

***Report on  
ComArc B2C***

***Prepared for***

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## **Introduction**

An E-commerce platform needs a well-thought-out design and execution plan. Everything is needed to plan from the beginning to the finish of the project. Because the e-commerce industry has experienced exponential expansion, a new choice will readily become a part of this commercial website regatta. The e-commerce website will offer online purchasing for a variety of stylish items from a single location. The suggested online application would enable company personnel to conduct their whole business using it, allowing them to reach thousands of times more people through the internet than they already have. It will enable numerous online shopping businesses to sell their wares. In the system, product management will take the shape of categories. Information security is the most important necessity.

## **Reason For Selecting This Project**

Customers are accustomed to purchasing products in physical stores, such as factual shops or supermarkets. It requires customers to visit shops in person and walk around different shopping shelves, as well as shop owners to stock, exhibit, and transfer the products that customers require. Processing these operations necessitates labor, time, and space. Furthermore, the spread of the Covid-19 pandemic has resulted in a number of changes in our lifestyle, with people fearing to leave their homes, transportation nearly halted, and social isolation becoming increasingly important. Traditional businesses, both large and small, have suffered a great deal as a result of the lockdown issues. Some people prefer to sell their products on social media sites like Facebook marketplace.

ComArc B2C is an online shopping cross platform application that helps you cut costs and maximize profits. Authorized Customers do not need to go to physical stores to select and carry the products they require. They simply use their computers or cellphones to access stores and evaluate product descriptions and images on the screen before making a purchase. Furthermore, shop owners are not required to arrange or display their stock products. They only have to enter product descriptions and prices, as well as upload eye catching images. Simply put, during the entire shopping and management process, neither customers nor shop owners need to touch the real products. Finally, the logistic center will deliver the products that customers have requested or that shop owners have ordered to their locations.

## **Project Goals/Target**

The goal of the project is to keep track of all of the shop's member information. It also manages resources that were previously managed and handled by humans. The project's main goal is to bring the shop's various sections together in a consistent manner so that complex functions can be handled efficiently. The following issues are addressed by the project: Product manipulation automation. Product purchase automation. To keep track of a variety of items' information. Update all of the item's data on a regular basis. By providing an authorized email address and a password, you can manage security. Effectively manages data.

For customers, they will find various types of products at the same place. They do not need to chase different stores for items. It will save their precious time. They will find huge options of products among they can choose the right one.

## **Feasibility Analysis**

Whatever we believe does not have to be feasible. It's a good idea to consider the feasibility of any problem you're working on. The study of impact that occurs in an organization as a result of the development of a system is known as feasibility. It can have a positive or negative impact. The system is considered feasible when the positives nominate the negatives. Technical feasibility, Economical Feasibility and Operational Feasibility are three types of feasibility studies that will be done here.

### **A. Technical**

It is technically feasible because obtaining the necessary resources for system development and maintenance will not be difficult. All resources required for the development and maintenance of the software are available. It will be available for phones, tablets and computers.

### **B. Economical**

This application's development is extremely cost-effective. The organization did not need to spend a lot of money to develop the system that was already in place. The only thing left to do is create an environment conducive to development and effective supervision. If we do so, we will be able to maximize the usability of the corresponding resources. The organization need invest more in the organization even after it has grown. As a result, the system is economically viable.

### **C. Operational**

Operational feasibility is determined by whether or not users are aware of the interface environment and whether or not sufficient resources are available.

#### **I. CONTROL**

Because our system has an intuitive user interface, people with only a basic understanding of computers will be able to use it effectively and easily.

#### **II. Efficiency**

The director and employees of ComArc have a basic understanding of computer operations, so understanding and using the system should be simple for the decisionmaker.

#### **III. Services**

All of the necessary resources for implementing and running this system are already in place at the office.

With the above factor in mind, it was determined that the cost of developing this project from an operational standpoint would be low. As a result, it would be feasible for the company to implement.

## Cost Benefit Analysis

The first estimation in an application development project is the set of procedures and techniques that will be used to produce the results that the organization requires for development. The cost estimation is also influenced by a company's available resources. It will be a very difficult project. will complete the entire project by ourselves, despite the fact that it requires a team of 4 or more, to demonstrate knowledge gained in class, tech communities, and online materials. It will take three months to achieve the desired shape or basic structure. The environment variations are determined by the ecommerce cross platform application's additional requirements.

Assuming,

Present value, PV = 40k BDT

Time in years, t = 10

Interest rate, i = 8%

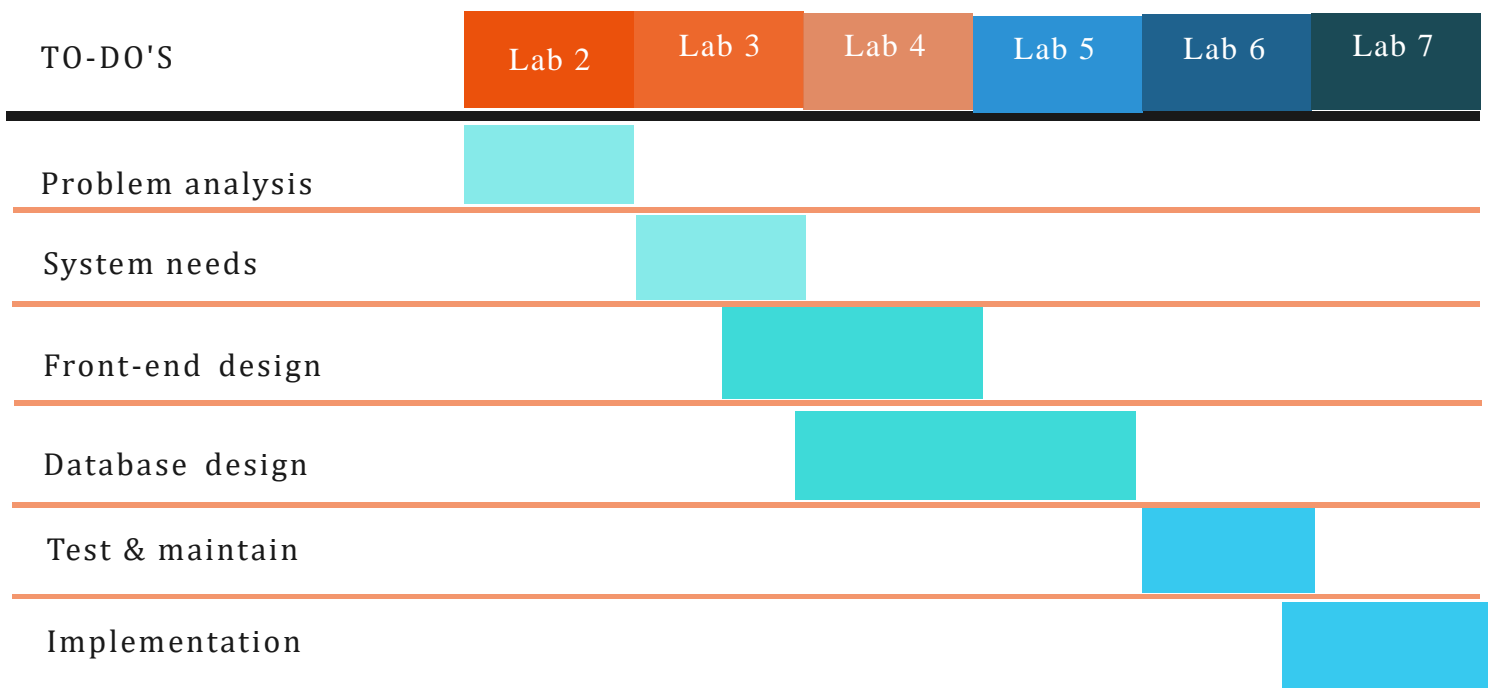
Future value,  $FV = PV \cdot (1+i)^n$

$$= 40000 \cdot (1+0.08)^{10}$$

$$= 86357 \text{ BDT}$$

## Project Scheduling

### Gantt Chart



**Risk analysis**

Ecommerce is one of the most promising information technology applications seen in recent years by businesses. Ecommerce addresses the needs of organizations, suppliers, and customers to cut costs while improving product and service quality and speeding up service delivery.

In today's highly competitive business environment, a high-quality Ecommerce system is required, but ecommerce development is fraught with dangers such as malicious code attacks, ambiguous legal jurisdiction, the lack of a firewall, and the failure to use cryptography.

A comprehensive list of potential risk factors for ecommerce development can be found.

**Conclusion:**

This project is merely a modest attempt to meet the needs of a shop. Several user-friendly coding systems will also be implemented. This package will prove to be a powerful tool in meeting the organization's requirements. The goal of software planning is to provide a framework that allows the project manager to make reasonable estimates within a limited time frame at the start of the project, and it should be updated on a regular basis as the project progresses.

This application will provide a computerized version of the shop manipulating system, which will benefit both the users and the shop's visitors. It takes the entire process online, allowing users to search for and purchase a variety of products. It also has a feature for common users to login into the system and see the status of ordered items, as well as request items or make suggestions. It has an admin login feature that allows administrators to add various items, review user activity, offer occasional discounts, and provide information about various events for customers.