Лабораториска вежба 5 (Група Б) / Laboratory exercise 5 (Group B)

Дадени ви се две апликации за нарачување на карти за филмови и Админ апликација. Симнете го кодот поставен на курсот и дополнете ја апликацијата со следниве функционалности:

- Експорт на сите нарачки од Admin апликација во PDF
- Експорт на секоја нарачка посебно и продукти во нарачка од Admin апликација во PDF

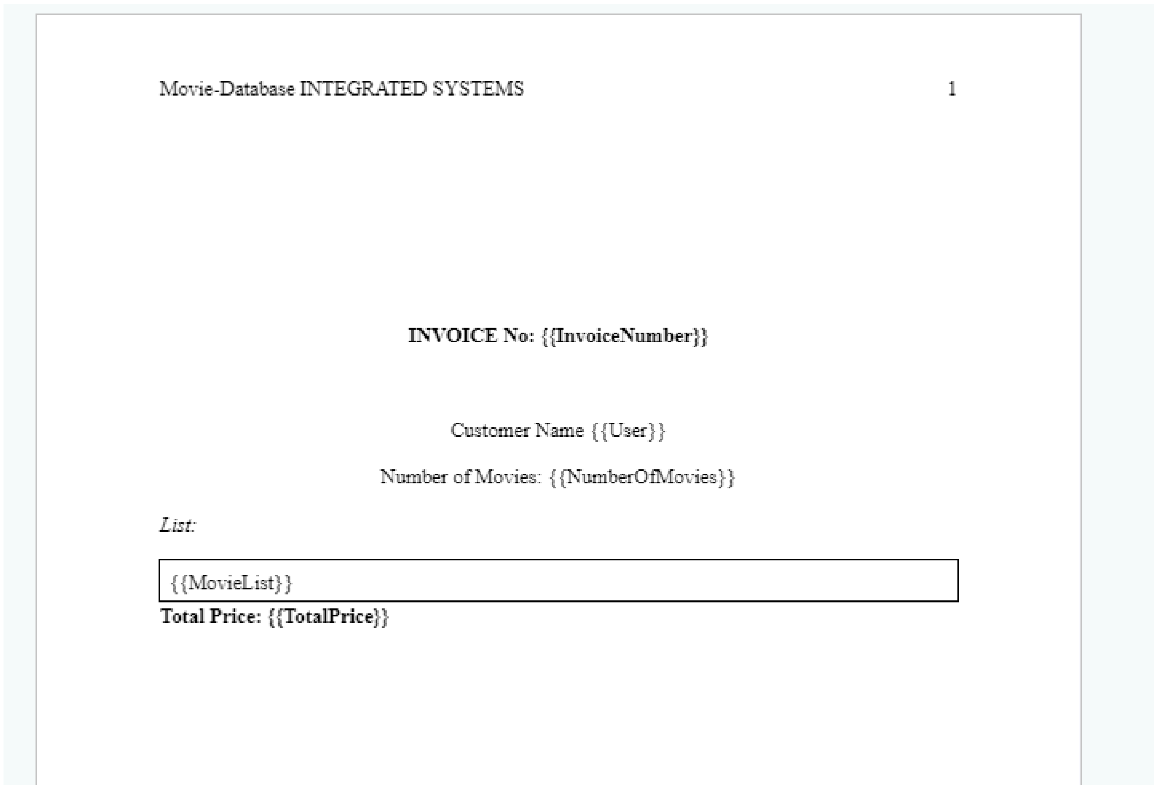
You are given two applications for ordering movie tickets and an Admin application. Download the code posted on the course and complete the application with the following functionalities:

- Export of all orders from Admin application to PDF
- Export of every order and products in order from Admin application to PDF.

Step 1 : Create Button for Invoice

```
<td>
     |
<a asp-action="ExportInvoice" asp-route-id="@item.Id" class="btn btn-info">Export Invoice</a>
</td>
```

Step 2 : Create a word file template



Movie-Database INTEGRATED SYSTEMS 1

INVOICE No: {{InvoiceNumber}}

Customer Name {{User}}

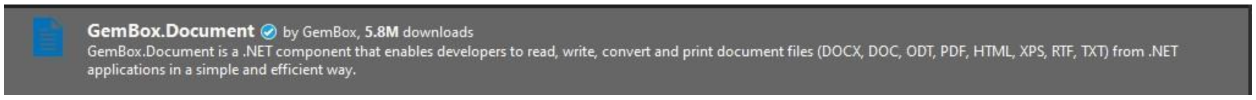
Number of Movies: {{NumberOfMovies}}

List:

{{MovieList}}

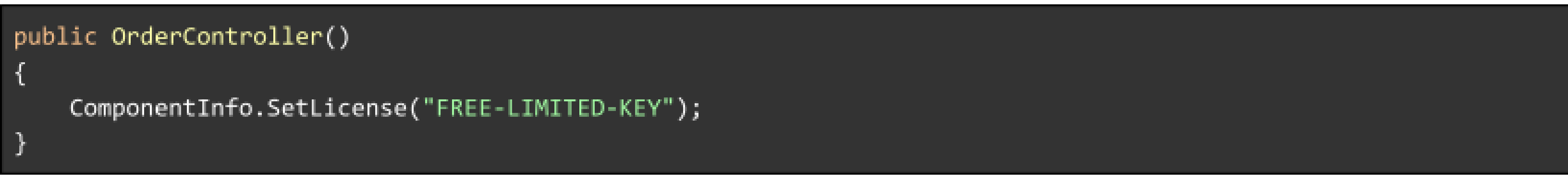
Total Price: {{TotalPrice}}

Download Gembox Document package to be able to read documents from VS



GemBox.Document by GemBox, **5.8M** downloads
GemBox.Document is a .NET component that enables developers to read, write, convert and print document files (DOCX, DOC, ODT, PDF, HTML, XPS, RTF, TXT) from .NET applications in a simple and efficient way.

import the license in the OrderController **Constructor**

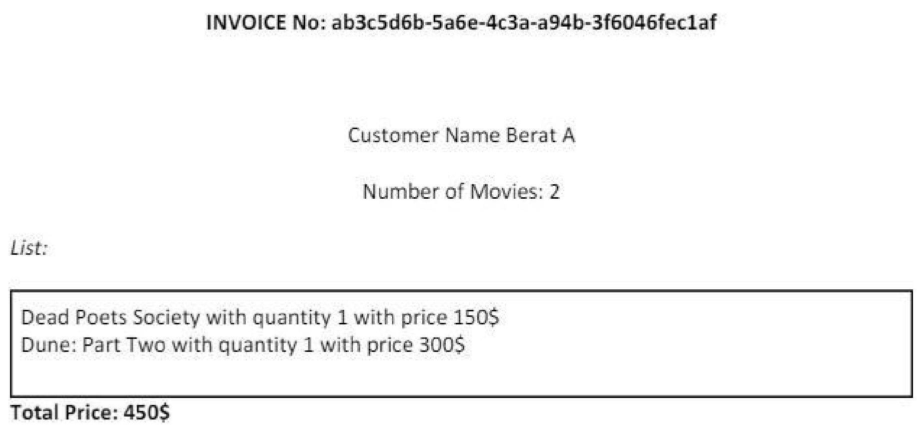


```
public OrderController()
{
    ComponentInfo.SetLicense("FREE-LIMITED-KEY");
}
```

Step 3: Write The Export Code

```
public IActionResult ExportInvoice(Guid id)
{
    //COPIED FROM DETAILS
    HttpClient client = new HttpClient();
    string URL = "http://localhost:5054/api/Admin/GetDetailsForOrder";
    var model = new
    {
        Id = id
    };
    HttpContent content = new StringContent(JsonConvert.SerializeObject(model), Encoding.UTF8,
"application/json");

    HttpResponseMessage response = client.PostAsync(URL, content).Result;

    var data = response.Content.ReadAsAsync<Order>().Result;

    if (data == null)
    {
        // Handle the error appropriately, e.g., log the error and return
        // You might want to throw an exception or return a default value here
        throw new Exception("Data is null");
    }
    //COPIED FROM DETAILS

    var templatePath = Path.Combine(Directory.GetCurrentDirectory(), "Invoice.docx");

    var document = DocumentModel.Load(templatePath);
    document.Content.Replace("{{InvoiceNumber}}", data.Id.ToString());
    document.Content.Replace("{{User}}", data.Owner.FirstName.ToString() +" "
+data.Owner.LastName.ToString());
    document.Content.Replace("{{NumberOfMovies}}", data.ProductInOrders.Count.ToString());


    StringBuilder sb = new StringBuilder();
    var totalPrice = 0;
    foreach (var item in data.ProductInOrders)
    {
        sb.Append(item.OrderedProduct.Movie.MovieName + " with quantity " + item.Quantity + " with price " +
 item.OrderedProduct.Price + "$");
//New Line sb.Append(Environment.NewLine);
totalPrice += item.Quantity * (int)item.OrderedProduct.Price;
    }
document.Content.Replace("{{MovieList}}", sb.ToString());
    document.Content.Replace("{{TotalPrice}}", totalPrice.ToString() + "$");

var stream = new MemoryStream();
    document.Save(stream, new PdfSaveOptions());
return File(stream.ToArray(), new PdfSaveOptions().ContentType, "ExportedInvoice.pdf");
 }
```

Export works, example:



INVOICE No: ab3c5d6b-5a6e-4c3a-a94b-3f6046fec1af

Customer Name Berat A

Number of Movies: 2

List:

Dead Poets Society with quantity 1 with price 150$
Dune: Part Two with quantity 1 with price 300$

Total Price: 450$