

# Functional requirement specification - XYZ

## Startup

**Your upwork profile URL**

**Your Quote in INR**

*Important: we only require android mobile app and not ios. In android we only require hybrid to keep the cost of the project as low as possible.*

**Your Time Quote**

### **Scope:**

xyz startup is a unique and indigenous startup where multiple vendors aka partners will be able to sell their products via one single platform or Mall. There will be multiple malls. New malls can also be added if required. Each mall or store will cater the requirements of households within a radius of 5 km in the beginning.

***IMPORTANT: This is a pilot version of the app. There are no physical malls as of now. As a part of the pilot project we will be using the suggested portal with one or two small local grocery stores initially to see the feasibility. Therefore, any technology or ways to cut cost as much as possible is always welcome. PLEASE USE THE LAST PART OF THIS DOCUMENT TO WRITE YOUR QUESTIONS AND SUGGESTIONS.***

**Technology Proposed: Please suggest based on your experience, safety and cost effectiveness.**

*Web frontend: Please suggest*

*Backend / DB - Please suggest*

*Mobile technology : Android (only hybrid not native)*

*Server type required - please suggest*

### **Types of Users:**

**Admin:** Admin is the main authority of the entire portal. Admin can access the main control panel of the website via a secured login system.

**Sub Admins:** These are the managerial level members who will be assigned by the Admin for limited access of specific modules in a portal.

**Vendors / Partners :** Owner of the products under specific categories/types or groups. They can manage their inventories, generate reports etc via the vendor panel. (They are called partners because they will be keeping their products at our location and our delivery boys will

supply the product to the end user depending upon the orders.

**Delivery staff:** These are the people who will be delivering the goods to households and they can access the system through the Delivery panel.

**Billing Staff:** These are the people who will be doing the billing work once the order is received. They will take material from the vendor (available at our mall) and do the required billing for the end user/consumer . If there are returns the product will go back to the vendor via the billing staff. The billing staff can access the portal through billing panel.

**End users / Consumer :** These are the people who will be buying the products online, they will have the option to pay via debit, credit , net banking or paytm. They can also choose the COD option.

The end user will have to verify the mobile number once. For this he or she will have to download the app once and enter their mobile number. The app will use the mobile network to send a 4 digit code via sms which the user can enter manually or via automatic detection. Once verified the user will have to add their first and last name.

The app and the website will display all the products and offers available in their area mall. Each location will initially cater only 5km of radius.

End user can also purchase or order products from the web frontend.

Strong suggestion system based on the users search history on the portal will be implemented to ensure high up sales. The algorithm will be suggested by the project manager / coder / developer

## **Basics of all the module systems**

### **User Management System:**

In this module, the company can manage their user and their access to the company website which will be handled by the company Head or the Hr. manager.

### **Module Features:**

Add user: An admin user needs to create positions in the company so they can invite someone to fill that position.

Roles: An admin user needs to change the roles of a user

Permission

User overview

Edit user profile

### **On boarding:**

Sets up the user account and companies then will use this module with.

- User setup
- User profile
- Email Verification
- Select Company
- Join Company

### **Human Resource Management:**

It manages the Human resource department and scheduling their duties as well.

- Employee Profile
- Scheduling
- Calendar view
- Timekeeping
- Defining duties
- Biometric Authentication

### **Purchase Management System:**

It manages the Purchase activities of the company, a product can be sourced from multiple partners

- Purchasing
- Product List
- Catalogue Browsing
- Linking
- Inventory Browsing
- Track Purchasing
- Refunds

### **Product Management System:**

It helps to manage the Product sold by the company to support sales

- Setup Overview
- Overview
- Examine
- Kitting
- Sales
- Coupons and promotion
- Product Update
- Product Catalogue
- Print Catalogue
- Catalogue Overview

### **Sales Management System:**

It provides sales report of the company

Assemble Team

Assign Work

Create Lead

Monitor Team

Initiate a sale

Make a sale

Send to fulfillment

Back Orders

### **Fleet Management System:**

It provides Transportation management and work assignments

Assemble fleet

Fleet compliance

Configure Maintenance

Perform Maintenance

Assemble Drivers

Complete Log

Travel To Destination

Delivery Success

Delivery failure

Monitor Vehicle Driver

### **Inventory Management System:**

It helps to manage the inventory of the company Product's to Support Sales, purchasing and warehouse activities

Setup

Lot and Batch

Serial

Bookkeeping

Costing Model

Inventory Overview

Lot Management

Inventory Transformations

Stocktaking Event

Count Groups

Count Teams

Stocktaking Overview

Count Team Performance

Perform Stock take

### **Warehouse Management System:**

Provides Inbound and Outbound activities and general keeping of the warehouse activities and place.

- Setup Location setting
- Vendors and their inventories
- Worker Assignment
- Preview Order
- Configure
- Batching
- Staging Area
- Picking Optimization
- Orders Overview
- Wave Overview
- Picker Overview
- Picker to cart
- Zone Workflow
- Shelf Pulling
- Pulling to Picker
- Staging
- Packer Workflow
- Truck Loading
- Cart Loading
- Quick Put away And Cancellation

### **Service Management System:**

It provide services that are managed by the company for their customers.

- Setup
- Service Catalogue
- Sell Services
- Signature
- Bill Hours
- Service Notes
- Calendar Views
- FAQ'
- Support /Feedbacks/Queries

### **Website management system**

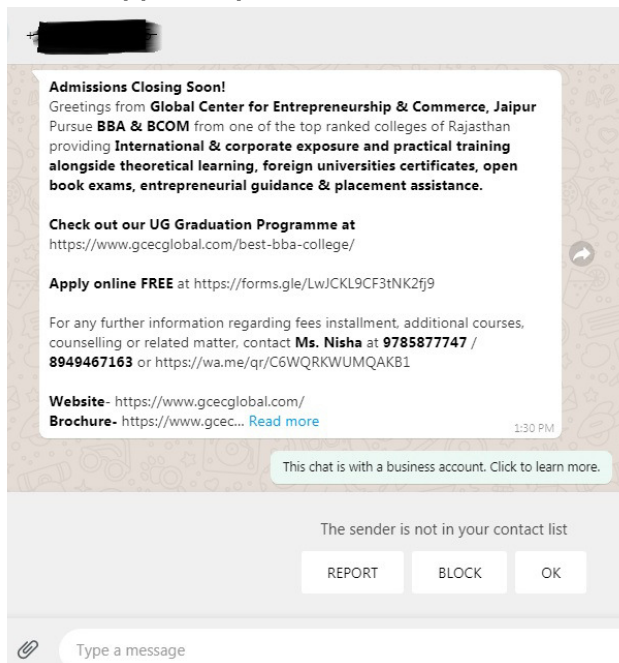
This is the admin panel of the main website of the company that will handle everything else apart from the portal structure. The admin or other levels assigned under the admin can add or manage content related to pages like privacy policy, blogs, special pages or ads in side bars (as in wordpress widget

system)

### Mobile notification system

Assigned user can send notification to all the app users via push notification. History of the previously sent notification will also be saved in the notification panel.

### Whatsapp Bot system

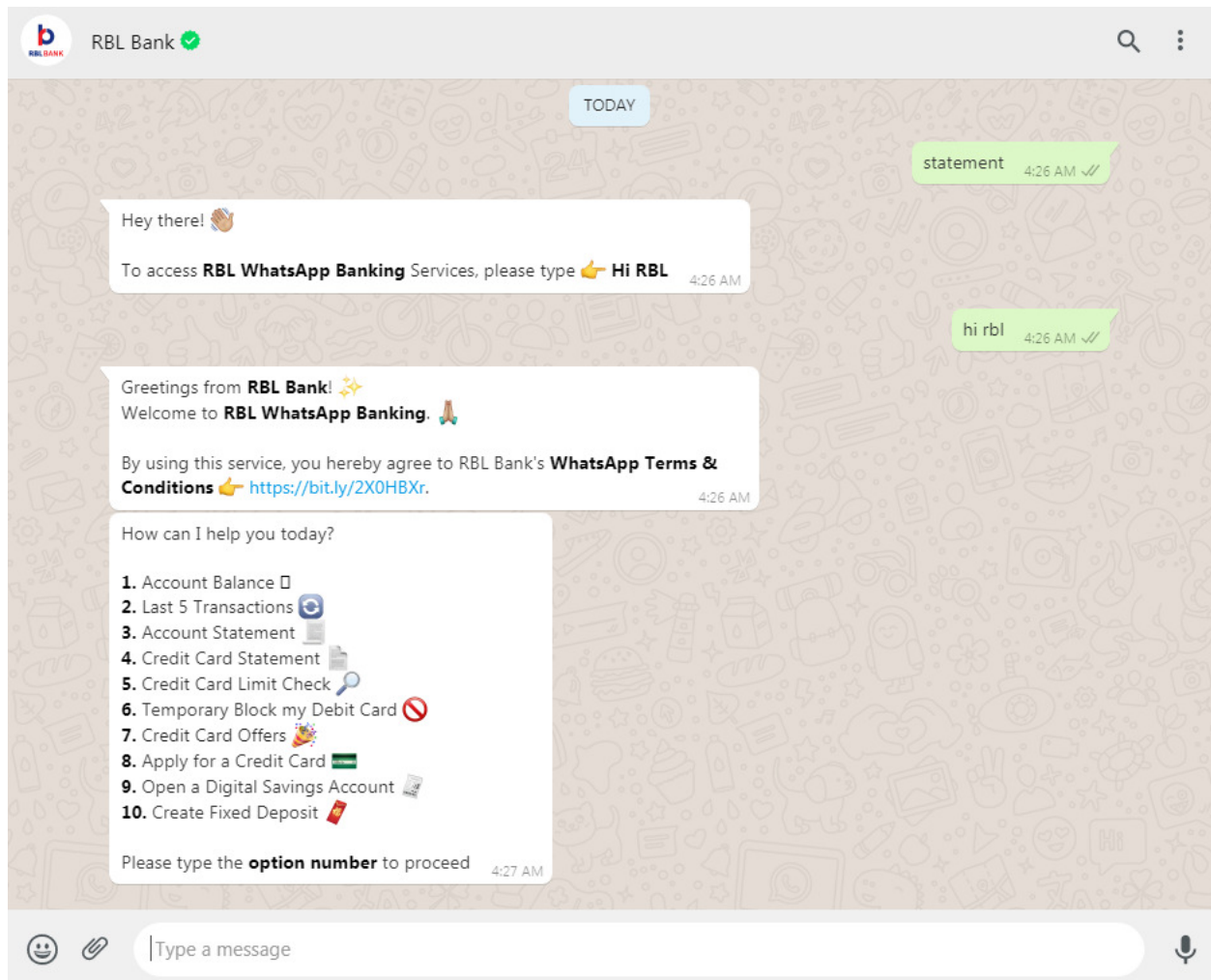


As soon as the user registers on the portal their mobile number will be automatically added to whatsapp bot system. These users can then be sent a welcome message with the FAQ page link of the website.

Further any offers that are added in the Mall of their area will be automatically sent to them with the required link.

### Bot suggestions

Whatsapp bot suggestions is a common feature that companies uses now a days. See the chat of my discussion with the bot for RBL bank below. When a user types something (like a product name or service) the bot has a pre defined suggestion. The user gets a list of all suggestions. For example I asked for statement.



It immediately prompted me to type the right keywords that is Hi RBL for more details. And when I typed the keyword it gave me all the options and asked me to type the option number.

Similarly our end user or the consumer can also search for products with keywords.

Therefore, our first prompt will be type any product for best rates.

The user might type peanuts or ghee

Our bot should show the latest rates for ghee or peanuts with the purchase link and offers.

The user might type wrong spellings. In such a condition the bot should interpret the best match and display the offers and rates with the purchase link.

API Integration available for future expansion.

The system you create should have the api option. Where other users can use our api and display products, price and purchase button etc. You have the liberty to suggest more.

## **Stages of the project**

*Please define the stages*

## **Time Frame**

*Please mention the time frame for the entire project*

## **Costing**

*Total costing: Please mention including GST*

*Module wise / Stage wise costing: Please mention separately (including GST)*

## **Other costs that we will take care of**

*Please mention all third party resources/codes and the onetime/recurring costs*

*Suggest a good server for India and the approx annual cost*

## **Your questions and suggestions**