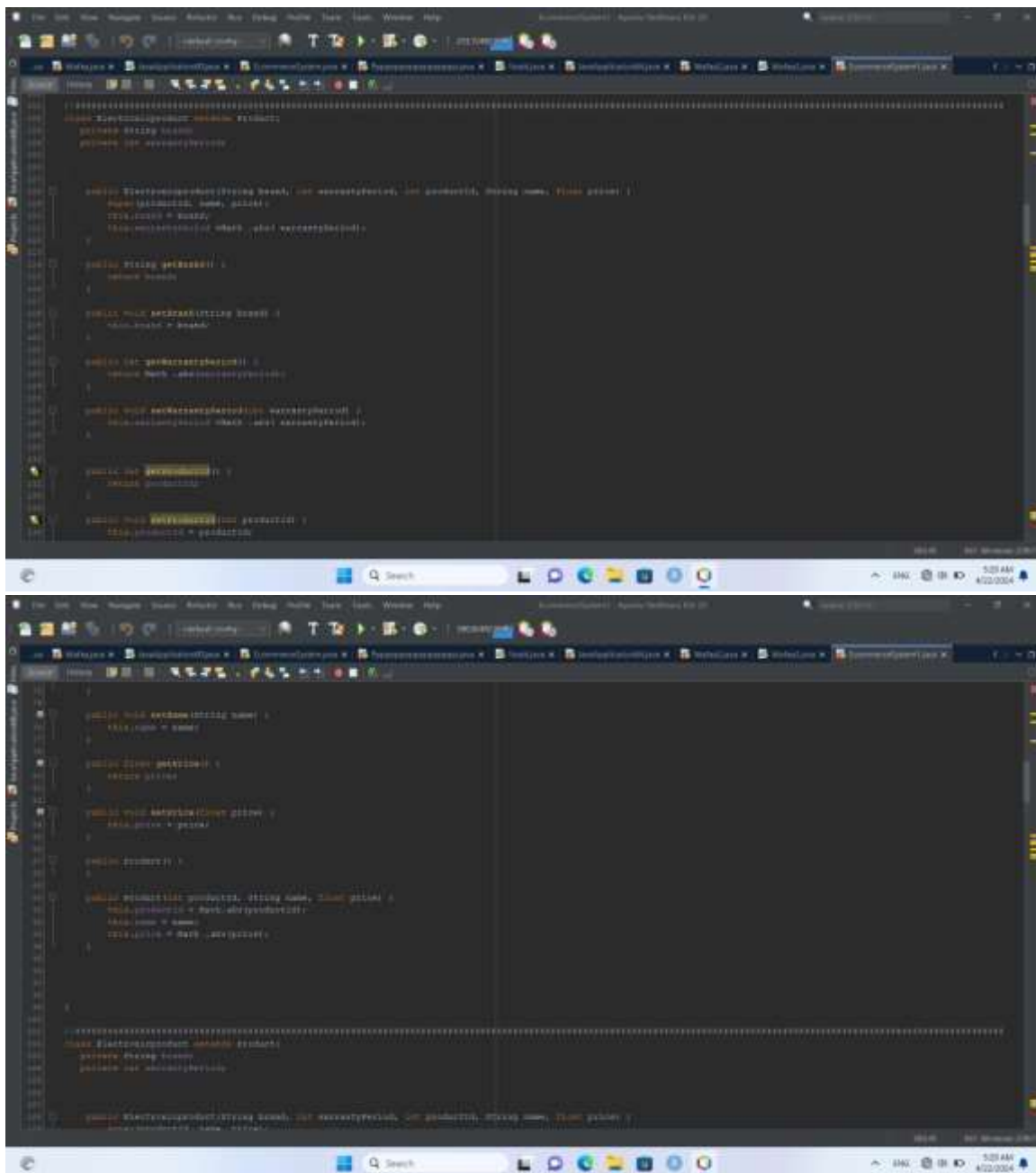


منار سمير دياب

ID:23011162

The Code:



```
// Product.cs
using System;
using System.Collections.Generic;
using System.Linq;
using System.Threading.Tasks;

namespace EcommerceSystem
{
    public class Product
    {
        public string Name { get; set; }
        public decimal Price { get; set; }
        public string Description { get; set; }
        public string Category { get; set; }
        public string ImageUrl { get; set; }
        public string ProductId { get; set; }
    }
}

// ProductController.cs
using Microsoft.AspNetCore.Mvc;
using EcommerceSystem;

namespace EcommerceSystem.Controllers
{
    [Route("api/[controller]")]
    [ApiController]
    public class ProductController : ControllerBase
    {
        private readonly IProductRepository _repository;

        public ProductController(IProductRepository repository)
        {
            _repository = repository;
        }

        // GET: api/Product
        [HttpGet]
        public async Task GetProducts()
        {
            var products = await _repository.GetAllProductsAsync();
            return Ok(products);
        }

        // GET: api/Product/{id}
        [HttpGet("{id}")]
        public async Task GetProductById(string id)
        {
            var product = await _repository.GetProductByIdAsync(id);
            if (product == null)
            {
                return NotFound();
            }
            return Ok(product);
        }
    }
}
```



```
100 public void removeProduct(Product product) {
101     for (int i = 0; i < products.length; i++) {
102         if (products[i].getId() == product.getId()) {
103             products[i] = null;
104             break;
105         }
106     }
107 }
108
109 public void getAllProducts() {
110     for (int i = 0; i < products.length; i++) {
111         System.out.println("Product ID: " + products[i].getId() + " Name: " + products[i].getName());
112     }
113 }
114
115 public void getProductById(int productId) {
116     for (int i = 0; i < products.length; i++) {
117         if (products[i].getId() == productId) {
118             System.out.println("Product ID: " + products[i].getId() + " Name: " + products[i].getName());
119             break;
120         }
121     }
122 }
123
124 public void updateProduct(Product product) {
125     for (int i = 0; i < products.length; i++) {
126         if (products[i].getId() == product.getId()) {
127             products[i] = product;
128             break;
129         }
130     }
131 }
132
133 public void deleteProduct(Product product) {
134     for (int i = 0; i < products.length; i++) {
135         if (products[i].getId() == product.getId()) {
136             products[i] = null;
137             break;
138         }
139     }
140 }
```

```
140 public void addProduct(Product product) {
141     products.add(product);
142 }
143
144 public void getProductById(int productId) {
145     for (int i = 0; i < products.length; i++) {
146         if (products[i].getId() == productId) {
147             System.out.println("Product ID: " + products[i].getId() + " Name: " + products[i].getName());
148             break;
149         }
150     }
151 }
152
153 public void updateProduct(Product product) {
154     for (int i = 0; i < products.length; i++) {
155         if (products[i].getId() == product.getId()) {
156             products[i] = product;
157             break;
158         }
159     }
160 }
161
162 public void deleteProduct(Product product) {
163     for (int i = 0; i < products.length; i++) {
164         if (products[i].getId() == product.getId()) {
165             products[i] = null;
166             break;
167         }
168     }
169 }
170
171 public void getAllProducts() {
172     for (int i = 0; i < products.length; i++) {
173         System.out.println("Product ID: " + products[i].getId() + " Name: " + products[i].getName());
174     }
175 }
```

```
1 // Importing the Scanner class
2 import java.util.Scanner;
3
4 // Creating a Scanner object
5 Scanner scanner = new Scanner(System.in);
6
7 // Asking the user to enter their name
8 System.out.println("Please enter your name:");
9 String name = scanner.nextLine();
10
11 // Asking the user to enter their address
12 System.out.println("Please enter your address:");
13 String address = scanner.nextLine();
14
15 // Asking the user to enter their phone number
16 System.out.println("Please enter your phone number:");
17 String phone = scanner.nextLine();
18
19 // Asking the user to enter their email
20 System.out.println("Please enter your email:");
21 String email = scanner.nextLine();
22
23 // Asking the user to enter their password
24 System.out.println("Please enter your password:");
25 String password = scanner.nextLine();
26
27 // Asking the user to enter their confirm password
28 System.out.println("Please enter your confirm password:");
29 String confirmPassword = scanner.nextLine();
30
31 // Checking if the password and confirm password are the same
32 if (password.equals(confirmPassword)) {
33     // If the password and confirm password are the same, then the user is successful in creating an account
34     System.out.println("Account created successfully!");
35 } else {
36     // If the password and confirm password are not the same, then the user is not successful in creating an account
37     System.out.println("Password and confirm password do not match. Please try again.");
38 }
```

The Output :

```
1 Welcome to the Accounts_System
2 Please enter your ID:
3 12345678
4 Please enter your name:
5 Anshu Kumar Singh
6 Please enter your address:
7 1234567890
8 Please enter your phone number:
9 9876543210
10 Which product would you like to add? 1:Electronics 2:Clothing 3:Food
11 1
12 Which product would you like to add? 1:Electronics 2:Clothing 3:Food
13 2
14 Which product would you like to add? 1:Electronics 2:Clothing 3:Food
15 3
16 Which product would you like to add? 1:Electronics 2:Clothing 3:Food
17 4
18 Your name is : Anshu Kumar Singh
19 Would you like to place an order? 1:Yes 2:No
20 1
21 Here is your summary :
22 your ID is : 12345678
23 your name is : Anshu Kumar Singh
24 products
25 1:Electronics 2:Clothing 3:Food
26 1000-10.00
27 The total price is : 1000.00
28 2:Clothing 3:Food
29 1000-10.00
30 The total price is : 1000.00
31 3:Food
32 1000-10.00
33 The total price is : 1000.00
34 4:Electronics 5:Clothing 6:Food
35 1000-10.00 1000-10.00 1000-10.00
```