Project Proposal for

MBCC Web Portal

Solution for Infrastructure Development Company

Proposed by-

Innsire

Welcome To
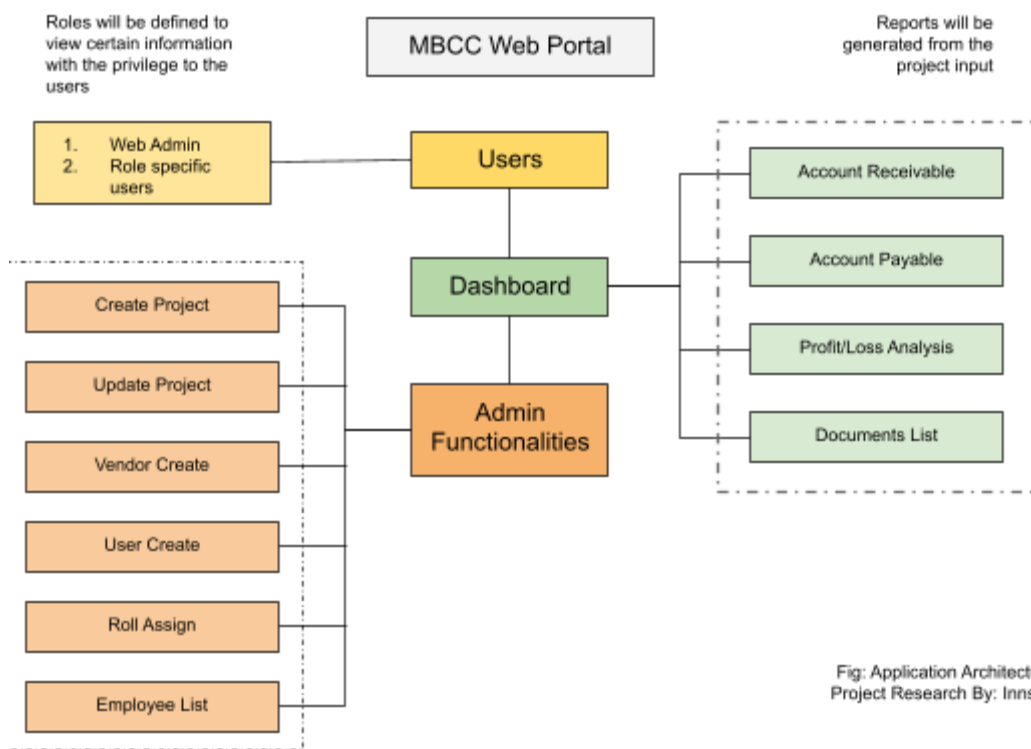Solution Overview and Requirements

This document contains the description and application development planning in detail for MBCC Web Portal as Web Application architecture as requirements are arranged.

Time Estimation and Price quotation is made upon the current requirements. They may vary if any changes are made to the requirements.

Application Definition

This Application aims to track records of the project which may be both completed or in progress. Track records well include project details, pieces of orders which will be listed while doing the project and accounting information. In addition there will be document archive feature as well for the project history keeping.
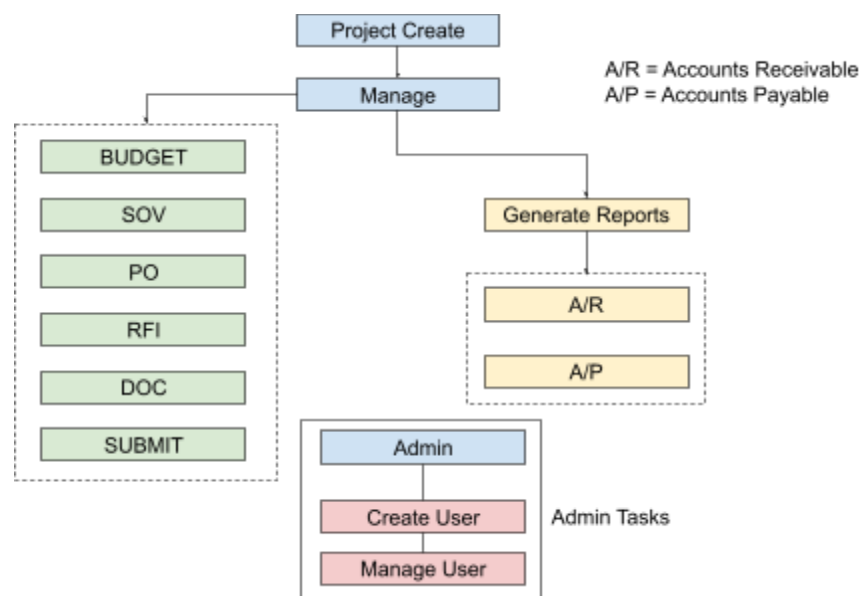
Following is the Application architecture.

Fig: Application Architecture
Project Research By: Innsire

Overall Project will be divided into 3 Major Sections to scale the features. Sections will be Users, Dashboard and Admin Functionalities.

Application Modules:

1. Project Management
   a. A Project Create Feature
   b. Mange
      i. Budget Add and editing option
      ii. SOV add and editing option
      iii. PO endry with relevant data entry
      iv. RFI (Request for information) create for projects
      v. Invoice and other related document upload method
      vi. Submission
2. Account Receivable
   a. Create receivable for a project
   b. Open a request for a project
3. Account Payable
   a. Create Inventory for a project
   b. Open an inventory for a project
4. Payroll
   a. Payroll create option
5. Reports
   a. Project Reports with selected data
   b. Company reports with selected data
6. Administration
   a. Full Application administration
   b. User Adminstration
      i. Create User
      ii. Manage User

Project informations will be connected through their Cost code. Under project management a manager will be able to input informations regarding the budget, line items, purchase orders, RFI and any documents.

Billing informations will be stored by requisition amount submission. It will be calculated and represented in tabular form in the application.

For reports, Accounts receivable ,accounts payable, Profit Loss analysis reports will be generated from the given inputs.

Admin will be able to create and manage users.

Application Features and Functions:

- ➔ Users
  - ◆ Main User to administer the application functions
  - ◆ Users with certain functionalities to the application based on his role.
- ➔ Dashboard
  - ◆ Accounting reports
    - ● Accounts Receivable
    - ● Accounts Payable
    - ● Profit/Loss analysis
  - ◆ Document Listing (uploaded for project orders)
- ➔ Admin Functionalities
  - ◆ Project Create
    - ● Project Update (with further information after creation)
      - ○ Input Subprojects (assuming orders)
      - ○ Input Bill
      - ○ Upload doc (if have any)
      - ○ Input cost
      - ○ Input project status
      - ○ Input Paid
      - ○ Input Received
      - ○ Input To Be Paid
      - ○ Input To be Completed
  - ◆ Vendor Create
  - ◆ User Create
    - ● Create with Roles
  - ◆ Roll Assign
  - ◆ Employee List

These are all the requirements that have been arranged as discussed for the Application.

Tech Stack For the Application

Technical Approach for this application will be to reserve the scalability of this project in any requirements.
Server will be from Digital Ocean
Domain will be from NameCheap
For Web application development Django for python will be selected
For Database Postgresql will be selected to manage data more faster

For source code and documentation will be hosted undure github repository.

Timeline For the Application

Project will be released in phases. Phases will be divided into 4 major functional releases.

Phase	Functionalities	Time (Requirement)
00.	Server Setup and Domain Config	1 Week
01.	Ui Development	2 Weeks
02.	User Functionalities And Roles	2 Weeks
03.	Project Functionalities and Input management	2 Weeks
04.	Dashboard Reports and Document Archive	2 Weeks

After Every Phase Completion, Progress will be demonstrated.