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Abstract

This Document captures High-Level- Requirements, Efforts Involved and Costing

Android APP PropoSAL

Marvel Marble

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# High Level Requirements

## Site Management

### Adding a new site

* + Privileged (E.g. MD) user shall be able to add new sites to Database.
  + Privileged user shall be able to edit active site details.

### Allocating Resources to site

* + Privileged user shall be able to add, delete or edit labour and material for each active site.

### Money Allocation & Payments

* + Privileged user shall be able to allocate money to employees for expenses and payments.
  + Privileged user shall be able to track balance & payments made by all employees.
  + Regular Employees shall be able to add expenses (Material, Personal etc...).
  + Regular Employees shall be able to make payments to labours.

### Site Status Management

* + Site state shall be maintained
  + Privileged/Authorised user shall be able to change Site Status.
    - Possible states of site are Active /Hold / Complete

## Inventory Management

### 2.1 Add/Edit/Delete Material

* + Privileged user shall be able to add, edit or delete materials to inventory.

### 2.2 Synchronize inventory with Site Allocations

* + Allocations of materials to sites by any user shall be updated in inventory.
  + Inventory shall be in sync with site allocations.

## Labour Management

### Add/Edit/Delete Labour

* + Authorized user shall be able to add, edit or delete labour to organization

### Attendance Management

* Application shall provide an interface to key-in attendance of labour
* All authorized users shall be able to key-in attendance of labour

### Labour Dues & Payments

* Application shall track dues & payments of all labours.
* Dues shall be calculated by considering attendance & rate of labour.

### Remarks/Reviews

* All authorized users shall be able to add remarks for each labour.

## Employee Management

### Add/Edit/Delete Employee

* Privileged users shall be add, edit or delete Employees details.

### Permission Management

* Privileged user will have access to all the features of application.
* Privileged user shall define permissions for other users
  + Access to application features is limited by permissions.

### Tracking Balance & Payments.

* Privileged user shall be able to track balance with employee and payments made by each employee.

## Report Generation

### Site Reports

* Current Report
  + Privileged / Authorized user shall be to generate Current report, it shall contain below details
    - Expenses (Labour & Material)
    - Payment Dues
    - Effort (Total number of labour hours/weeks/days)
* Closure Report
  + - * Privileged /Authorized user shall be able generate site closure report.

### Labour Reports

* + Over-all Labour Reports
    - * Privileged user shall be able to generate over all labour reports, it shall contain
        + Total number of active/inactive labours
        + Labour allocations to site
        + Payment Dues for all labours.
  + Individual Labour report
    - Privileged /Authorized user shall be able to generate individual labour report, it shall contain below details
      * Details of Site where he/she involved.
      * Details of payments & dues
      * Review/Comments Summary

### Inventory Reports

* Privileged user shall be able to generate inventory report, it shall contain below details
  + Material allocations to Sites
  + Material available in Inventory

## Data Population

* + Populating current labour & employee details in database
  + Populating Material details in Database

# App Development Details

## Main Components

* + - Android Application Development
    - Database setup on Cloud
    - Integrating Database on Cloud with Android Application

## Resources

* + - Two developers shall work full time
    - Two/Three Android Mobile Devices shall be used for development & Testing

## Deliverables & Timelines

### 3.1 Deliverables

* + - At Closure
      * Android Application
        + With Full Sources & Documentation
      * Cloud DB Setup
    - During Development
      * Incremental application delivery for every two weeks
        + To get review & feedback.
    - Post Closure
      * We shall support on-demand support for 3 months.
        + To fix issues in delivered application

### 3.2 Timelines

* + - We shall require 6 to 8 weeks of time from start date for development & deployment.

## Cost of Development, Deployment & Support

We anticipate 6 to 8 weeks of development and we are committed to provide on demand support for 3 months post deployment. Costing is arrived by considering 6 weeks of development, we shall not charge excess efforts and support.

|  |  |  |  |
| --- | --- | --- | --- |
| Resources | Weeks | Total Man Hours | Cost Per Hour |
| 2 | 6 | (2\*6\*40) 480 | 400 |
| Total Cost | | | 1,92,000 |