Technical Document – Annexure I
of
Task Management Application

Contents

Annexure I

1. Project Overview

✓ **Business Need**

The client's purpose in the development of the Task Management mobile app is to enhance efficiency, productivity, and collaboration within construction projects for her company. Users will be able to add comments and input to the checklist or tasks, and real-time updates will be captured in the tasks.

✓ **How the platform would help in achieving the business need**

The platform will assist user to providing real-time updates and facilitating collaboration among team members in construction projects. Its accessibility via mobile and web apps ensures seamless coordination, promoting efficiency and productivity.

✓ **Stakeholders**

Actor	Task
End Users	Users will login with their provided email credentials and view and update the task status in the checklist sheets.
Admin	Admin will manage the web and mobile application from their admin panels.

✓ **Project Scope and Development Deliverables**

This project scope comprises of the following components to deliver:

- Design and Development of Mobile application for end users (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
	Mobile Application	React Native / Flutter
	Backend	Node.js / PHP (Laravel)
	Database	MongoDB / MySql
	Browser	Google Chrome, Safari, Mozilla Firefox
Quality Assurance & Testing	Test Cases	MS Office Excel 2019
	Testing	Manual

3. UFD (User Flow Diagram)
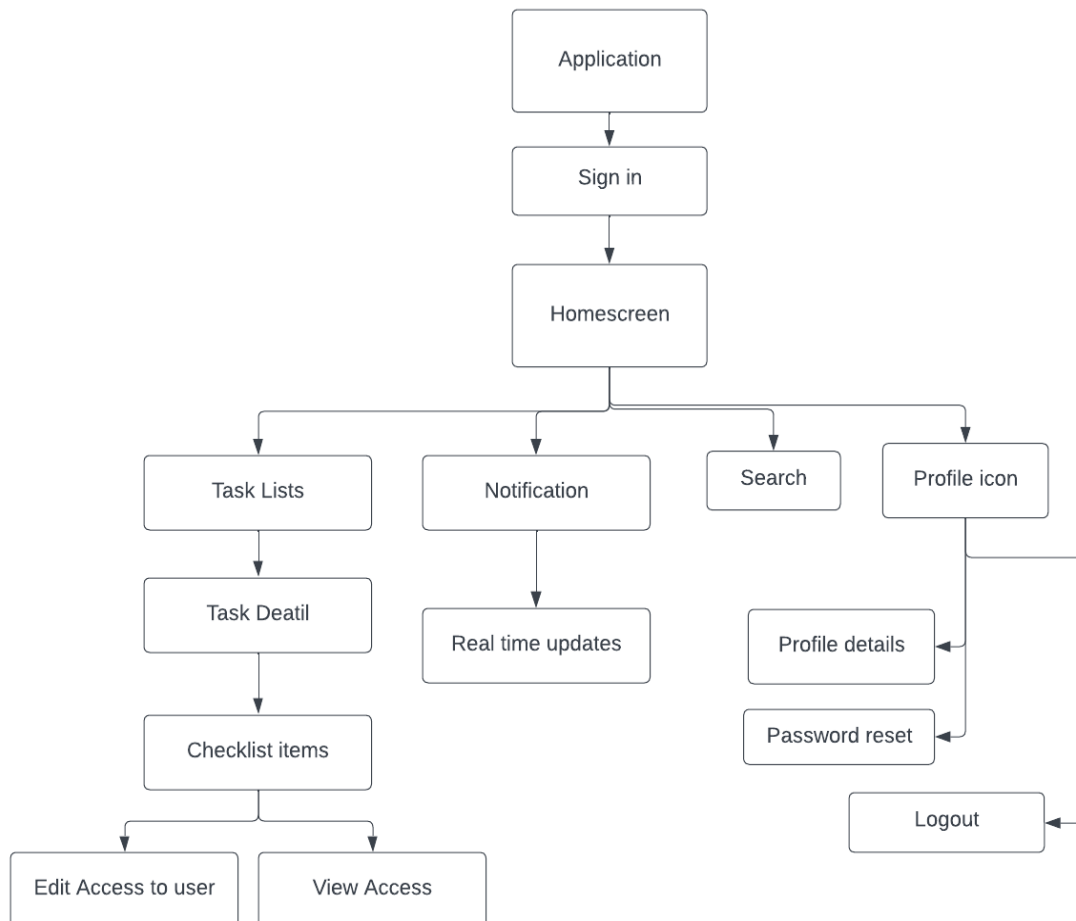
4. Features and Scope of Work

4.1. User flow for Mobile

➢ **Login**

- The User will be able to Login on the platform using their login credentials that they have created by the admin and shared to them. The User can use the following credentials such as the:
  - o **Email id**
  - o **Password**

➢ **Forget Password**

- If user forget the password then simply user clicking on forgot password link and where user has to fill the email id.
- After entering the email id user will get an OTP on the email that user has to fill into the OTP field.
- After filling the OTP user redirect to create new password screen where user can recreate the password.

➢ **Home Screen**

- User will be able to see a summary of their tasks, including the number of tasks pending, in progress, or completed.
- Users have quick access buttons or links to navigate directly to their task list or checklist screens.
- Users can view their profile information, including their name, role, and contact details, ensuring accurate identification and personalization within the app.
- User will be able to view a sidebar or hamburger menu that will provides easy access to other app functionalities
- Hamburger Menu
  - o My Profile
  - o Notification settings
  - o Change Password
  - o Contact Us

- o Delete Account
- o Logout

➢ **Notification**

- The notification allow user to view important alerts, updates, or messages.
- All users will get the alerts when there will be any kind of activity related to the task. Such as –
  - o When user done or completed the task
  - o When user add the comment.
  - o When admin change the task stage
  - o When admin add any new task
  - o When user update the task and checklists.

➢ **Search**

- User will be able to search any particular task or job by using its name through search bar.

➢ **Task List**

- The task list section presents users with a comprehensive overview of all tasks.
- Every task listed in the task list section includes essential details such as the
  - o Task title
  - o Date (Task added date)
  - o Deadline (Task Deadline date)
  - o Stage/Level
  - o Current status. (Ongoing/completed)
- Stage and status indicators provide users with visual cues to track the progress of their tasks at a glance.
- Every task listed in the task list section is clickable, allowing users to access detailed task information and page.

➢ **Task detail Page**

- The task detail page within the application provides users with comprehensive information specific to an individual task.
  - o Name and title of the task

   o Description

   o Stage

   o Client details

   o Location

   o Task checklists

- Job name

- Job details

- Job comments

- Status (open/closed)

➢ **Checklist Section**

- All the users will be able to access and view checklists of each task but only accessed users will be able to edit and add their comments on the task sheet.

- Accessed users will be able to mark them to be completed from their mobile phones.

- Users can simply tap on checklist items to indicate that the corresponding task requirements have been fulfilled or completed.

- Accessed Users will be able to add the comments on the each task.

- As users mark checklist items as completed or add comment, the app provides real-time updates to reflect the changes in the checklist status.

➢ **My account**

- **Profile**

   o User will be able to add and update their profile details such as-

- Name

- image

- Designation

- Location

- Address

- **Password**

   o Users will be able to change their password from this section.

- **Notification**

   o Users will be able to manage the notification settings via this section.

- **Logout**
    - Users will be able to log out of the App.

4.2. Administrator Panel for Application

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:

➢ **Admin Login**

- Admin will be able to login using their unique email address and password.

➢ **User Management**

- Admin will create the users account form the admin panel.

- Admin will assign a role to every user with **View and Edit** Access.

- There will be different role such as- Supervisors, Managers and staff.

- After creating the users account they can share them the credentials to their mail ids.

- The admin accesses the user management section to manage user accounts, roles, and permissions.

- User will be able to deactivate the user's accounts.

➢ **Task Management**

- The admin manages tasks by creating, editing, the tasks to users based on project requirements.

- Functions include adding new tasks, updating task details (e.g., title, description, and deadline), and tracking task progress.

➢ **Checklist Management:**

- The admin oversees the creation and management of checklists associated with tasks.

- Functions include creating checklist for different construction stages, editing checklist items, assigning checklists to tasks, and monitoring checklist completion status.

➢ **Notification Settings**

- The admin configures notification settings for the application, determining which types of notifications are sent to users and under what conditions.

- Functions include enabling/disabling notifications for task updates, checklist completions, new task assignments, etc.

➢ **Listing Management**

- Admin will be able to add the list fields from this section.

- Such as – adding field option in checklist fields and task details fields.

- The section serves the purpose of organizing and maintaining a structured listings associated with the tasks.

➢ **Change Password**
  o Admin will be able to change the password by this section.

➢ **Logout**
  o The section allow the admin to logout form the system.

NOTE- Client must provide all the 3ʳᵈ Party plugins or APIs required for the development of the website.

5. 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. **Saba** assigned to business manager GBM *GBM: Global Business Manager*	5. Project Evaluation by technical teams 6. Introduction call 1 on 1 interaction with **Saba** 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 **Saba** 14. Milestones discussed 15. Project success discussed 16. Future growth alignment 17. Detailed proposal provided 18. Payment instructions	19. Invoice submitted to **Saba** 20. Payment received 21. Payment confirmation sent to **Saba** 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 Saba	6. Design, Development / technical teams assigned 7. Project start 8. **Saba** 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

6. Proposed Team of Project

The proposed team to achieve the deliverables in a time span of 14 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: Saba   **For: WebMobril Inc.**

Signature: Signature:

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