

Technical Document - Annexure I of E-Commerce Application

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Annexure I

1. Project Overview

✓ Business Need

Fedal is looking to an E-Commerce mobile application which allows users to purchase the hotel related products that are listed out across the platform.

✓ How the platform would help in achieving the business need

The proposed project comprises the design and development of an E-Commerce application. There will be 2 user panel, user and admin. The user can create an account, view different categories, view products, add items to the cart, and place an order by making online payments. Admin will manage all the activities from the backend.

✓ Target Audience

Hotels, Restaurant and End - User

✓ Stakeholders

Actor	Task
End User	User can create an account, view different categories, view products and description, add items to the cart, and place an order by making online payments and manage profile.
Admin	Admin will manage all users, orders, products, payments and content from the backend.

✓ Project Scope and Development Deliverables

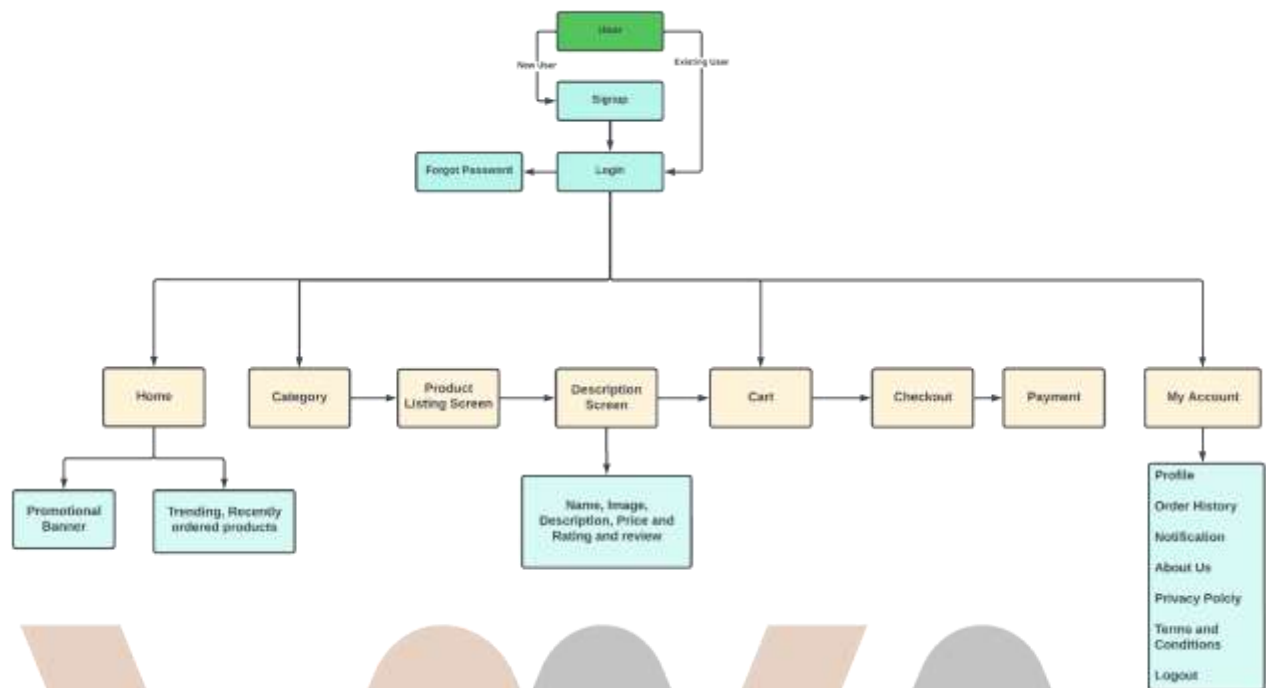
This project scope comprises of the following components to deliver:

- Design and Development of Mobile Application for End-User (iOS & Android)
- Development and Integration of API
- Development of Admin Web Panel

2. Technologies

Development Phases		Tools & Technology
Requirement Gathering and Analysis	Proposal Drafting, SRS Writing and User Flow Diagram	Microsoft Office Word 2019 / Microsoft Office Presentation 2019 / Microsoft Office Vision 2019
	Wire Framing	Axure / UiZard
Development	Application	Flutter / React Native
	Web Backend	Node.js / PHP (Laravel)
	Database	MongoDB / MySQL
Version/s Supported	Android	9.0 and above
	iOS	13.0 and above
	Browser	Google Chrome, Safari, Mozilla Firefox
Quality Assurance & Testing	Test Cases	MS Office Excel 2019
	Testing	Manual

3. User Flow Diagram



4. Features and Scope of Work

4.1. User Flow of Mobile Application

➤ **Splash Screen**

- User will be able to view the splash screen with company logo and application name.

➤ **Sign Up**

- The User will be able to sign up on the platform by using their:
 - First name and last name
 - Email
 - Password

➤ **Login**

- Users will be able to Login on the platform using their login credentials. The Users can use the following credentials such as the:
 - Email Address
 - Password

➤ **Forgot Password**

- If Users forget the password then simply Users clicking on forgot password link and where Users has to fill the email id.
- After entering the email id Users will get an OTP on the email that Users has to fill into the OTP field.

➤ **Home Menu**

- User will be able to view the promotional banners in carousel view.
- User will be able to view the trending products across the platform. A CTA will be there to add the product to cart.
- User will be able to view the recently ordered items on the platform. A CTA will be there to add the product to cart.
- User will be able to view the last viewed items across the platform. A CTA will be there to add the product to cart.

➤ **Categories Menu**

- User will be able to view all the product categories available in the platform.(i.e. Dinnerware, Tea and coffee sets and Table Linens and etc.,)

- Once they click the product categories they will be moved to product listing screen to view all the products available on the category.

➤ **Product Listing Screen**

- User will be able to view the list of products on the platform.
- User will be able to view product name, category and price details in the product listing screen.
- User will be able to view filter the product by price, categories.
- User will be able to add the product to cart.
- Once user clicks the products they will be moved to Product description screen where they can view the product information

➤ **Product Description**

- User will be able to view the product description with the following details
 - Product name & Category
 - Product description
 - Product images/Videos
- User will be able to add the product to cart.

➤ **Cart Menu**

- User will be able to view the available products in the cart.
- User will be able to remove the products in the cart.
- User will be able to update the product quantity.
- User will be able to check out the products available in the cart.
- User should require minimum order value to place the orders.

➤ **Checkout Screen**

- User will be to add address by entering door no, street name, land mark, and Zip code.
- User will be able to add shipping and billing address.
- After checkout, user will be able to do payment.

➤ **Payment Screen**

- Users will have the option to make payments in two ways:
 - Full Payments – Applicable to both new users and recurring users.

- Partial Payments – Applicable to recurring users, where they will pay 50% before delivery. After delivery, they are required to make the remaining 50% payment
- User will be able to do payments via payment gateway (Stripe).
- If payment failed, user will be redirected to checkout page to do payment again.
- If payment success, User will be able to view the order confirmation screen.
- User will receive order confirmation via SMS or Email.

➤ Profile Menu

- **Edit Profile:**
 - User will be able to edit the profile details such as name, profile details email address and update password.
- **Order History:**
 - User will be able to view all the order history and their details.
 - User will be able to cancel the orders.
 - User will be able to track the orders.
- **Notification:**
 - User will be able to view all the notification.
 - User will be able to get the notification based on the following scenario
 - Promotional notification
 - Order updates
- **Change Language:**
 - User will be able to change the language (English/Spanish)
- **Contact Information**
 - User will be able to view the Company contact information.
- **Privacy Policy:**
 - User will be able to view the privacy policy details.
- **Terms and conditions:**
 - User will be able to view the terms and conditions.
- **Logout:**
 - User will be able to logout the application.

4.2. Administrator Web Panel

The back end of the platform will be power packed with an administrative panel to manage the updates of data at the application level, website level and as well as back end.

Following would be the key functionalities:

➤ User Management

- Admin will be able to manage all the users from the backend.
- Admin will be able to view the user details. (I.e. name, email address, order history with date & time, quantity and etc.,)
- Admin will be able to activate and deactivate any of the users from the platform.

➤ Product Management

- Admin will be able to manage all the products available in the platform.
- Admin will be able to create the category.
- Admin will be able to edit/delete the category.
- Admin will be able to create the new product by selecting the category, entering the product name, Product description and uploading the product images/videos.
- Admin will be able to edit/delete the products.
- Admin will be able to active/deactivate the products.

➤ Order Management

- Admin will be able to manage all the order across the platform.
- Admin will be able to view the delivered order details and cancelled order details.
- Admin will be able to filter by start date and end date to view the order details.
- Admin will be able to view the order details and can update the order status. (Accepted, Dispatched, Delivered)
- Admin will be able to download order reports in PDF and Excel.

➤ **Payment Management**

- Admin will be able to view the order payment details.
- Admin will view the details like as customer name, order details, price and other details.
- Admin will be able to download the payment details in PDF/Excel.

➤ **POS**

- Admin will have an option to create a new order for the customer from the Admin Panel.
- Admin will view the all categories.
- Admin will search the products.
- Admin will update the product quantity.
- Admin will view the total price inclusive of tax.
- Admin will view the sub-total.
- Admin will update the order tax and shipping.
- Admin can save the billing as draft.
- Admin can suspend the billing.
- Admin can chose the payment mode – cash and on-line payments.
- Admin can view the recent transaction details and the can edit/delete and print.
- Admin can save the invoice and have an option to print.
- Admin can view the sales register history.
- Admin can view the sales register details and they can download or print.

➤ **Notification Management**

- Admin will be able to send the notification with the User.
- Admin can send the notification promotional notification as text, images and text with images.

➤ **User Based Access and Roles**

- Admin will be able to create new roles and grant permissions to employees for accessing specific modules on the Admin Panel.
- Admin will have the capability to edit or delete access permissions.

➤ **Content Management**

- Admin will be able to add, edit and delete content of the platform from backend.
 - Promotional Banner – Up to 5 and able to set priority
 - Contact Information
 - Terms and Conditions/About Us/Privacy Policy



5. Project Management

Before Project is awarded			
Business Analysis	Project Management / Software Development	Business Development / Sales	Accounting
1. Project Identify / Analysis	5. Project Evaluation by technical teams	12. Introduction call	19. Invoice submitted to Fedal
2. Develop one-page proposal overview	6. Introduction call 1 on 1 interaction with Fedal	13. Deliverables discussed with Fedal	20. Payment received
3. Create project management overview	7. System appropriate services determined	14. Milestones discussed	21. Payment confirmation sent to Fedal
4. Fedal assigned to business manager GBM	8. Requirements / System application architecting	15. Project success discussed	22. Account forwarded to PM
<i>GBM: Global Business Manager</i>	9. Project needs analysis	16. Future growth alignment	
	10. Detailed proposal development	17. Detailed proposal provided	
	11. Cost and Time effort estimation	18. Payment instructions	

After Project is awarded			
Phase 1	Phase 2	Phase 3	Phase 4
1. Project manager assigned	6. Design, Development / technical teams assigned	12. Testing / Quality Assurance	16. Periodic project maintenance
2. Project initiation/ introduction call	7. Project start	13. Live server testing	17. Data backups
3. Online project profile created	8. Fedal feedback on weekly	14. Final bugs issues fixed	18. Web site – System application upgrades
4. Weekly project meetings scheduled	9. Weekly project feedback session- 30 min	15. Campaign completed	19. On line marketing ** Optional
5. Reporting formats explained to Fedal	10. Reports available on-line		
	11. Online Rebel catering access of PM system application		

6. Proposed Team of Project

The proposed team to achieve the deliverables in a time span of 6 Business Weeks comprising of 40 hrs./week is as follows

Designation	Availability
Project Manager	Part Time
Project Expert	Part Time
Designers	Full Time
Developers	Full Time
Quality Analyst	Full Time

IN WITNESS WHEREOF, both parties here have to agree the finalized scope for this project as of the date.

For: Fedal

Signature:

For: WebMobril Inc.

Signature:

