



AMERICAN INTERNATIONAL UNIVERSITY OF BANGLADESH

Course: Object Oriented Programing-2

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Section: F

PROJECT TITLE: COMPARTS (ONLINE COMPUTER SHOP)

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Objectives

In today's rapidly evolving technological landscape, computers have become indispensable tools for virtually every facet of business and work. The significance of computers extends far beyond mere convenience; they are the backbone of modern-day operations, playing a pivotal role in enhancing efficiency, productivity, and overall organizational effectiveness.

A well-designed computer management system can automate and streamline the tracking of stocks, minimizing the risk of stockouts or overstock situations, and ultimately contributing to cost savings and improved profitability.

Moreover, such a system can also serve as an invaluable tool for customers who are looking to explore and understand the diverse array of computer parts available in the market. By providing a user-friendly interface and comprehensive information about different components, their specifications, and prices, the management system becomes a one-stop resource for consumers.

Features

1. Introduction: The online computer shop (ComParts) will be a web-based platform that allows two types of users: Admin and Customer. The platform will provide a seamless shopping experience for customers and an efficient management system for the admin.

2. User Roles:

- **Admin:** The admin will have access to the dashboard, total sales, pending orders, stock, total products, add products, categories, order, and user sections. The admin will be responsible for managing the inventory, tracking sales, and handling customer orders.
- **Customer:** The customer will have the ability to browse products, add them to a shopping cart, and make purchases. They will also have the ability to track their orders and view their purchase history.

3. Features and Functionality:

- **Dashboard:** The dashboard will provide a quick overview of the total sales, pending orders, stock, and total products. It will serve as a central hub for the admin to monitor the business.
- **Total Sales:** This section will display the total revenue generated from the sales of products.
- **Pending Orders:** This section will list all the orders that are yet to be fulfilled. The admin can view the details of each order and update their status once they are processed.
- **Stock:** This section will display the current inventory of products. The admin can update the stock as new products arrive or existing products are sold.
- **Total Products:** This section will show the total number of different products available in the shop.
- **Add Products:** This feature will allow the admin to add new products to the shop. The admin can enter the product details, upload product images, and set the price.
- **Categories:** This section will allow the admin to manage the product categories. The admin can add, edit, or delete categories.
- **Order:** This section will list all the orders placed by customers. The admin can view the order details, update the order status, and manage shipping.
- **User:** This section will allow the admin to manage user accounts. The admin can add, edit, or delete user accounts.

User Story

Customer

Sign Up

This application has a sign-up page where the user has to provide required information to sign in.

In ComParts there will be two type user for sign up- Admin and Customer.

Both Admin and Customer has to provide personal information, user information, company details, account details.

If the user inputs wrong while entering phone number, email or password it will show an error message.

The user will need to enter a strong password to ensure security and the password must not match with username (password must contain a number, a capital letter, a small letter and a special character).

The user will need to enter a valid email or password to create account.

ComParts will provide complete design of Admin and Customer signup process.

All the information will be secured by ComParts authority.

Log In

ComParts will have a log in page where it will allow to log in via email and password.

Admin And Customer will log in to the system though log in process.

After successfully logged in, the profile section of the user will be shown.

In log in user need to verify his/ her email address.

All mandatory fields will be marked with a “*” sign so that the user could understand easily which one is needed or not.

If a user forgets his/ her password there will be a forgot password option and the system will send him/ her a password reset code.

After log in user will get access to the Home Page of their selected account.

Home Page

After successful login, users will land on the main page. This page usually showcases various products, offers, and announcements. It may have a search bar for users to find specific products.



Product Listing

Users can browse through different categories of computers and related accessories. Each product will have an image, name, brief description, and price. Users can click on a product to view more details.

Product Details

On this page, users can see detailed specifications, customer reviews, and ratings of the product. They can also see related products or accessories.

Shopping Cart

Users can add products to their shopping cart. In the cart, they can view the list of selected products, update quantities, or remove products.

Checkout Process

When users are ready to purchase, they can proceed to checkout. They will provide shipping address and choose a payment method. After successful payment, they will receive an order confirmation.

Dynamic Search

Dynamic search is a powerful feature that can greatly enhance the user experience on your online computer shop, ComParts. It allows users to get real-time results as they type in the search bar. For example, if a user starts typing "Monitor" in the search bar, the dynamic search feature will immediately start showing products related to monitors, updating the results with each letter typed. This makes the search process faster and more intuitive, as users can see and refine their search results in real-time. In addition, dynamic search can also include features like auto-complete and suggested searches, further aiding users in their search process. This can lead to a more engaging user experience, potentially increasing customer satisfaction and sales for your online shop.



Admin

Log In

After entering credentials, click on the 'Login' button. If the entered credentials are correct, you will be granted access to the admin dashboard. there is no create account option since there is only one admin.

Dashboard

This is the main control panel for the admin. It provides an overview of the website's performance, including sales, new orders, and customer statistics. It may also include charts or graphs for visual representation of data.

In dashboard there are four items

- Total Sells
- Pending Orders
- Stock
- Total Products

Total Sells

This section provides a comprehensive overview of all the sales made on your online computer shop. It includes the total revenue generated, the number of transactions completed, and other relevant sales data. This information can help you track your business performance and identify trends over time.

Pending Orders

Here, you can view all the orders that have been placed but not yet fulfilled. This could include orders that are being processed, packaged, or are in transit. Keeping an eye on this section helps ensure timely order fulfillment and improves customer satisfaction.



Stock

This part of the dashboard gives you an up-to-date report on the inventory of your online shop. It shows the quantity of each product available in your warehouse. Regularly monitoring this section can help prevent stock-outs and overstocking, both of which are crucial for maintaining a healthy business.

Total Products

This section displays the total number of different products available in your online shop. It can help you understand the diversity of your product offerings at a glance.

Add Product

This section allows the admin to add new products to the online shop. It typically includes fields for product name, description, price, category, and images. The admin can also manage inventory levels here.

Categories

This section is for managing product categories. The admin can add, edit, or delete categories, which helps in organizing the products and making it easier for customers to find what they're looking for.

1. **Mouse:** Navigate with precision and ease with our wide range of mice. Whether you're looking for something basic for everyday use, or a high-end gaming mouse with customizable buttons and RGB lighting, we've got you covered.
2. **Keyboard:** From membrane to mechanical, wired to wireless, compact to full-sized, our keyboard selection is designed to meet the needs of every user. Experience comfort, durability, and efficiency like never before.
3. **CPU:** The heart of your computer lies in its CPU. Our collection includes a variety of processors from leading manufacturers, suitable for everything from basic computing tasks to intensive gaming and professional workloads.

- 4.
5. **RAM:** Speed up your system with our selection of RAM modules. Offering a range of sizes and speeds, our memory solutions can help your computer run multiple applications smoothly and improve overall performance.
6. **Monitor:** Immerse yourself in stunning visuals with our assortment of monitors. Whether you're gaming, streaming, or working, our monitors, available in various sizes and resolutions, deliver exceptional picture quality and performance.

User

This section is for managing user accounts. The admin can view user information, manage user roles (e.g., regular user, admin), and handle issues like password resets or account suspension.

Forms





Welcome To ComParts



User Login

Or

Admin Login



Welcome to ComParts



Password

☐ Show Password

Login

Don't have account?

Create Account



Get Started



☐ Show Password

Create Account

ComParts



Log Out

Accessories

Components

Monitor

Welcome Mr. pop



Form26

←

ComParts

Log Out

ome Mr. Name

/ Accessories / Monitor

Availability

☐ Available

☐ Out of Stock

☐ All

Price Range

0 - 0

Form25

←

ComParts

Log Out

ome Mr. Name

/ Accessories / RAM

Availability

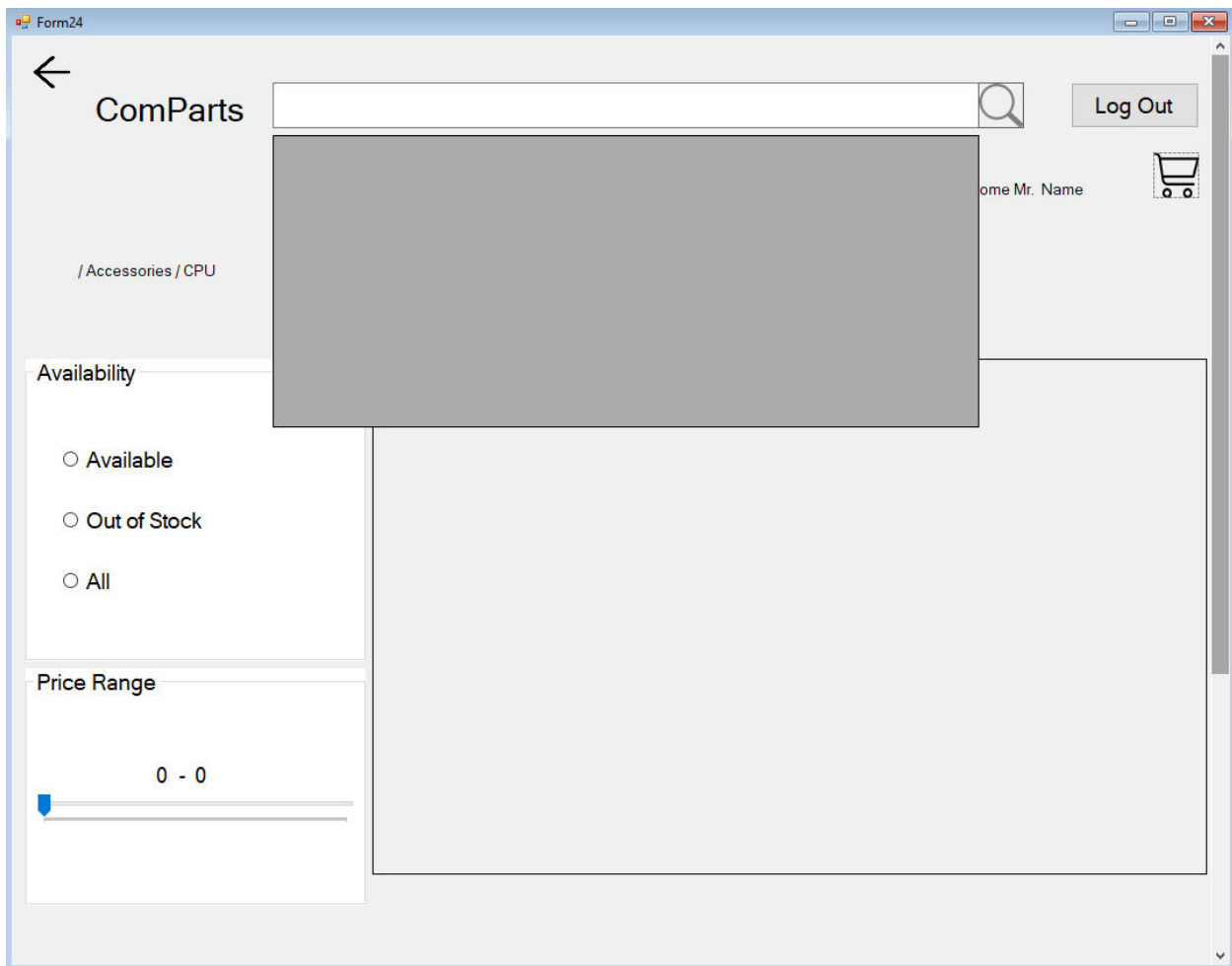
☐ Available

☐ Out of Stock

☐ All

Price Range

0 - 0



Form10


←

ComParts

Q

Log Out

ome Mr. Name



/ Accessories / Keyboard

Availability


☐ Available

☐ Out of Stock

☐ All

Price Range

0 - 0



Form2

←

ComParts

Log Out

ome Mr. Name

/ Accessories / Mouse

Availability

☐ Available

☐ Out of Stock

☐ All

Price Range

0 - 0



Customer Information

Contact Number*

Address*

Shopping Cart

	Delete	ProductID	ProductNam	Price	Quantity	TotalPrice
*						


Grand Total: 0


Payment Method


- ☐ Cash On Delivery
- ☐ Online Payment
- ☐ Others


Buy Now


ComParts

 Menu

 Dashboard

 Add Product

 Categories

 User



Total Sells

Pending Orders

Stock

Total Products

UserControls

Name:

Price:

Quantity:

Type

- ☐ Mouse
- ☐ Keyboard
- ☐ Monitor
- ☐ CPU
- ☐ RAM

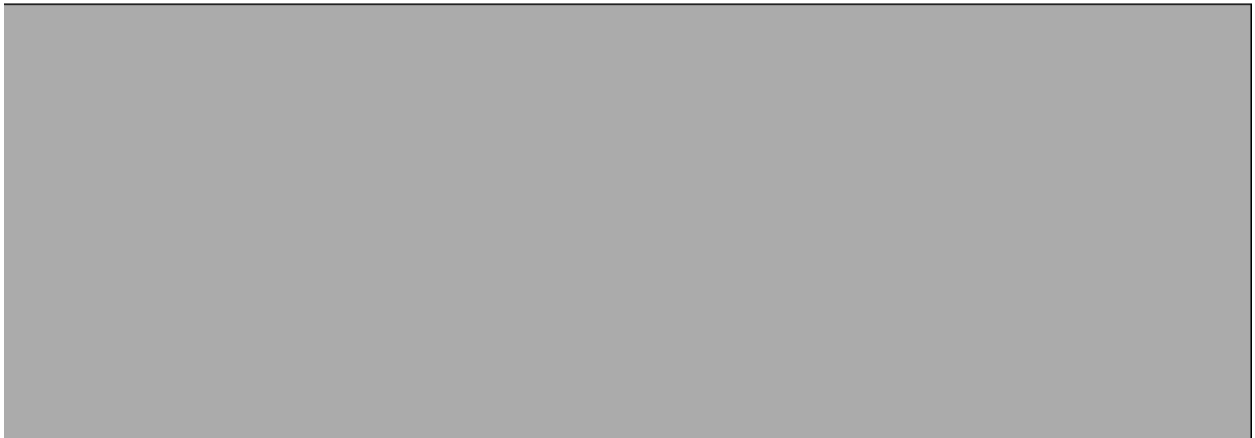
Select Image



Browse

Specification:

Add Product



Name:

Price:

Quantity:

Specification:

Select Image



Browse

UPDATE

DELETE



Name:

Price:

Quantity:

Specification:

Select Image



Browse

UPDATE

DELETE



Name:

Price:

Quantity:

Specification:

Select Image



Browse

UPDATE

DELETE




Name:

Price:

Quantity:

Specification:

Select Image



Browse

UPDATE

DELETE



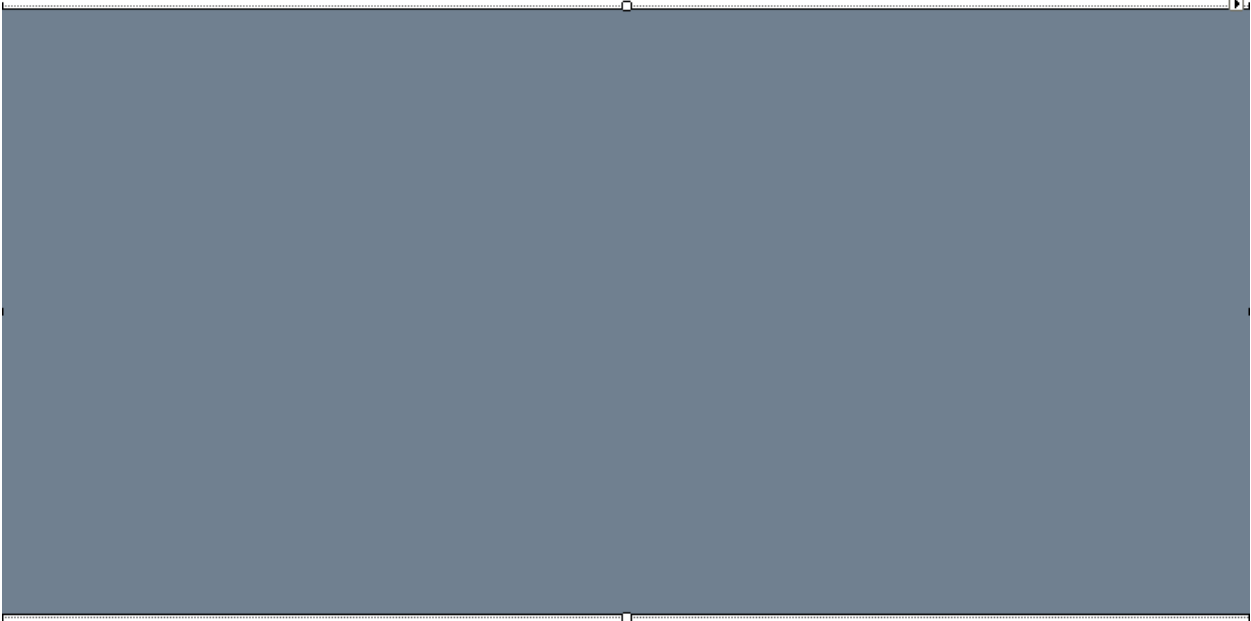
Total Sells

Pending Orders

Stock

Total Products

Total Sells

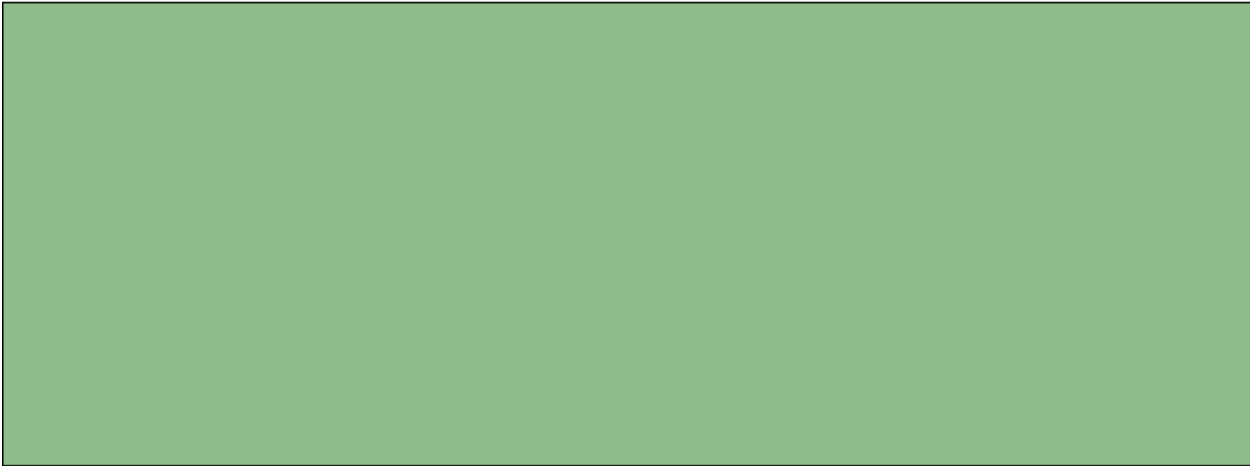


Total Sold Amount: BDT 0

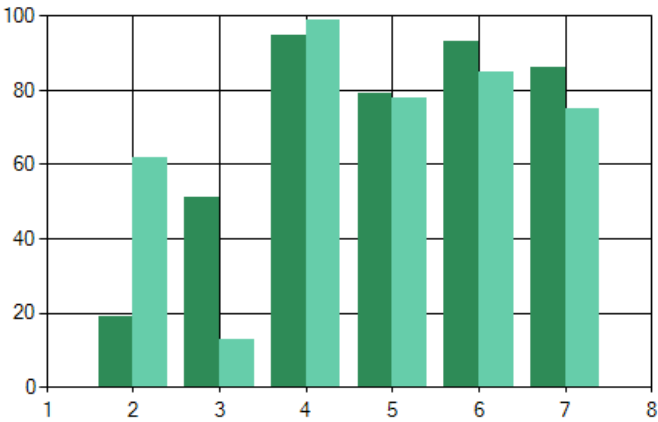
Pending Orders

	Deliver
*	

Stock

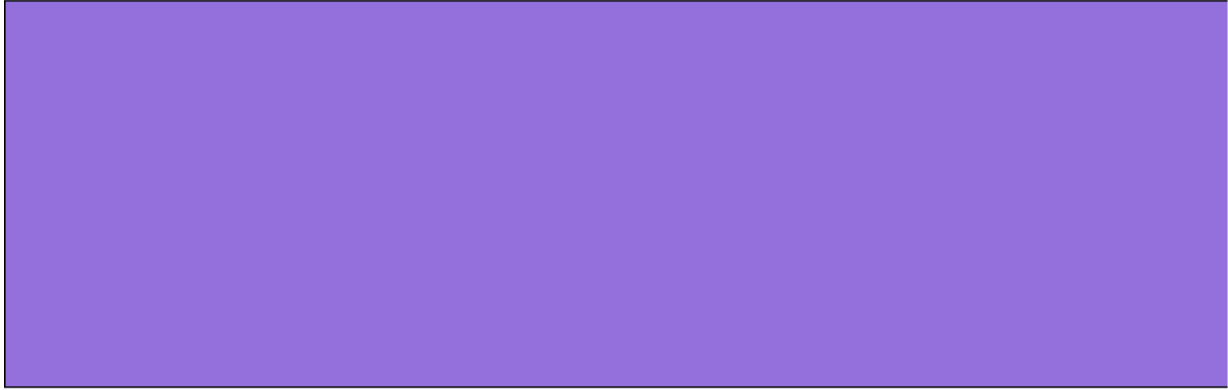


Show
Chart



Total Products

Mouse:

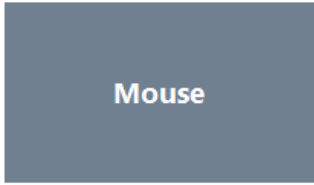


Keyboard:

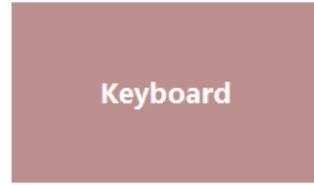


Users

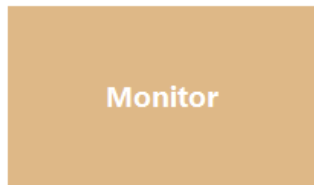
	Delete	
*		



Mouse



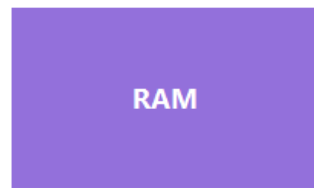
Keyboard



Monitor



CPU



RAM

Name:

Price:

Quantity:

Specification:

Select Image



Browse

UPDATE

DELETE

