

**YOUR LOGO**

**Cost Analysis of Project- done**

**Software Group 3**

**CSE404: Software Engineering, Section 1**

**Department of Computer Science & Engineering, ULAB**

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1. **Introduction**

The document serves to inform the receiving party about the solution from a cost-analysis perspective. It shall also suggest the total cost that is tentatively to be required for the project during its development lifespan. Other details regarding the project is also discussed in this document.

* 1. **Purpose**

Freelancing has become a buzz amongst students and individuals who don’t mind working a few hours to earn a little alongside their studies/work. People of our country have to use an international platform if they ever require the help of a freelancer. Our solution, ‘done’, comes as a sign of relief for the people. Done provides user with the opportunity to find the perfect person for their work. ‘done’ serves as a bridge between talent and technology, hence providing the user with the best experience.

* 1. **Process**

The analysis has been done by enlisting all required hardware/software, human resource and hosting plans. The hardware/software and hosting plans have been chosen from a wide range of providers so that the optimum option can be selected for the project.

* 1. **Criteria for Evaluation**

Plans that go best with the scale of the project have been considered. An efficient option has been selected even if it costs more, so that the end product can operate smoothly and provide customers with a flawless experience. However, as we are just starting thus, we won’t be requiring the maximum storage plans. We have decided to go with more efficient plans considering cost and performance.

1. **Assumptions, Constraints, and Conditions**
   1. **Assumptions**

The project is to be submitted by 4 months, starting from February. Hence the project deadline is in May which draws the idea that a prototype is expected by the receiving party. Essential functionalities of the project are expected to be present in the prototype.

* 1. **Constraints**

The time frame for a prototype is too short for such a project, given the number of members that are working on it. The team working on the project consists of seven members who now have to work as utility players by contributing, with whatever they can, in each task.

* 1. **Recommended Solutions**

In order to completely build a project by following the conventional rules of analyzing the requisitions, planning, designing, implementing and testing, the time frame requires to be a bit more longer. In such a congested timeframe, the members of the team should have been more and must be specializing in different sectors so that the tasks could be divided from the beginning, knowing who has expertise in what.

1. **Alternatives**
   1. **Current System**

A few frameworks have been discussed and decided upon, by the team members. The frontend of the system will be done using the Angular framework, while ExpressJS will be used as the middleware. MongoDB has been thought of as the backend of the application.   
The team is following the AGILE SCRUM development method where each task is completed in sprints.

* 1. **Alternative System**

If at any situation during development, the team faces a major issue in connecting the three components together, then a quick change in plan shall lead to the team changing their choices for the middleware and backend.

1. **Cost Analysis**
   1. **Development Costs**

| DEVELOPMENT COSTS | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| ID NO. | PHASE | February | March | April | May | AMOUNT |
| 1.1 | Database Plan( MongoDB ) | Plan M5 (Shared RAM), 5GB Storage for 1 year | | | | 25,754.4 |
| 1.2 | Domain | Business Plan (HostGator) | | | | 6,027 |
| 1.3 | Commercial Software | Adobe Creative Cloud Subscription | | | | 3,360 |
| **TOTAL** | | | | | | 35,141 BDT |

* 1. **Recurring Costs**

| DESCRIPTION | Cost | Recurring | Non-Recurring |
| --- | --- | --- | --- |
| Front-End Developer Salary | 15,000 \* 2 | Yes |  |
| Database & Backend developer salary | 15,000 \* 2 | Yes |  |
| Project Manager | 20,000\* 4 | Yes |  |
| Office Space | 10,000 \* 4 | Yes |  |
| Broadband Connection | 7,500 \* 4 | Yes |  |
| Hubs and Routers | 11,700 |  | Yes |
| Supplies |  | 5,000 | Yes |
| Utilities |  | 5,000 | Yes |
|  |  |  |  |
|  |  |  |  |
| **TOTAL** | | **2,31,700 BDT** | |

* 1. **Project Cost Analysis**

| PROJECT COST ANALYSIS | |
| --- | --- |
|  | Amount |
| Development Cost | 35,141/- |
| Recurring Costs | 2,31,700/- |
| **TOTAL** | 2,66,841 BDT |