

Web Technologies

CSC210S3

Assignment

The “**E-Store**” is a products sales company, currently uses a manual procedure to deal with its management process. The following entities are belonging to this management system. The use cases for each entity are listed below:

- Admin:
 - Create and maintain account for their employees
 - Create and maintain products
 - Employee:
 - Check the order details
 - Customer:
 - Register themselves into the system
 - Place orders and select the specific employee for delivering the product.
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- ❖ The system will have only one admin user who can control the system. The E-Store admin can create and manage accounts for employees by using the interface shown/given in Figure 8. The following fields are the mandatory fields for each employee.
 - EmployeeId: (autogenerate)
 - email
 - gender: ['m','f']
 - address
 - mobile
 - password
 - ❖ In addition to that, admin can manage products (create, view, edit, delete). The following fields are mandatory fields for each product.
 - productId: (autogenerate)
 - name
 - detail
 - price
 - ❖ The customer of the E-Store system can register by using the interface in Figure 2. The following fields are the mandatory fields for each customer.
 - CustomerId: (autogenerate)
 - email
 - gender: ['m','f']
 - address
 - mobile
 - password

- ❖ The password should be of minimum length of eight alpha-numeric characters having at least one lowercase letter, an uppercase letter, special character, and a digit.
- ❖ All users need to login to the system by using their email and password (See Figure 1). Login should be validated for authentication.
- ❖ The customer can place order via the interface in Figure (13, 14). Here, customer can select the delivery person from the employees. Order_Id is auto generated by the system.
- ❖ Once the order placed by the customer it will be notified to the appropriate employee dashboards' 'my order' tab (Figure 16).

You are required to develop the E-Store Management System (ESMS) by completing the following tasks.

1. Identify the entities of the **ESMS** and design the database.
2. Create the database **esms.sql** and the relevant tables using MySQL
3. Design the user interfaces as shown in Figure 1 to 15 using **HTML, CSS**. Etc.
4. Connect the attributes in the interface and the respective fields in the database using proper scripting language.
5. Each of the fields of the interfaces must be validated and authenticated.
6. Prepare a **ReadMe.txt** file with the instructions to run your project.

Hint:

- You can use 'role' column in users table to authenticate three different type of users('admin', 'employee', 'customer')
- There is no registration interface for the admin as admin is a single user.
So you can directly insert the data into database.



The login form is titled "E-Store" in a blue header. It contains two input fields: "Email:" and "Password:". Below these fields is a blue "Login" button. At the bottom of the form is a separate box containing a blue "Register Now!" button.

E-Store

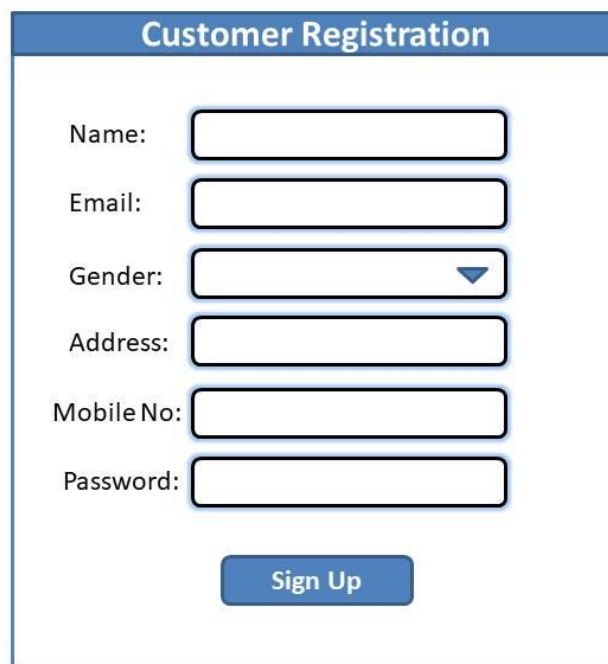
Email:

Password:

Login

Register Now!

Figure 1: Login for E-Store System (index page)



The registration form is titled "Customer Registration" in a blue header. It contains six input fields: "Name:", "Email:", "Gender:" (a dropdown menu), "Address:", "Mobile No:", and "Password:". Below these fields is a blue "Sign Up" button.

Customer Registration

Name:

Email:

Gender:

Address:

Mobile No:

Password:

Sign Up

Figure 2: Registration Page for Customer

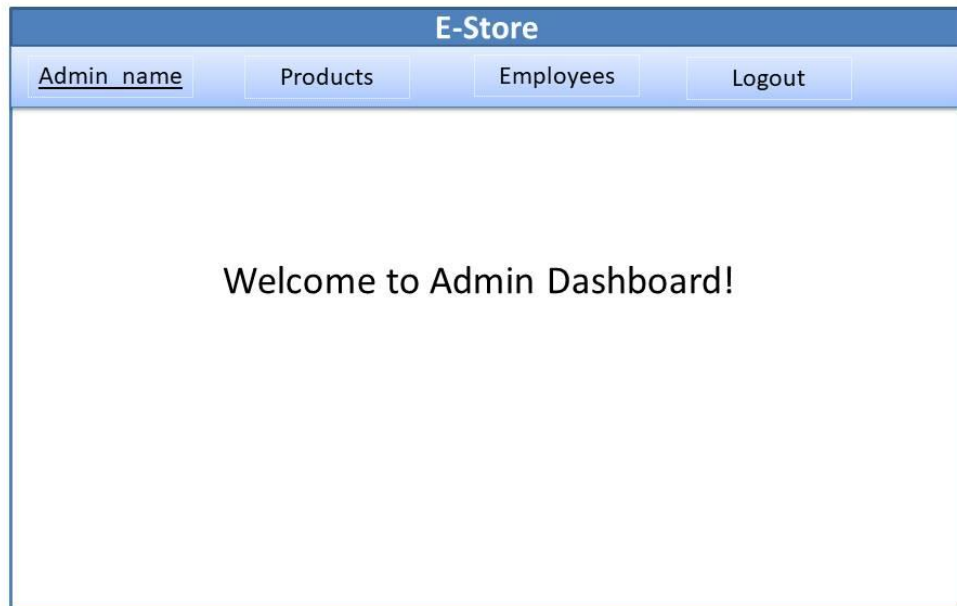


Figure 3: dashboard Page for Admin

The screenshot shows the 'E-Store' Admin Dashboard with the 'Products' tab selected. At the top, there is a blue header bar with the text 'E-Store'. Below the header, there is a navigation bar with four tabs: 'Admin_name', 'Products', 'Employees', and 'Logout'. The 'Products' tab is currently selected. Below the navigation bar, there is a green button labeled 'Create New Product'. Below the button, there is a table with the following data:

No	Name	Detail	Price	Actions
1	Bag	School Bag	2000.00	Show Edit Delete
2	Cycle	Sports Cycle	15000.00	Show Edit Delete
3	...	...	..	Show Edit Delete
4	...	...	..
5				
6				

Figure 4: Products Management tab of Admin

E-Store

Admin_name

Products

Employees

Logout

Add a new Product

Name:

Detail:

Price:

Add

Figure 5: Adding new product page

E-Store

Admin_name

Products

Employees

Logout

Edit a Product

Name:

Bag

Detail:

School Bag

Price:

2000.00

Update

Figure 6: Product editing page

E-Store

Admin_name

Products

Employees

Logout

Product Details

Name: Bag

Detail: School Bag

Price: 12000.00

Figure 7: Product details page

E-Store

Admin_name

Products

Employees

Logout

Enroll new Employee

No	Name	Email	Mobile	Actions
1	John	johnabc@gmail.com	0123456789	<div>ShowEditDelete</div>
2	Malar	mmabc@gmail.com	0987654321	<div>ShowEditDelete</div>
3	...	...	..	<div>ShowEditDelete</div>
4	...	...	..
5				
6				

Figure 8: Employees management page of Admin

E-Store			
Admin_name	Products	<u>Employees</u>	Logout
Details of Employee			
Name: John			
Email: johnabc@gmail.com			
Gender: M			
Address: Jaffna			
Mobile No: 0123456789			

Figure 9: Employees details page

E-Store			
Admin_name	Products	<u>Employees</u>	Logout
Enroll a new Employee			
Name:	<input type="text"/>		
Email:	<input type="text"/>		
Gender:	<input type="text" value="▼"/>		
Address:	<input type="text"/>		
Mobile No:	<input type="text"/>		
Password:	<input type="password"/>		
<input type="button" value="Enroll"/>			

Figure 10: Employee registration page

E-Store

Admin_name

Products

Employees

Logout

Edit an Employee

Name:

John

Email:

johnabc@gmail.com

Gender:

M

Address:

Jaffna

Mobile No:

0123456789

Update

Figure 11: Employee details editing page

E-Store

Customer_name

Place Orders

Logout

Welcome to Customer Dashboard!

Figure 12: Dashboard for Customer

E-Store				
Customer_name		Place Orders		Logout
No	Name	Detail	Price	Actions
1	Bag	School Bag	2000.00	Place order
2	Cycle	Sports Cycle	15000.00	Place order
3	...	...	..
4	...	...	..
5				
6				

Figure 13: Product details view for customer

E-Store	
Customer_name	Place Orders Logout
<div>Product Name: Bag</div> <div>Employee Name: John</div> <div>Price: 2000.00</div> <div>Order</div>	

Figure 14: order booking page for customer

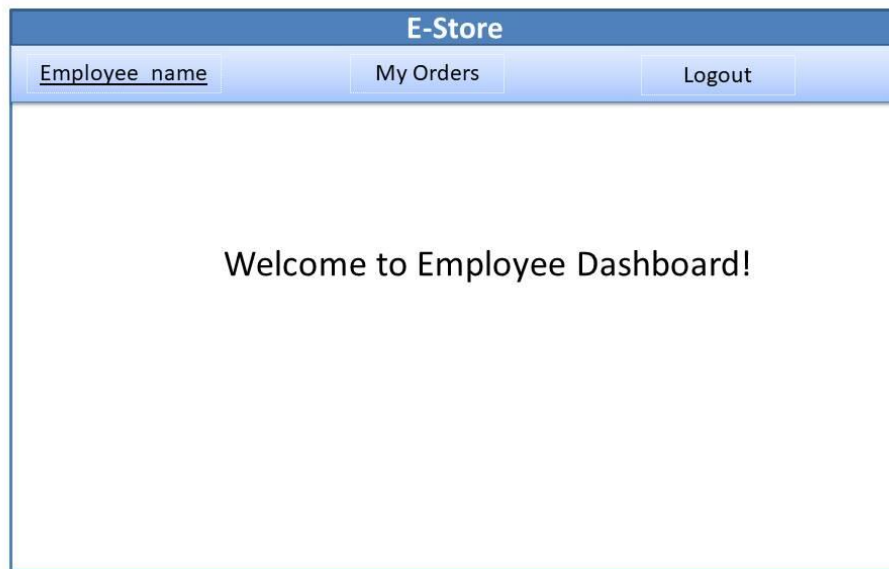


Figure 15: Dashboard for Employee

E-Store

Employee_name

My Orders

Logout

Order Details

No	Product Name	Detail	Price	Customer Name	Customer Address	Customer mobile no	Date
1	Bag	School Bag	15000.00	Ram	Jaffna town	0123456789	18.08.2021
2							
3	...	...	..	
4	...	...	..	
5							

Figure 16: order details view of the employee