**Online Dairy World**

**Business Requirement Specification**

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**1. Introduction**

* 1. **Document Purpose**

The purpose of an Online Dairy World Web Application BRS (Business Requirements Specification) document is to outline the specific business requirements and functionalities of an online dairy web application. This document serves as a blueprint for the development team, guiding them in creating the application according to the desired specifications and objectives.

**1.2 Project Background**

With the rise of e-commerce and changing consumer preferences, many dairy producers are looking to establish a direct connection with their customers. An Online Dairy Web Application allows farmers and dairy businesses to sell their products directly to consumers without relying solely on traditional distribution channels. It will enable dairy businesses to transit from traditional, manual processes to digital platforms, allowing for greater automation, accuracy, and convenience.

**1.3 Goals of the project**

One of the primary goals is to provide an online platform for selling dairy products directly to customers. This allows dairy producers to expand their reach beyond traditional brick-and-mortar stores and tap into a larger customer base. It also makes it easier for customers to access a wide range of dairy products without physically visiting multiple stores. Customers can explore product catalogues, check availability, compare prices, and place orders at their convenience. This accessibility can be particularly useful for customers who have limited access to physical stores or prefer online shopping.

**1.4 Customers and Stakeholders**

Customers:

* Admin who will manage the system
* Customers who want to buy the Products
* Farmers / Sweet Dealers who want to sell their Products
* Employee who will deliver the orders

Stakeholders:

* Farming Community
* Youth in farming
* Dairy Product Organization
* Government

**2. Business Requirements Overview**

* Online Dairy World system is the public web application.
* Online Dairy World system will be opened to the India, but in the phase 1, the main target is the Maharashtra’s Pune city.
* There will be mainly 3 types of user. One is the Sweets Dealer, second one is Farmer and last one is Consumer.
* Sweet Dealers and Farmers both can add their products on the system to sell.
* Consumer can search for the products available on the system and even the information about the farmer and dealer and accordingly purchased those products.
* Online Dairy World System provides the functions which connect the farmers, Sweet dealers and consumers efficiently.
* Online Dairy World System could be maintained by Administrator.

**3. Functional Requirements Overview**

Online Dairy World System consists of four modules described as below.

1. Admin Module

2. Seller Module

3. User Module

4. Delivery Module

**Admin Module:**

* + - Get all employees
    - Delete employees
    - Get all suppliers
    - Delete Suppliers
    - Get all products
    - Delete user
    - Add employees
    - Add suppliers

**Seller Module:**

* + - Supplier signup
    - Supplier sign in
    - Update supplier password
    - Add Products

**User Module:**

* + - Registration and creation of user profile
    - Get all products
    - Update User password
    - Get order
    - Edit Profile
    - Add address
    - Modify address
    - Add to Cart
    - Remove from Cart

**Delivery Module:**

* + - Employee signup
    - Employee sign in
    - Update Employee password
    - Get all orders
    - Update orders status

**4. Non-Functional Requirements**

**4.1. Performance**: The web application should be able to handle concurrent user requests efficiently and provide a responsive user experience.

**4.2. Security**: User data, including personal information and payment details, should be securely stored and transmitted using encryption protocols.

**4.3. Usability**: The user interface should be intuitive, visually appealing, and easy to navigate, ensuring a seamless shopping experience.

**4.4. Reliability**: The application should be reliable, with minimal downtime and error handling mechanisms to handle exceptions gracefully.

**4.5. Scalability**: The application should be scalable to handle increasing user traffic and accommodate a growing number of products and orders.

**4.6. Compatibility**: The web application should be compatible with different web browsers and devices to ensure broad accessibility.

**4.7. Accessibility**: The application should be designed with accessibility features to cater to users with disabilities, adhering to accessibility standards.

**4.8. Inventory Management**: The system should include inventory management capabilities to track product availability and update stock levels in real-time.

**4.9. Performance Monitoring**: The application should have monitoring tools to track performance metrics, identify bottlenecks, and optimize system resources.

**4.10. Compliance**: The web application should comply with relevant legal and industry standards, such as data protection, privacy regulations, and online payment security guidelines.