Construction Project Management System

Nov 16, 2019

**─**

One Autumn Leaf

AIUB,Vatara Dhaka-1229

01778578380

# Client

Raihan Uddin Ahmed

Faculty Member, AIUB

# Service Provider

ONE AUTUMN LEAF

# Project Overview

The project involves creating a web based solution that will work online and offline to manage different construction projects the company undertakes. The software will manage resources, keep track of materials and costs related to projects. It will also have accounting module to manage company's assets, expenses and earnings. A module for tender management will also be included. The software will also provide facilities for handling purchases, keeping information about all ongoing projects at different sites readily available. Reports generation will also be available in the software.

# Justification

The client handles numerous projects at different sites at different locations in the country. Currently, the client has to manage everything about these projects on paper. How much materials are being used on each projects, how much money is being spent, what percentage of a project is actually done are all very difficult to track on paper. Mistakes are made, payments for materials are often made before delivery. It is also very hard to keep track of each vendor's accounts. The purchase prices at different sites may be erroneous as well.

So a complete software system is required to remove all these issues with current mode of operation.

# Goals

1. Create a responsive web application where company users of different levels to manage construction projects at different sites.
2. Build a solution that will work online and offline in case net connection is not available at a site.
3. Provide very easy to use interface for users.
4. Build a software solution that will make managing project more efficient by reducing time and cost and by minimizing errors/mistakes.

# Constraints

The system has to work both online and offline.

The System has to be a responsive web application to be usable from both desktop and mobile devices.

Security must be in place to control user access based on levels.

# Assumptions

The client will provide web hosting/server and domain registration/static IP to deploy the application.

The client will do data entry once the software is delivered.

Client has to provide facilities for data backup.

The client will provide all needed information to develop the software.

# Project Duration

6 weeks

# Project Start Date

12 Nov 2019

# Modules and Milestones/Phases with cost

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Phases** | **Modules** | **Description** | **Duration** | **Cost (BDT)** |
| Phase 1 | Project Management | In this first phase, project management module will be constructed so that the client can start managing their project. Facilities will include - creating new project, assign materials to project, keep daily cost of the project and so on . | 1 weeks | 10,000 |
| Phase 2 | Login Interface | User login system develop in this phase and Database Connection also impliment in this phase | 1 weeks | 2000 |
| Phase 3 | Admin Interface | All Admin related activities finished in this scope. | 1 week | 8,000 |
| Phase 4 | Employee Interface | All Emplyoee related Activities finished in this phase | 1 weeks | 8,000 |
| Phase 5 | Reports | All sorts of reports will be implemented in this phase. | 1 weeks | 5,000 |
| Phase 6 |  | User acceptance testing and delivery | 1 weeks | 2,000 |
| Total | |  | 6 weeks | 35,000 |

# Deliverables

1. A user manual if applicable.

# Payment Plan

1. An advance payment of BDT 10,000 will be required to start the project.
2. The remaining money must be paid based on phases. Complete payment due for each phase must be paid within 10 days of the completion of the phase.

# Other Terms and Conditions

1. The Advance payment becomes non-refundable after two weeks of the project initiation.
2. After the final delivery of the product (completion of all phases), the client will have a window of one (1) month to report any issues that may have been caused by the application programming. These issues will be fixed for free.
3. After the end of one month of free support period after final product delivery, any and all works requested by client will incur charges on the client based on negotiated pricing.

# Agreement

|  |  |
| --- | --- |
| **On behalf of the product/service provider**  Islam Md. Hasibul (Leader,Developer)  Fahad Khandoker(Developer,Tester)  Ayon Nabil Arman(Designer)  Shahrukh Rahman (Designer)  One Autumn Leaf | **On behalf of the client seeking product/service**  Raihan Uddin Ahmed  Faculty Member, AIUB |