



**NORTH SOUTH UNIVERSITY**  
**DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING**

**PROJECT PROPOSAL**

---

**” Computer Products Store”**

---

**DATABASE SYSTEM LAB CSE311L SECTION: 5**

**Group No: 13**

**SEMESTER: SUMMER 2024**

Student Name and ID:

1. MD. Ibrahim Siddik  
ID: 2211632042

2. S.M. Atiqur Islam  
ID:2132173642

Faculty:

MD. Ishan Arefin Hossain (IAH)

Lab Instructor: Shuvodip Biswas

Submission Date : 16/09/2024

## Introduction

Bangladesh is entering a new era of “Information Technology.” The demands for using devices and modern computers are growing as we enter this new era. Without a computer, it would not be possible to develop the progress of making Bangladesh up-to-date with the current world. There are many websites on the market where you can buy PC parts and components. Yet, none of these websites provide valuable descriptions and detailed specifications for the parts. This web application of ours will provide enhancements to that cause and also will ease the hassle that consumers face when buying computer components.

## Objectives

- Buying computer components.
- A detailed description of the products.
- User-friendly navigation.
- Internal-site searching.
- Remove/Add a product through the admin panel.
- Reviews/Ratings of products.

## Target Customers

- Customers – People who will use our service to buy computer components. They will also get information about the products.
- Administration – The shop admin will be able to maintain all the products in the database and update the information when necessary.

## Value Proposition

This website reduces the hassle and overall cost of buying computer parts. As all the processes are done on the web, it will significantly save human resources and extra effort required to maintain the store. The admin and customer will have seamless integration throughout the website to make buying and maintaining the web app easy.

## Features and Description

When entering the website, it will enter the customer view first. This view is for all people, regardless of whether they are web admins or customers. It will show the products available. An account needs to be created to differentiate from another customer. After creating an account, they can –

- Buy computer components.
- Read the parts description.
- Rate or give suggestions.
- Filter out products with category.

The web app administrator will have an admin login page to log in. In the admin panel-

- They can enter an item in the database.
- modify products database.
- Add/remove or edit the database.
- see product stock.
- See user's ratings and reviews.

## Tools and Resources

- HTML
- CSS
- JavaScript
- Bootstrap
- PHP
- MySQL
- Web Server

## Challenges

There will be many challenges while developing this web app. One of them will be the experience that customers will face. Because of limited time, the UI will probably not be optimized very much. Another one is cost. If the web app is available to the public, the web app server may likely crash because it is running on a pc as a local host. It is necessary to rent a web server if it is made public. Another challenge will be the data verification because not every product can be checked thoroughly. Misinformation may occur. It should be considered as a human error. Another noteworthy challenge will be implementing the payment gateway because of a lack of resources and time.