- Customer can view the list of products for the vendor they selected - Customer can add products to his Cart	R2
10.	View and update Cart items	Shopping Cart	- Customers can view all the products that they wish to subscribe to - Customers can change quantity, etc, or even remove items. - Customers can confirm subscription for products	R2

No.	Use Case	Module	Description - User Stories	Release
11.	View and update subscriptions	Customer Subscriptions Page	- Customers can check all of their subscriptions details - Customers can change or remove subscriptions	R2
12.	View list of products	Inventory	- Vendors can view the inventory to check the details of the products they are selling	R2
13.	Add/remove/ edit product details	Inventory	- Vendors can add new products that they wish to sell. - Vendors can update product details such as quantity, add discount etc. - Vendors can remove products that they are no longer selling	R2
14.	Check subscriptions	Vendor Subscriptions Page	- Vendors can view a list of all the subscriptions made by users. - Vendors can view the subscriptions for which they have to deliver products the next day	R2

UML Use Case Diagram

System

Vendor

Customer

Register

Login

Update Profile

Add product

View Products

Edit/ Update Product

Remove Product

View Subsciptions

View All Products

Add To Cart

View Vendors

View Products

View Cart

Edit Cart

Checkout

<<extend>>