

Technical Document – Annexure I of Supply Chain Management App

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Annexure I

1. Project Overview

✓ Business Need

Client needs a platform where employee can make purchase orders for requisition and sales order. Employee will send these orders to the admin and it will be shown to the admin and respective sub-admin of the department for approval. Sub-admin shall have access to the portal with all the modules for which admin has shared the access to them. Admin shall have option to manage platform from the backend.

✓ Solution Suggested

As a solution we suggest to create a mobile app for the employees, where they can make purchase and sales order by filing out a form. These orders will be sent to the admin and respective sub-admin of the department for approval. Employee can see the status of the sent Purchase and Sale order in their mobile app. Sub-admin will have access to the portal with all the modules for which admin has shared the access to them.

Admin will have option to manage users, dashboard, sub-admin, purchase orders, sales orders, reports, and notifications from the backend.

✓ Stakeholders

Actor	Task
Employee	Employee can create purchase and sales orders from the mobile app.
Admin	Admin will have option to manage users, dashboard, sub-admin, purchase orders, sales orders, reports, and notifications from the backend.

✓ Project Scope and Development Deliverables

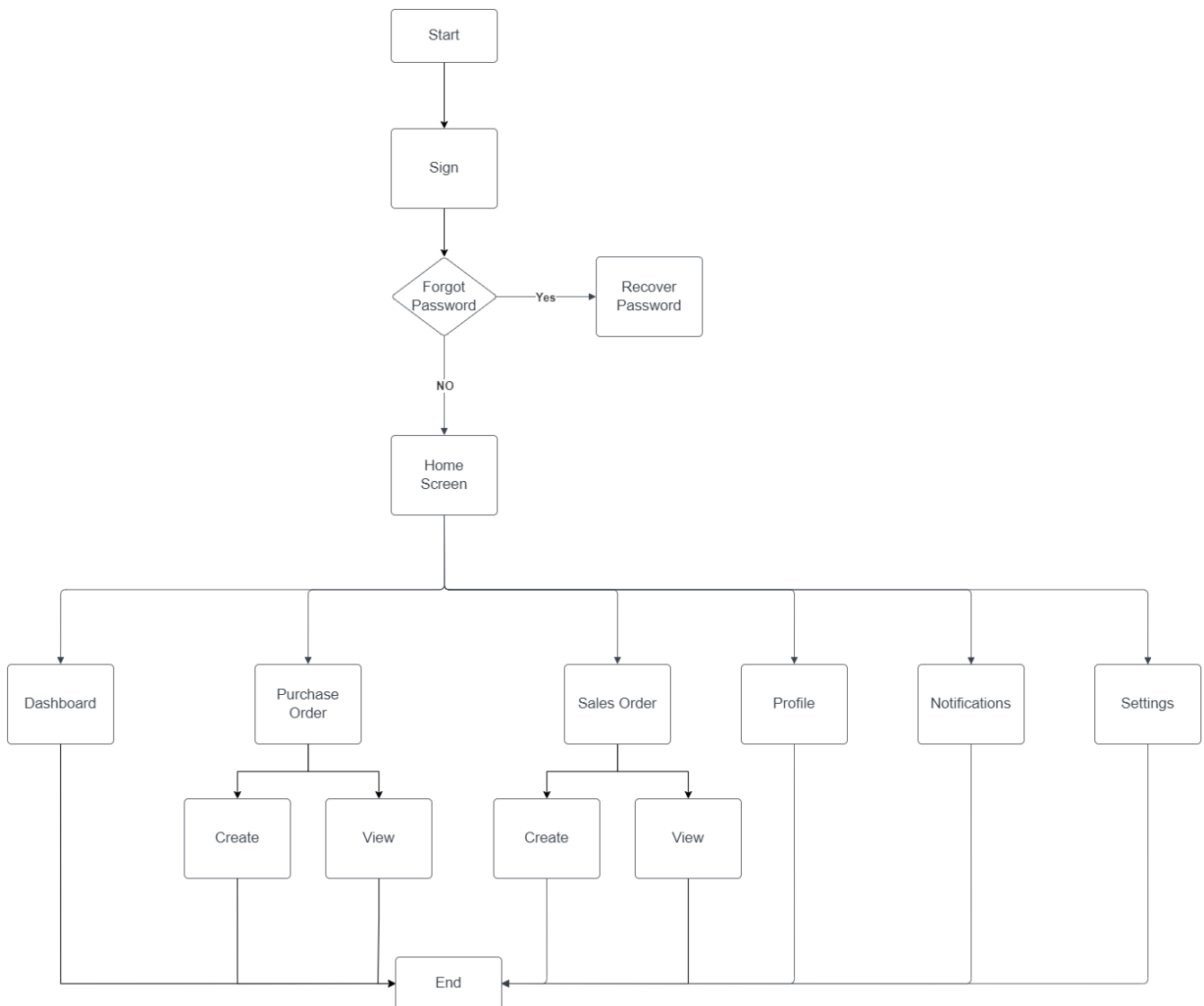
This project scope comprises of the following components to deliver:

- Design and Development of Employee Mobile Application (iOS and Android)
- Development of Sub-Admin Web Panel
- 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 for Employee Mobile App

➤ Splash Screen

- The launch screen of the Application where employee will be able to view the app's logo.

➤ Authentication

• Sign In

- The Employee will be able to login into the web app using the below details:

- Email ID
- Password

- **Forgot Password**

- Clicking on this Employee would be redirected to the Forgot Password screen where Employee need to enter the below details:-

- Email ID (To receive the OTP for verification).
- OTP
- After the OTP is verified Employee would be asked to mention below details in order to change the password:-

- New Password
- Confirm New Password

➤ Home Screen

- Following details will appear over the home screen:
 - Total Purchase Orders Submitted
 - Total Sales Orders Submitted
 - Create Purchase Order (Button)
 - Create Sale Order (Button)

➤ **Purchase Orders**

- **Create**

- Employees will have an option to create purchase order, to create one following details will be required:
- Order ID(Auto-generated, shall be unique)
- Title
- Order Type - Purchase Order
- Product/Item Selection
 - Select from dropdown/list
 - Enter quantity for every order
- Required before
- Send
 - On-click, this request will be sent to the admin panel where they can verify and proceed further.

- **View**

- Employee can see all the purchase orders create by them along with its status.

➤ **Sale Orders**

- **Create**

- Employees will have option to create sale order, to create one following details will be required:
- Order ID(Auto-generated, shall be unique)
- Title
- Order Type - Sale Order
- Product/Item Selection
 - Select from dropdown/list
 - Enter quantity for every order
- Need to be sold before
- Send
 - On-click, this request will be sent to the admin panel where they can verify and proceed further.

- **View**

- Employee can see all the sale orders create by them along with its status.

- **Notifications**

- Employee will receive notifications for updates or announcement from the admin.

- **My Profile**

- Employee will be able to View their profile details.

- **Change Password**

- Employee will be able to change their password.

- **Logout**

- Employee will be able to logout of the mobile app, after which they will be redirected to the sign in screen.

4.2. User Flow for Sub-Admin Web Panel

➤ Sign In

- Sub-Admin will be able to sign to the web panel with the help of Email ID and Password.
- In case admin forgets the password they can recover it using their email ID.

➤ Dashboard

- Following details will appear on the dashboard:-
 - Total Employers over the Platform
 - Total Purchase Orders
 - Total Sales Orders
- **Sort**
- Sub-Admin will have option to sort the dashboard based on:-
 - Today
 - This Week
 - This Month
 - This Year

➤ Order Management

- **Purchase Order**
 - Sub-Admin can manage all the purchase orders from here.
 - Sub-Admin will have option to verify (Approve/Reject) the purchase Order.
 - Sub-Admin can send mail to the sellers by entering their email id from here.
 - Email response from Gmail/Outlook should appear here.
- **Sale Order**
 - Sub-Admin can manage all the Sale orders from here.
 - Sub-Admin will have option to verify (Approve/Reject) the sale Order.

- Sub-Admin can send mail to the buyers by entering their email id from here.
- Email response from Gmail/Outlook should appear here.

➤ **Change Password**

- Sub-Admin will be able to change their password.

➤ **Push Notification Management**

- Sub-Admin will be able to manage the push notification from the backend.
- Sub-Admin will be able to send the notifications to the Employee.

➤ **Logout**

- Sub-Admin will be able to logout from the web app, after logout admin will be redirected to the login page.



4.3. 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:

➤ Sign In

- Admin will be able to sign to the web panel with the help of Email ID and Password.
- In case admin forgets the password they can recover it using their email ID.

➤ Dashboard

- Following details will appear on the dashboard:-
 - Total Employers over the Platform
 - Total Purchase Orders
 - Total Sales Orders
- **Sort**
- Admin will have option to sort the dashboard based on:-
 - Today
 - This Week
 - This Month
 - This Year

➤ Users Management

- Admin will be able to search the Users profile from the backend.
- Admin will be able to see a list of Users in Grid/Tabular format.
- Admin will be able to see the detailed view of the employee.
- Admin will be able to Edit/Delete the employee profile.
- Admin will be able to activate/deactivate the account of the Users from the backend.
- Admin will be able to create employee account from backend.
- To create account following details will be required:

- Name
- Email ID
- Mobile Number
- Department
- Create and Send Credentials
 - On click of create, login credentials will be sent to the employee's email ID, with the help of which they can access the mobile application.

➤ **Order Management**

• **Purchase Order**

- Admin can manage all the purchase orders from here.
- Admin will have option to verify (Approve/Reject) the purchase Order.
- Admin can send mail to the sellers by entering their email id from here.

• **Sale Order**

- Admin can manage all the Sale orders from here.
- Admin will have option to verify (Approve/Reject) the sale Order.
- Admin can send mail to the buyers by entering their email id from here.

➤ **Item Management**

- Admin will be able to manage all the items from the backend.
- They can add/edit/remove the items from here.
 - At the time of item addition, admin will be required to enter the following details:
 - Item Name
 - Category(will be set from database at once for now)
 - SQU
 - Image
 - MRP

- Buying Price
- All the items which are added from here will only be visible to the employee while they create any sale or purchase order.

➤ **Sub Admin Management**

- Admin will be able to manage the sub-admin account from here.
- They can add/edit/remove the sub-admin accounts
- While adding a sub-admin account, admin will be asked to enter the following details:
 - Name
 - Email ID
 - Department
 - Select Access for modules
 - Create and send Credentials (button)
 - On click login credentials will be sent to the sub-admin email ID, with the help of which they can access the admin portal with limited access.

➤ **Content Management**

- Admin will be able to generate and manage the Content from the backend.
- Admin will be able to manage the static content from the panel.

➤ **Change Password**

- Admin will be able to change their password.

➤ **Push Notification Management**

- Admin will be able to manage the push notification from the backend.
- Admin will be able to send the notifications to the Employee.

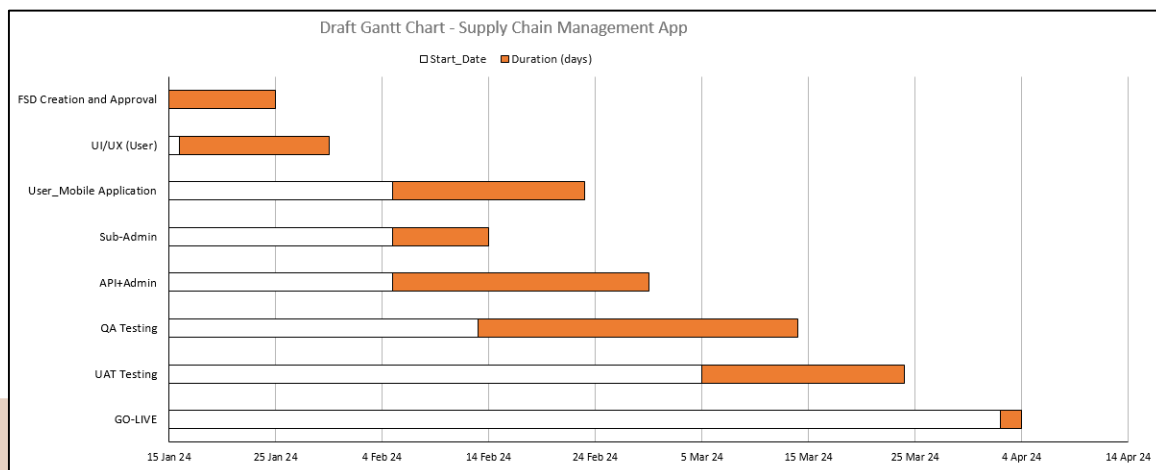
➤ **Logout**

- Admin will be able to logout from the web app, after logout admin will be redirected to the login page.

Note: All the third-party API's that are required in the development would be provided by the client.

5. Draft Delivery Timeline and Gantt chart

Planned Project Start Date	Scheduled Project Completion Date
Project Duration*	65
15-Jan-2024	03-Apr-2024



*Project Duration would be met with a condition that the client responses are received on time.

6. Project Management

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

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

7. Proposed Team of Project

The proposed team to achieve the deliverables in a time span of 13 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: Prashant

Signature:

For: WebMobril Inc.

Signature:
