



HomeWork 3

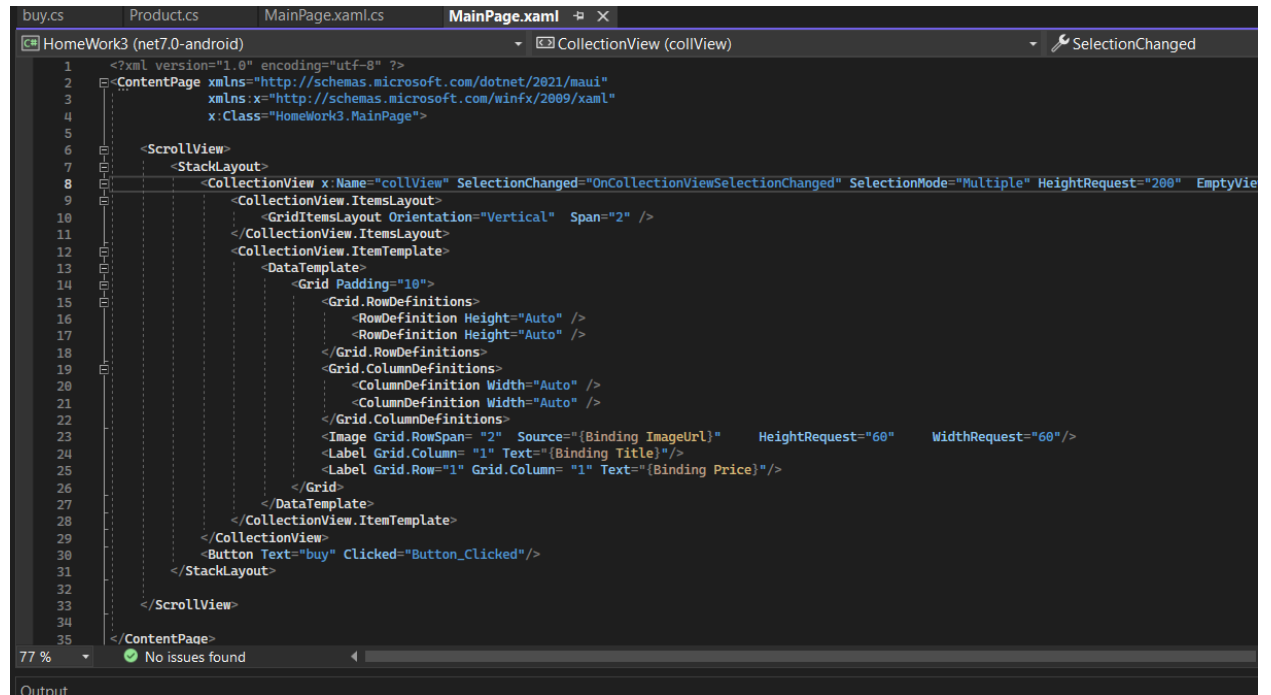
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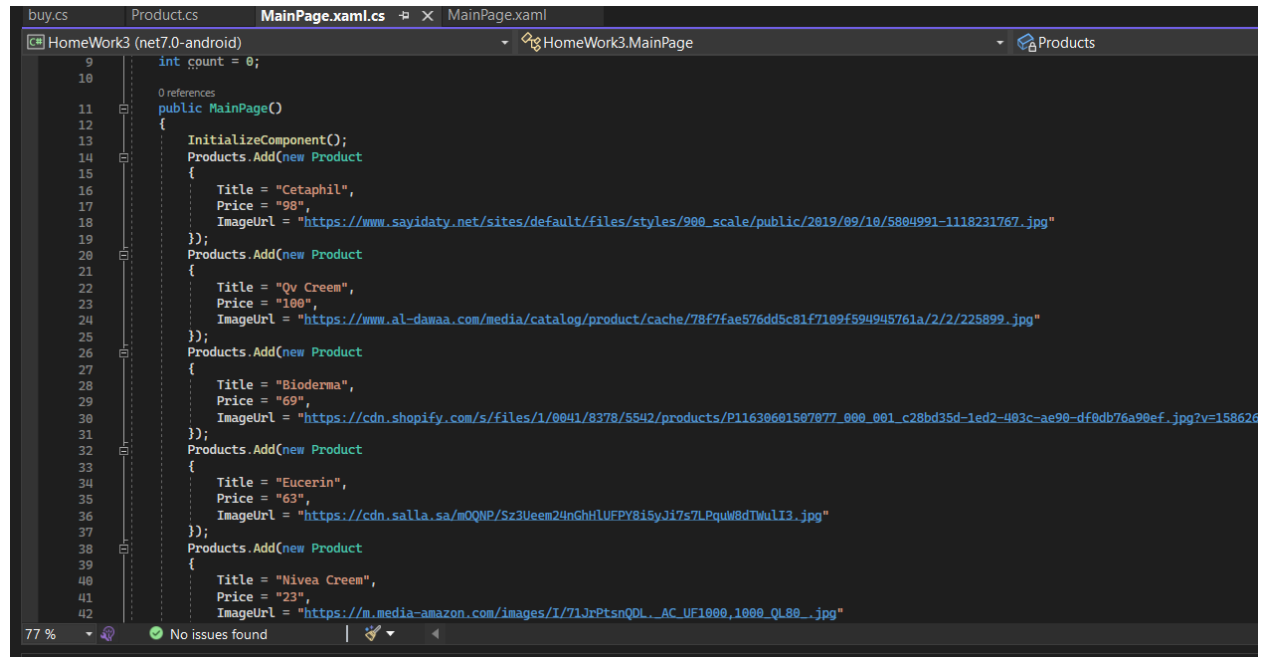
MainPage.xaml



The screenshot shows the MainPage.xaml file in Visual Studio. The file is part of a project named 'HomeWork3 (net7.0-android)'. The XAML code defines a ContentPage with a ScrollView containing a StackLayout. The StackLayout contains a CollectionView named 'collView' with SelectionChanged='OnCollectionViewSelectionChanged', SelectionMode='Multiple', and HeightRequest='200'. The CollectionView has a GridItemsLayout with Orientation='Vertical' and Span='2'. It also has an ItemTemplate that defines a DataTemplate with a Grid containing an Image, a Label for the title, and a Label for the price. A Button with Text='buy' and Clicked='Button_Clicked' is also present in the StackLayout.

```
<?xml version="1.0" encoding="utf-8" ?>
<ContentPage xmlns="http://schemas.microsoft.com/dotnet/2021/maui"
              xmlns:x="http://schemas.microsoft.com/winfx/2009/xaml"
              x:Class="HomeWork3.MainPage">
    <ScrollView>
        <StackLayout>
            <CollectionView x:Name="collView" SelectionChanged="OnCollectionViewSelectionChanged" SelectionMode="Multiple" HeightRequest="200" EmptyView="..." />
            <CollectionView.ItemsLayout>
                <GridItemsLayout Orientation="Vertical" Span="2" />
            </CollectionView.ItemsLayout>
            <CollectionView.ItemTemplate>
                <DataTemplate>
                    <Grid Padding="10">
                        <Grid.RowDefinitions>
                            <RowDefinition Height="Auto" />
                            <RowDefinition Height="Auto" />
                        </Grid.RowDefinitions>
                        <Grid.ColumnDefinitions>
                            <ColumnDefinition Width="Auto" />
                            <ColumnDefinition Width="Auto" />
                        </Grid.ColumnDefinitions>
                        <Image Grid.RowSpan="2" Source="{Binding ImageUrl}" HeightRequest="60" WidthRequest="60"/>
                        <Label Grid.Column="1" Text="{Binding Title}" />
                        <Label Grid.Row="1" Grid.Column="1" Text="{Binding Price}" />
                    </Grid>
                </DataTemplate>
            </CollectionView.ItemTemplate>
            <Button Text="buy" Clicked="Button_Clicked" />
        </StackLayout>
    </ScrollView>
</ContentPage>
```

Mainpage.xaml.cs



The screenshot shows the Mainpage.xaml.cs file in Visual Studio. The code defines a MainPage class that inherits from ContentPage. It has a private static list of Product objects. The constructor initializes the component and adds the products to the Products list. The Products list contains four products: Cetaphil, Qv Creem, Bioderma, and Eucerin.

```
int count = 0;

public MainPage()
{
    InitializeComponent();
    Products.Add(new Product
    {
        Title = "Cetaphil",
        Price = "98",
        ImageUrl = "https://www.sayidaty.net/sites/default/files/styles/900_scale/public/2019/09/10/5804991-1118231767.jpg"
    });
    Products.Add(new Product
    {
        Title = "Qv Creem",
        Price = "100",
        ImageUrl = "https://www.al-damaa.com/media/catalog/product/cache/78f7fae576dd5c81f7109f594945761a/2/2/225899.jpg"
    });
    Products.Add(new Product
    {
        Title = "Bioderma",
        Price = "69",
        ImageUrl = "https://cdn.shopify.com/s/files/1/0041/8378/5542/products/P11630601507077_000_001_c28bd35d-1ed2-403c-ae90-df0db76a90ef.jpg?v=158626"
    });
    Products.Add(new Product
    {
        Title = "Eucerin",
        Price = "63",
        ImageUrl = "https://cdn.salla.sa/mQNP/Sz3Ueem24nGhHUFY8iSyJi7s7LPquW8DTWuI3.jpg"
    });
    Products.Add(new Product
    {
        Title = "Nivea Creem",
        Price = "23",
        ImageUrl = "https://m.media-amazon.com/images/I/71JrTsnQDL_AC_UF1000,1000_QL80_.jpg"
    });
}
```

Buy.cs

```
buy.cs | Product.cs | MainPage.xaml.cs | MainPage.xaml
C# HomeWork3 (net7.0-android) | Go HomeWork3.buy
1 using System;
2 using System.Collections.Generic;
3 using System.Linq;
4 using System.Text;
5 using System.Threading.Tasks;
6
7 namespace HomeWork3
8 {
9     3 references
10    internal class buy
11    {
12        1 reference
13        public string Title { get; set; }
14        2 references
15        public int Price { get; set; }
16    }
17 }
```

OUTPUT

