-Aniket Randive

APT IT Solutions

3/18/2023

Business Requirement Document



**Online Agriculture Products Store**

Contents

[1. Document Revisions 4](#_Toc454914111)

[2. Approvals 4](#_Toc454914112)

[3. RACI Chart for This Document 5](#_Toc454914113)

[Codes Used in RACI Chart 5](#_Toc454914114)

[RACI Chart 5](#_Toc454914115)

[4. Introduction 6](#_Toc454914116)

[4.1. Business Goals 6](#_Toc454914117)

[4.2. Business Objectives 6](#_Toc454914118)

[4.3. Business Rules 6](#_Toc454914119)

[4.4. Background 6](#_Toc454914120)

[4.5. Project Objective 6](#_Toc454914121)

[4.6. Project Scope 6](#_Toc454914122)

[4.6.1. In Scope Functionality 6](#_Toc454914123)

[4.6.2. Out Scope Functionality 6](#_Toc454914124)

[5. Assumptions 7](#_Toc454914125)

[6. Constraints 7](#_Toc454914126)

[7. Risks 7](#_Toc454914127)

[Technological Risks 7](#_Toc454914128)

[Skills Risks 7](#_Toc454914129)

[Political Risks 7](#_Toc454914130)

[Business Risks 7](#_Toc454914131)

[Requirements Risks 7](#_Toc454914132)

[Other Risks 7](#_Toc454914133)

[8. Business Process Overview 8](#_Toc454914134)

[8.1. Legacy System (AS-IS) 8](#_Toc454914135)

[8.2. Proposed Recommendations (TO-BE) 8](#_Toc454914136)

[9. Business Requirements 8](#_Toc454914137)

[10. Appendices 8](#_Toc454914138)

[10.1. List of Acronyms 8](#_Toc454914139)

[10.2. Glossary of Terms 8](#_Toc454914140)

[10.3. Related Documents 8](#_Toc454914141)

# Document Revisions

|  |  |  |
| --- | --- | --- |
| Date | Version Number | Document Changes |
| 19/03/2023 | 0.1 | Initial Draft |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

# Approvals

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Role** | **Name** | **Title** | **Signature** | **Date** |
| Project Sponsor | Mr. Henry | BRD | Mr. Henry | 18/3/2023 |
| Financial Head | Mr. Pandu | BRD | Mr. Pandu | 18/3/2023 |
| Project Coordinator | Mr. Dooku | BRD | Mr. Dooku | 18/3/2023 |
| Project Manager | Mr. Vandanam | BRD | Mr. Vandanam | 18/3/2023 |
| Development Lead | Ms. Juhi | BRD | Ms. Juhi | 18/3/2023 |

# RACI Chart for This Document

### RACI Chart



# Introduction

## Business Goals

The Online Agriculture Requirements store should be able to accept the product details from manufacturers and display the same to farmers. Farmers will get product delivered at their doorstep.

## Business Objectives

To achieve the business goals the proposed IT solution is incorporated with needed functionalities.

These functionalities which are present in software are listed below:

* Customer can check and buy all agricultural products through online e-commerce system which remove the existing manual process where customer comes to the offline vendors manually.
* If the customer is new then the system asks for registration
* System generates unique username and password which can be used for making reservation
* System allows customer to search and buy products.
* System allows customer to pay online or can pay personally
* Customer can make payments using different payment methods like cash, credit card, debit card or COD.
* System allows customer to view details of order.

## Business Rules

* System should allow only admin to initiate refunds and confirm orders.
* Only admin can complete manufacturer verification.
* Orders can be returned if the conditions of return are met.

## Background

Presently the farmers must procure the required material locally which consumes more time and energy. Also, there is a monopoly of local shopkeeper or distributor fire seeking the material. Once the online platform is made available to the farmers, they can order required material online, it will save their time and energy. They will also get competitive rates from the manufacturers due to close competition. Thus, the farers will be benefitted in several ways due to existence of online agricultural product store.

Farmers having problem in purchasing seeds / fertilizers / pesticides save time and energy due to formation of online platforms, they will be able to order directly from the manufacturer, resulting in competitive pricing being made available to them, thus procurement of various farming related products can be made easy.

## Project Objective

* The system captures the personal details of the customer and generates unique username and password.
* It reduces the existing manual process of reservation tour
* Customers can select tour schemes of their choice
* It simplify the payment process
* Customer can update personal details or view reservation details or cancel reservation
* The system allows administrator to add, modify or delete tour scheme.
* Project saves both time and energy for the customer by providing all the tour details like accommodation, duration and cost.

## Project Scope

### In Scope Functionality

BR001) All users (manufacturers and Farmers) should be able to log in to the application using their phone numbers using OTP as.

BR002) Users should be able to browse through the products catalog once they visit the website.

BR003) Farmers should be able to add products to the buy-later list.

BR004) Users need to have an easy-to-use payment gateway that should include cash-on-delivery (COD), Credit/Debit card, and UPI options so that the user’s experience should be better.

BR005) A user should get an email confirmation regarding their order status.

BR006) Users should get a delivery tracker to track the whereabouts of their orders.

BR007) User should be able to reset the password if forgot or wrongly inputted it more than 3 times.

BR008) Help Section.

BR009) A new user should be able to create a new account using email and password.

BR0010) Manufacturers should be able to list their products easily.

BR0011) There should be a system to add reviews and ratings for the products.

BR0012) Application should also be available in local languages.

### Out Scope Functionality

* Generating email or SMS about new products added to the online store and sale offers.

# Assumptions

* All users/Farmers have a valid email ID.
* Users have android/apple mobile if they are not using a computer or laptop.
* 3) Availability of internet connection while using the application
* 4) Availability of Printing and stationery material with the manufacturer.
* 5) Transportation system available for delivery of products.
* 6) Sufficient manpower availability.

# Constraints

* The shipping of the products to remote areas.

# Risks

## Technological Risks

We have the team who have worked on the technologies being used in the project and hence there aren’t any technology related risks.

## Skills Risks

Farmers are a relatively non tech-savvy crowd, adoption of technology will be difficult.

## Business Risks

Cancelling the project not only incur loss in terms of cost and time already dedicated towards it up till cancelation point and cannot improve the quality of service provided to customers.

## Requirements Risks

* Improper project planning.
* Improper requirements gathering.
* Frequent changes in requirements from client side.
* Client is not interested or is not able to fully devote to the development of the application.

## Other Risks

* The project doesn’t align with the stakeholder expectations.
* Key team members leaving the project or the organisation itself.
* The competitor may beat the client to the market.
* Scope Creep.

# 8. Business Process Overview

This process begins when customer access the system through online, system asks for registration if the customer is new and for registered customer login details If he wants to browse through the various products that are listed. To complete the registration customer gives personal details and then system provides with unique user Id and password to customer. Customer checks the available of the required product that he wants to buy and then chooses payment by online or goes personally to office and pays through staff by cash, credit, debit or COD and receives a confirmation email with the link from tracking his order. After buying some product the customer can view his order and can also cancel his reservation if the conditions for the same are met.

## 8.1 Legacy System (AS-IS)

The Farmer finds time in their day-to-day work to travel to the nearest Agriculture Products Store via their favoured form of travel and buys the choice of brand for the product if the choices are available.Thus, Farmers face issues in terms of time, money and effort just to procure the basic farming equipment.

## 8.2 Proposed Recommendations (TO-BE)

In the proposed system manual process is completely removed. The customer access system online and check availability of the tour package. If the customer is new then he has to complete registration process. The system generates unique username and password. The existing customer can login and select tour package and if satisfied make payment by selecting any payment method like cash, credit card, debit card or cheque, customer can even make payment by going personally to the valid staff. Existing customer can update his personal details, view reservation details or cancel reservation. Administrator can add, modify or delete tour scheme.



# 9. Business Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| Req. ID | Req. Name | Req. Description | Priority. |
| BR001 | Login credentials | All users (manufacturers and Farmers) should be able to log in to the application using their Email id and password. | 10 |
| BR002 | Browse application | Farmer should be able to browse through the products catalog once they visit the website. | 6 |
| BR003 | Wishlist | Farmers should be able to add products to the buy-later list. | 7 |
| BR004 | Payment gateway | Farmers need to have an easy-to-use payment gateway that should include cash-on-delivery (COD), Credit/Debit card, and UPI options so that the user’s experience should be better. | 9 |
| BR005 | Order confirmation | A user should get an email confirmation regarding their order status. | 5 |
| BR006 | Delivery Tracking | Farmers should get a delivery tracker to track the whereabouts of their orders. | 4 |
| BR007 | Login credentials  reset | User should be able to reset the password if forgot or wrongly inputted it more than 3 times. | 9 |
| BR008 | Search option | Users should have a search option to search for different products. | 5 |
| BR009 | New account | A new user should be able to create a new account using email and password. | 6 |
| BR010 | Product listing | Manufacturers should be able to list their products easily. | 7 |
| BR011 | User Interface | User Interface should be easy to user friendly and easy to use. | 5 |
| BR012 | Language | Application should also be available in local languages. | 8 |