

# Online Grocery App Development Plan

## Objective:

To build a daily grocery app for India market, with city specific instances.

The app should be available in Android as well as iOS platforms.

The same functionalities will also be available in a customer facing website.

The app will be managed through a web based admin site.

The solution should be an end to end e-commerce solution for the technology part.

Actual product delivery and customer management will be handled by client team.

Utilize a pre developed similar app and customize for the current requirement

## Proposed Features:

- Customer login and personalized customer details section
  - Loyalty points
  - Personalized coupons
  - Personal data management
  - Login/Signup functionality
- Product management
  - Product listing, delisting, hiding, stock management
  - Product attributes creation and management
  - Short and long descriptions
  - Inventory management
  - Product preview
  - Buy now, add to cart, wish list options
  - Product rating options
  - Product video section
- Marketing
  - Coupons, promotions, combo offer
  - Price discount
  - Time based pricing strategy
- Administration (only web)
  - Order management, status enquiry and customer query resolution

- Payment management (only pre-paid to begin with) – customer will provide bank account and other business details for accepting payment
  - Refund management
  - Product listing / update
  - Email for every customer action, order management
- Business Intelligence
  - Daily Sells reports
  - Stock/ out of stock reports and alerts
  - Product reports
  - Customer reports

## Deliverables

Focus Area	Core Activity	Deliverables
IT Development	Website Development	Layout Design & Page Creation
		Template Standardization
		Create Store Management Layout
		Configure E Commerce Functionalities
		Domain Hosting
		Create 3P Feature Integrations incl. Payment Gateway, Shipping Provider API integrations, Login Validations, Social Media Integrations
		Administrative Dashboard Creation
	App Development	Administrative Dashboard Creation
		Native App Design
		Mirror Store Management & product Master
		Integrate e Commerce Functionalities
		Design Mobile-based UI
		Mirror 3P Feature Integrations
	Data Management & Reporting	Inventory Management Process
		Sales Reporting Dashboards at Price & SKU level
	Support & Maintenance	Monthly & Quarterly Tech Refresh on Settings & Servers
		Feature Additions & Changes
		Page Creation & Updates

## Assumptions

1. Client will provide actual pictures, videos and details of the products for regular merchandise management. We will provide the data templates
2. We will upload up to 100 products before the final release/ go live
3. Client will provide bank details and other business documents for registering with payment gateway

## Future Development Options:

- SMS Integration for order management
- WhatsApp Integration for customer communication
- Google Map Integration
- Chatbot Integration for customer service

## Technology Stack Proposed

### Back End

Laravel :- Front end

MySQL :- Database

jQuery :- Scripting Language

### Mobile App:

- 1) React Native :- Facebook framework
- 2) Node Js :- For using Npm and package handling
- 4) Hooks :- State Management System
- 5) Functional Component :- Wrapper Components
- 6) GraphQL:- Used for specific number of api calls and optimum server query
- 7) Async Storage:- To hold state
- 8) Redux- Persist :- Background State management
- 9) Push Notification RN:- Third party for smooth notification
- 10) RN Paper :- Custom Theme
- 11) RN Material UI :- UI Components
- 12) Axios :- Api Calls .
- 13) GitLab :- Repo management.
- 14) Docker:- Node Modules Management.