



E-COMMERCE WEB APP

a presentation by Tobi Awonuga



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THANK YOU



INTRODUCTION

For my Project, I've developed an ecommerce website used for purchasing movie tickets in a Cinema.

Using ASP.Net Core MVC I added various features into the app, made it responsive, and enhanced the overall user experience/personalization.

FEATURES

Front end features:

- *Enhanced User Experience
- *Colorful UI Design
- *Custom Font Integration
- *User personalization
- *User Log View (For Admins)
- *Responsive Shopping Cart

Backend features:

.NET MVC BUILDING BLOCKS - Models, Views, Controllers etc.

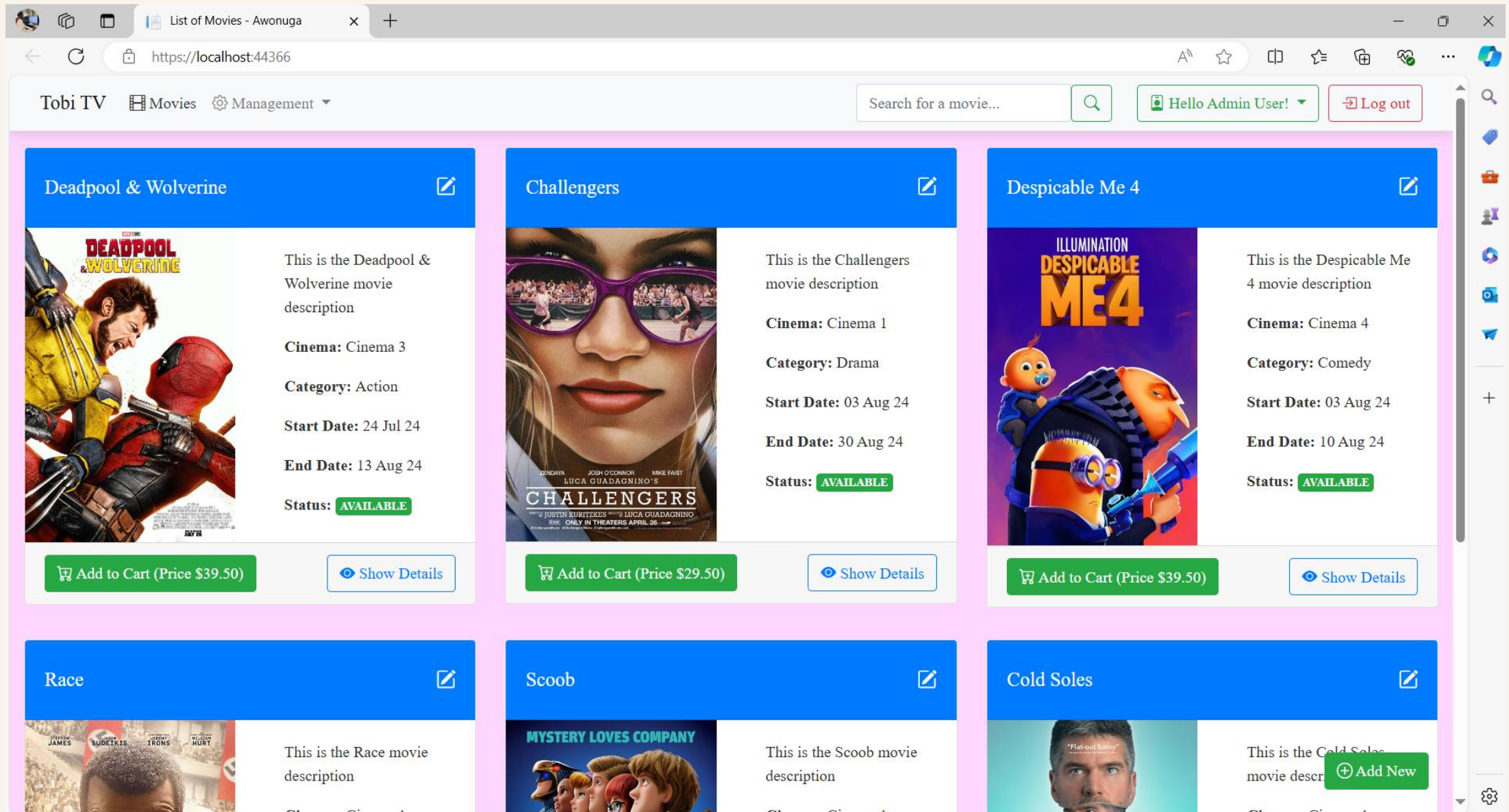
CRUD OPERATIONS WITH ENTITY FRAMEWORK CORE - SQL Server configuration, relationship types, relational and non-relational data etc.

.NET IDENTITY FRAMEWORK - Authentication, authorization, role-based UI rendering etc.

PAYPAL INTEGRATION - Configuring the PayPal checkout library, create and process payments etc.

AZURE DEPLOYMENT - Deploy your MVC application and your SQL database to azure etc.

Landing page of webapp



Registration Page

Sign up for a new account

Full name

Email address

Password

Confirm password

[Cancel](#) [Sign up](#)

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Login Page

The screenshot shows a web browser window with the address bar displaying `https://localhost:44366/Account/Login?ReturnUrl=%2FOrders%2FShoppingCart`. The page title is "Log in to your account - Awonug". The browser's address bar includes navigation buttons (back, forward, refresh) and icons for search, voice search, and bookmarks. The page header features the "Tobi TV" logo, a "Movies" link, a search bar with the placeholder "Search for a movie...", a shopping cart icon with "1" item, and buttons for "Log in" and "Register". The main content area has a pink background and is titled "Log in to your account". It contains two input fields: "Email address" with the value "admin@etickets.com" and "Password" with masked characters "*****". Below these fields are two buttons: "Cancel" and "Log in". The footer of the page is white and displays "© 2024 - Tobi TV". The browser's sidebar on the right shows various application icons and a "+" button for more.

Log in to your account

Email address

admin@etickets.com

Password

Cancel Log in

© 2024 - Tobi TV

Shopping Cart Summary

Tobi TV

Movies

Management

Search for a movie...

1

Hello Admin User!

Log out

Your shopping cart summary

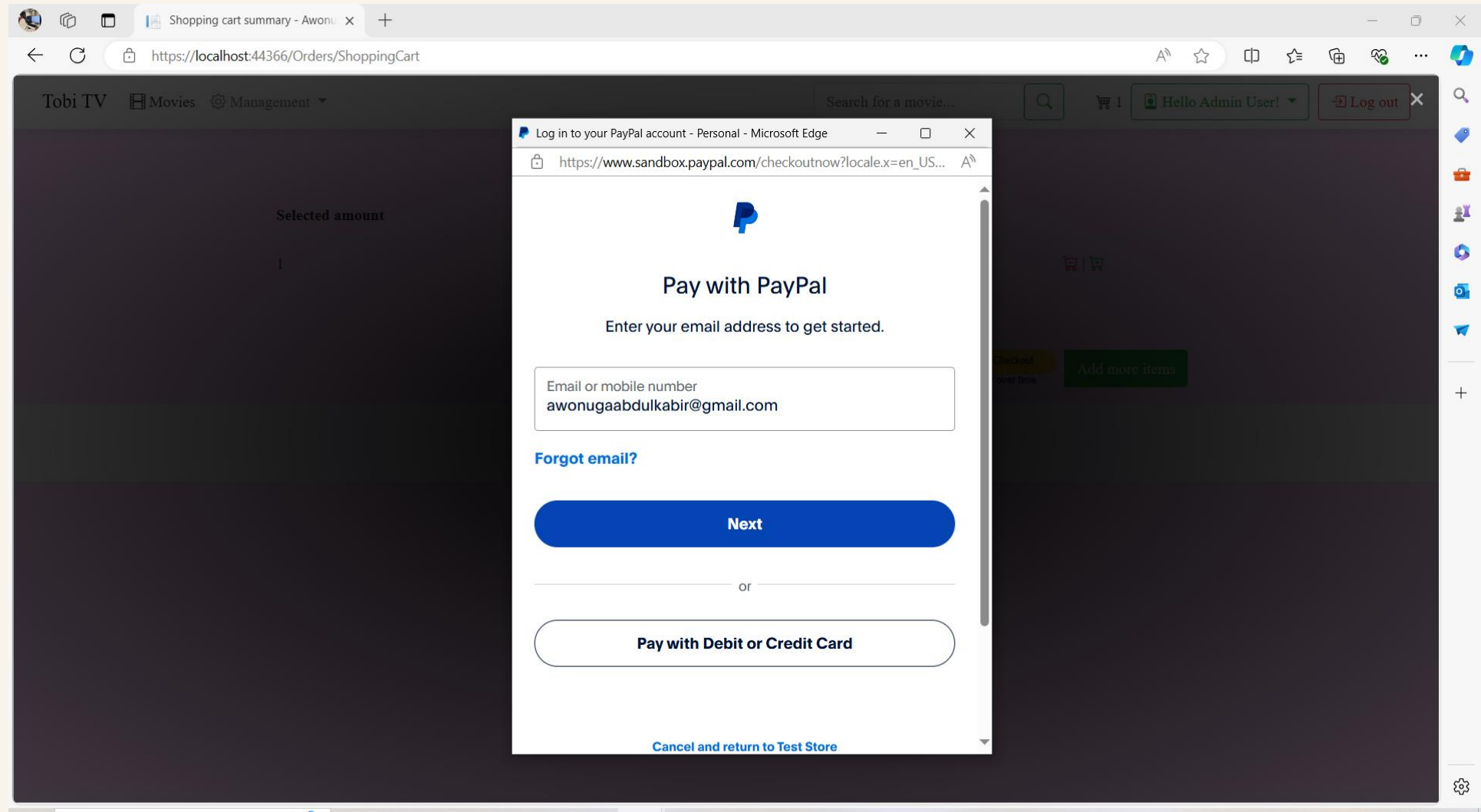
Selected amount	Movie	Price	Subtotal
1	Challengers	\$29.50	\$29.50
Total:			\$29.50

PayPal Checkout

Add more items

© 2024 - Tobi TV

Payment with paypal



User Logs for Admin

Tobi TV

Movies

Management

Search for a movie...

1

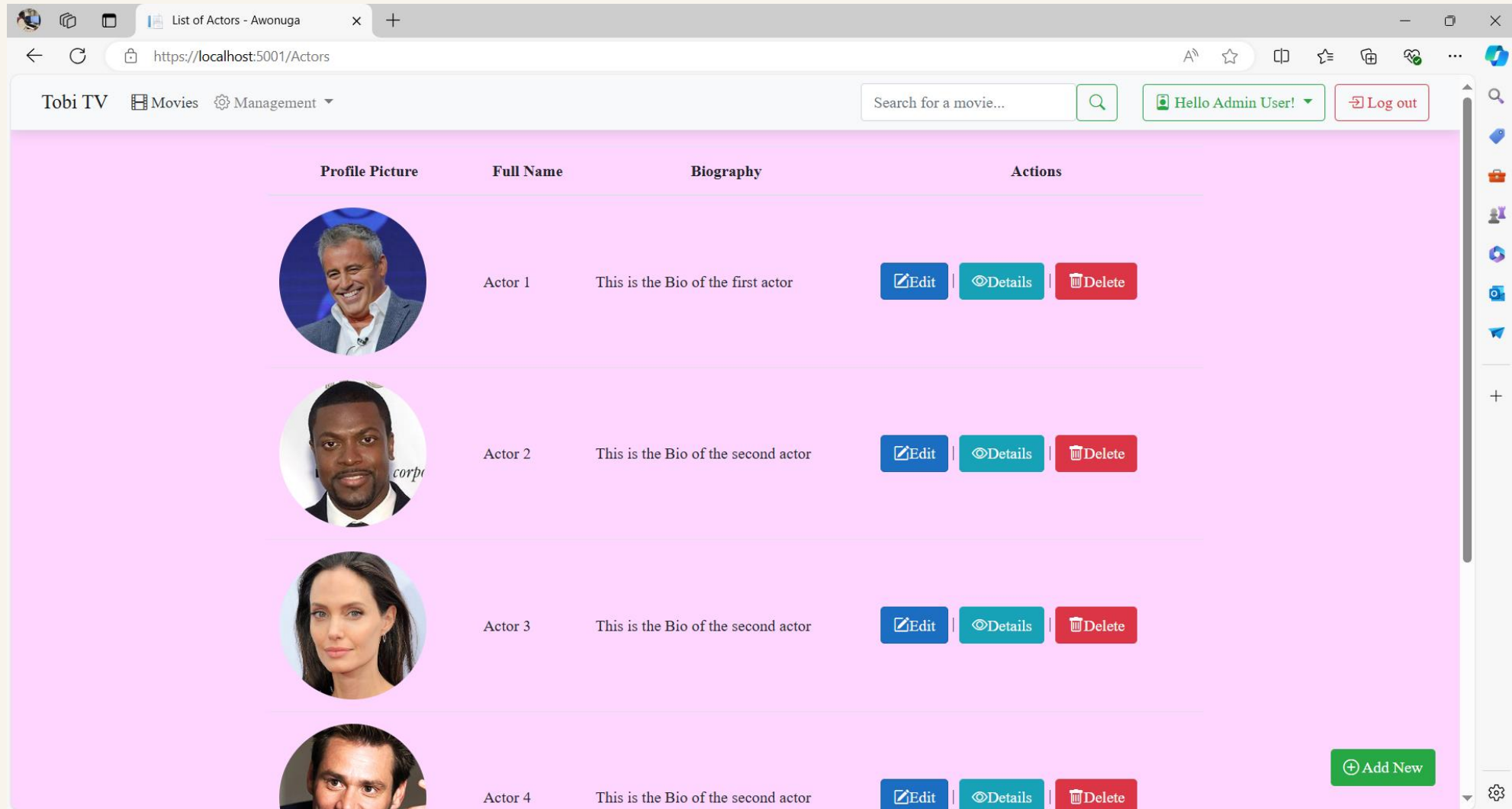
Hello Admin User!

Log out

List of all users

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CRUD Implementation for (e.g. List of Actors)



Update Actor Page for Admin

Update actor - Awonuga

https://localhost:5001/Actors/Edit/1

Tobi TV

Movies


Management

Search for a movie...

Hello Admin User!

Log out

Update Actor



Profile Picture

http://dotnethow.net/images/actors/actor-1.jpeg

Full Name

Actor 1

Biography

This is the Bio of the first actor

Show All

Update

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Details view of App User

Tobi TV


Movies

Search for a movie...

Hello Tobi Awonuga!

Log out

Details for Actor 1



Profile Picture

http://dotnethow.net/images/actors/actor-1.jpeg

Full Name

Actor 1

Biography

This is the Bio of the first actor

Show All

© 2024 - Tobi TV

Delete Actor page for Admin

Delete actor - Awonuga

https://localhost:5001/Actors/Delete/1

Tobi TV

Movies


Management

Search for a movie...

Hello Admin User!

Log out

Delete confirmation for Actor 1



Profile Picture

http://dotnethow.net/images/actors/actor-1.jpeg

Full Name

Actor 1

Biography

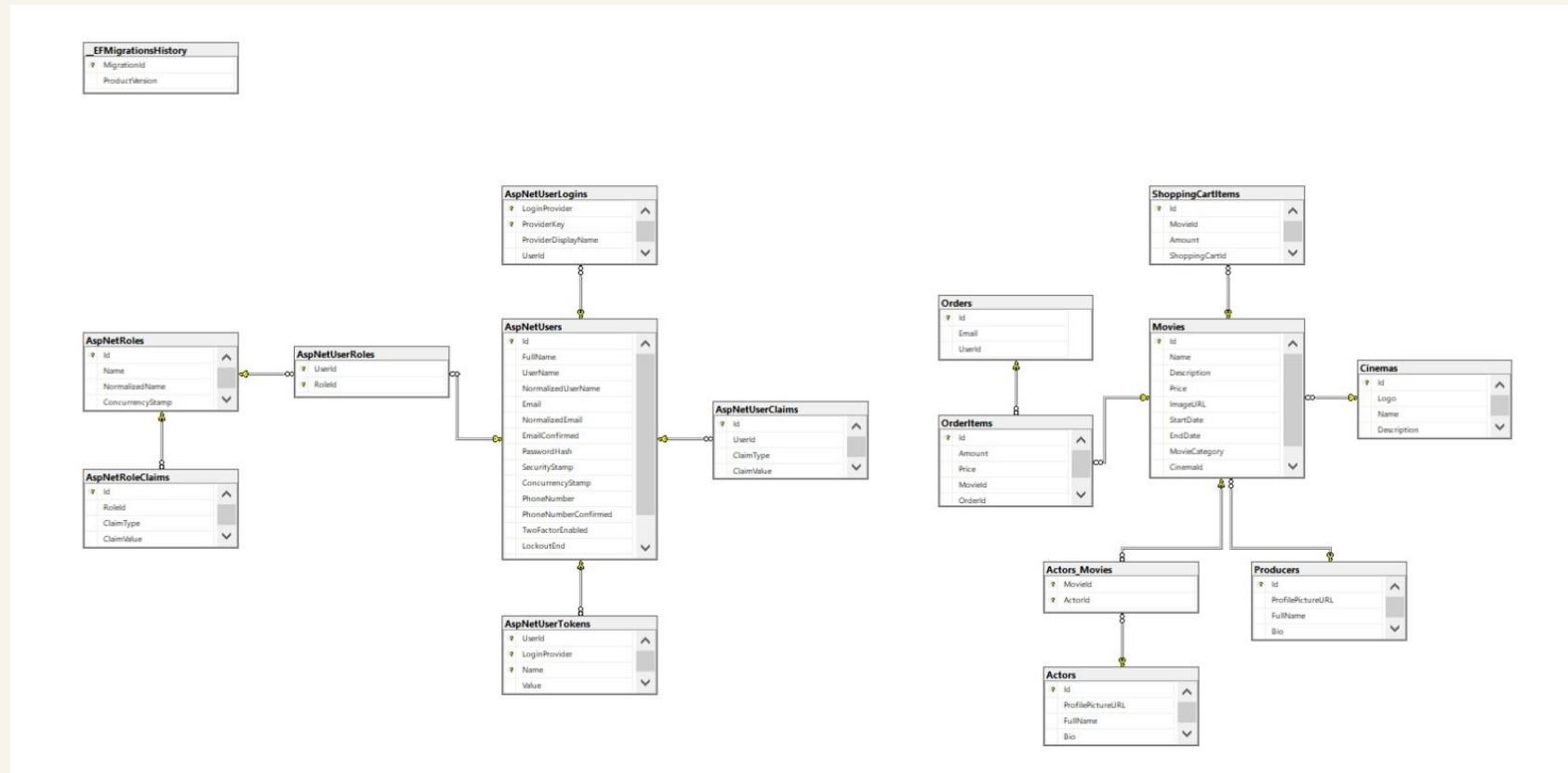
This is the Bio of the first actor

Show All

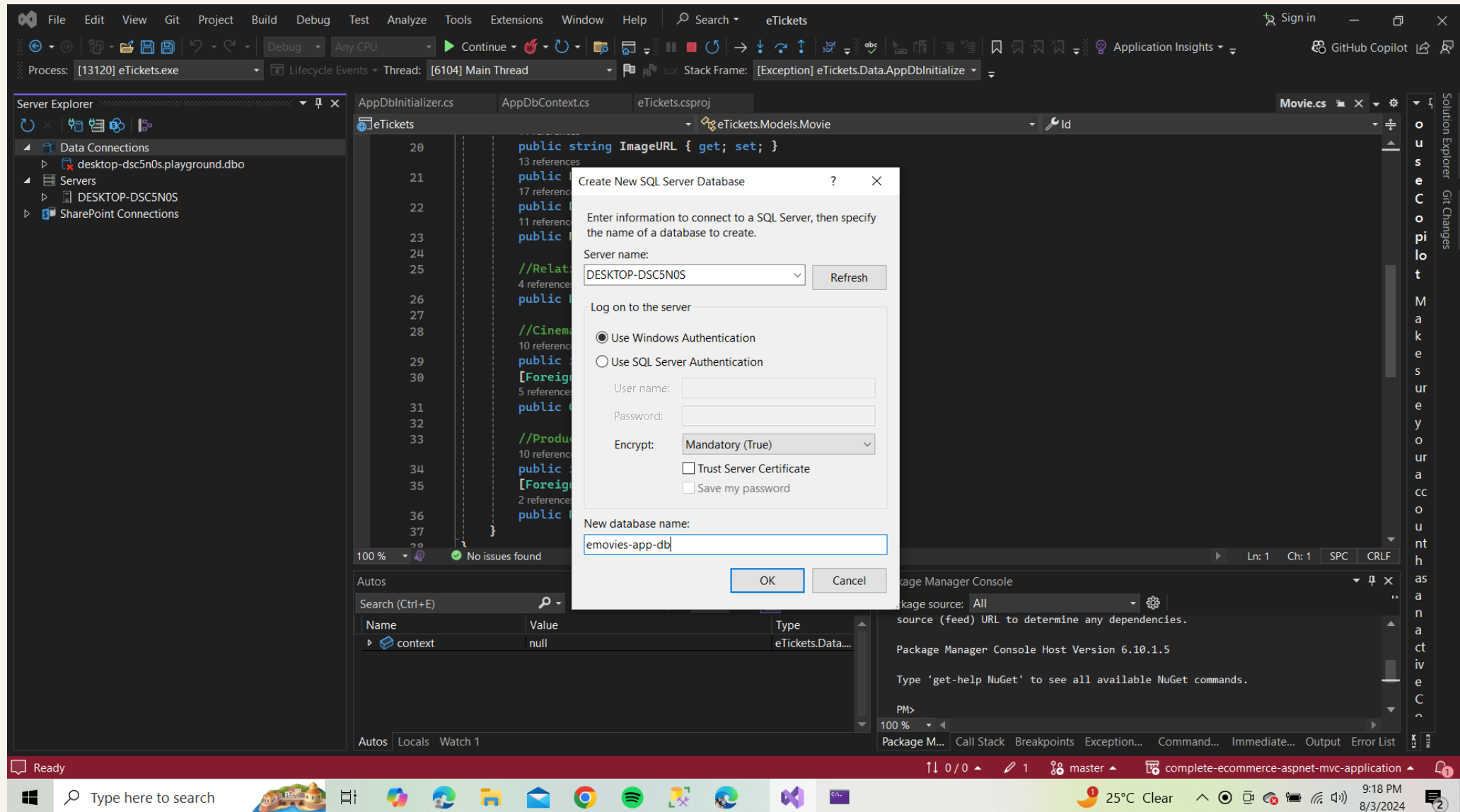
Confirm

© 2024 - Tobi TV

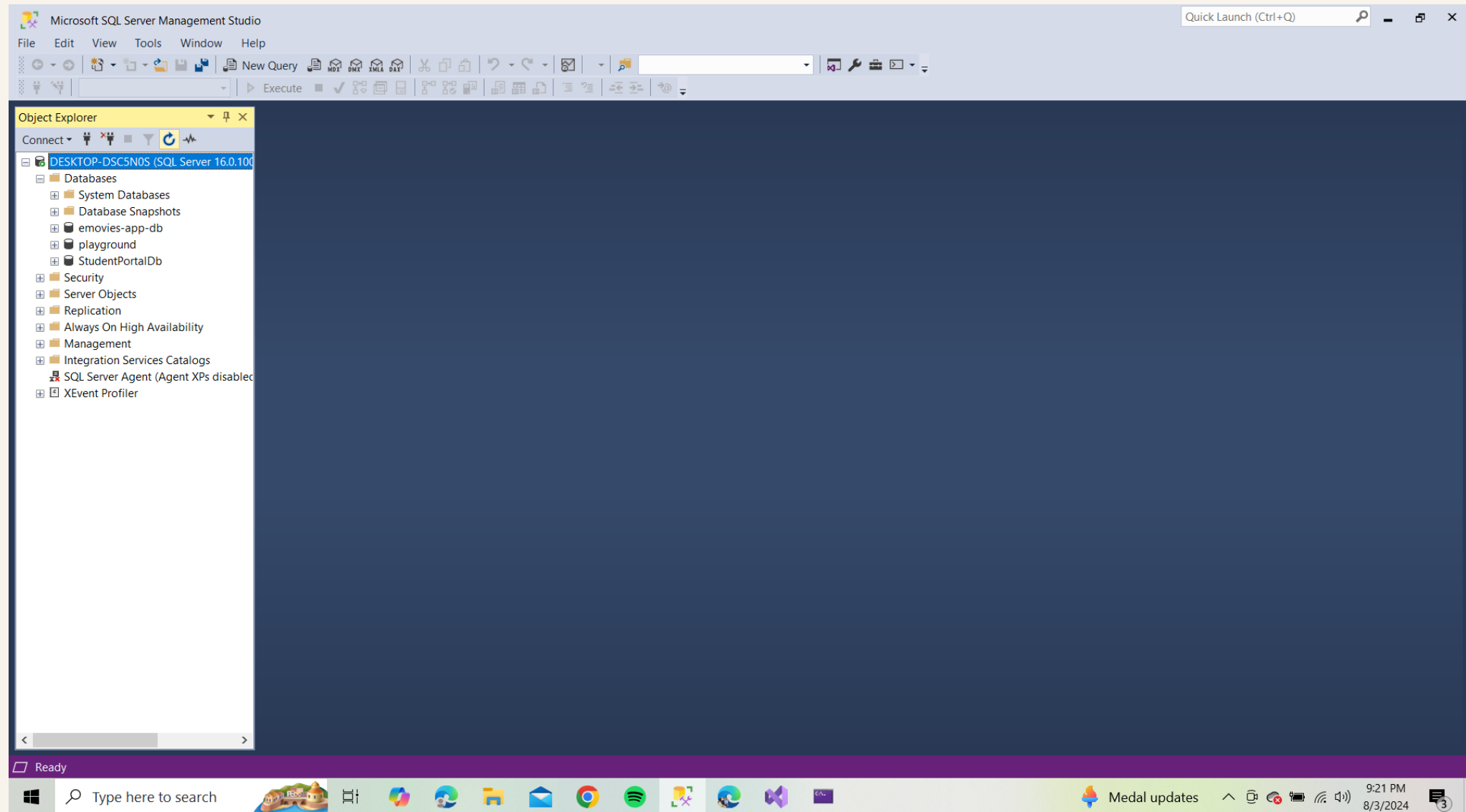
Database Diagram



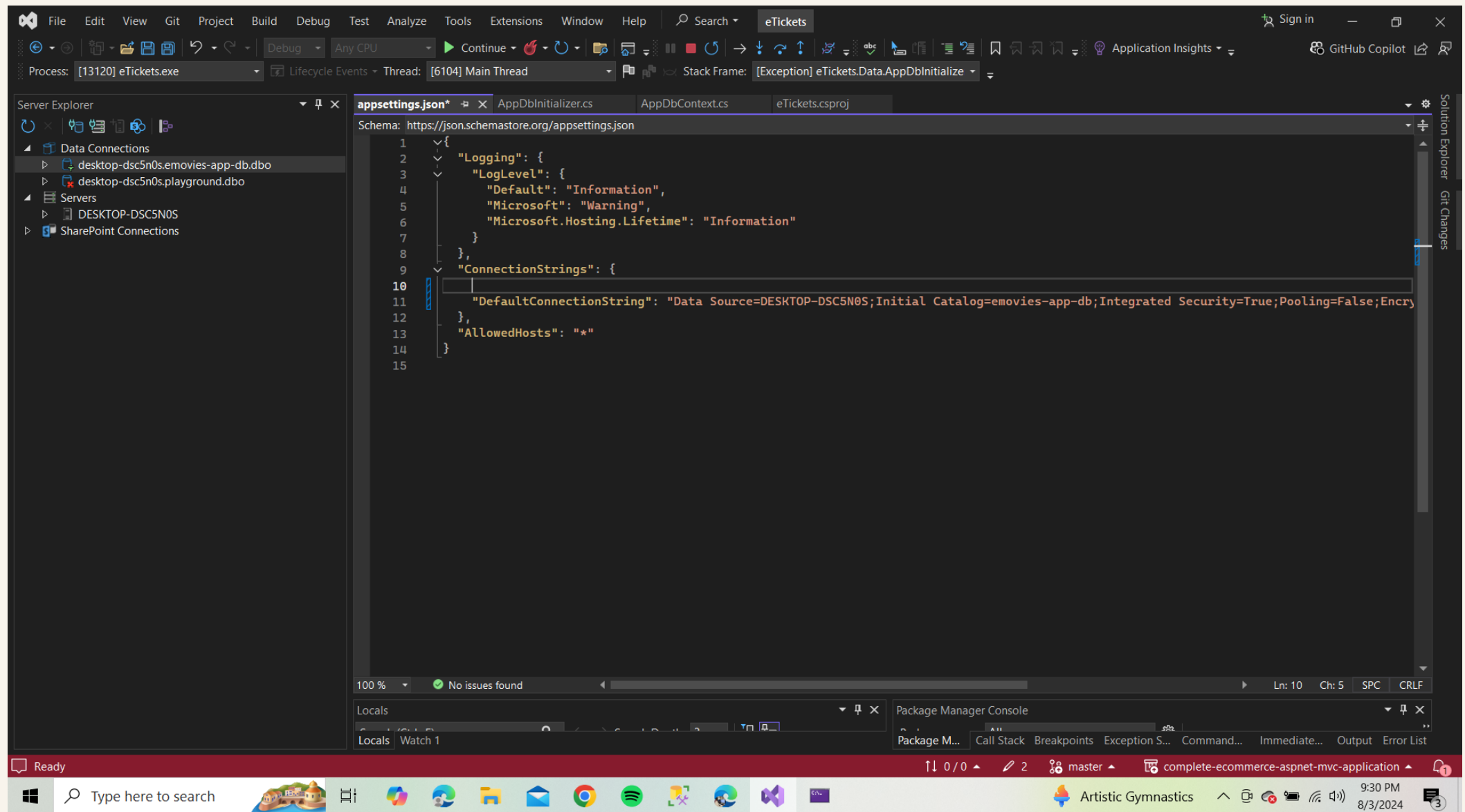
Creating the SQL Database



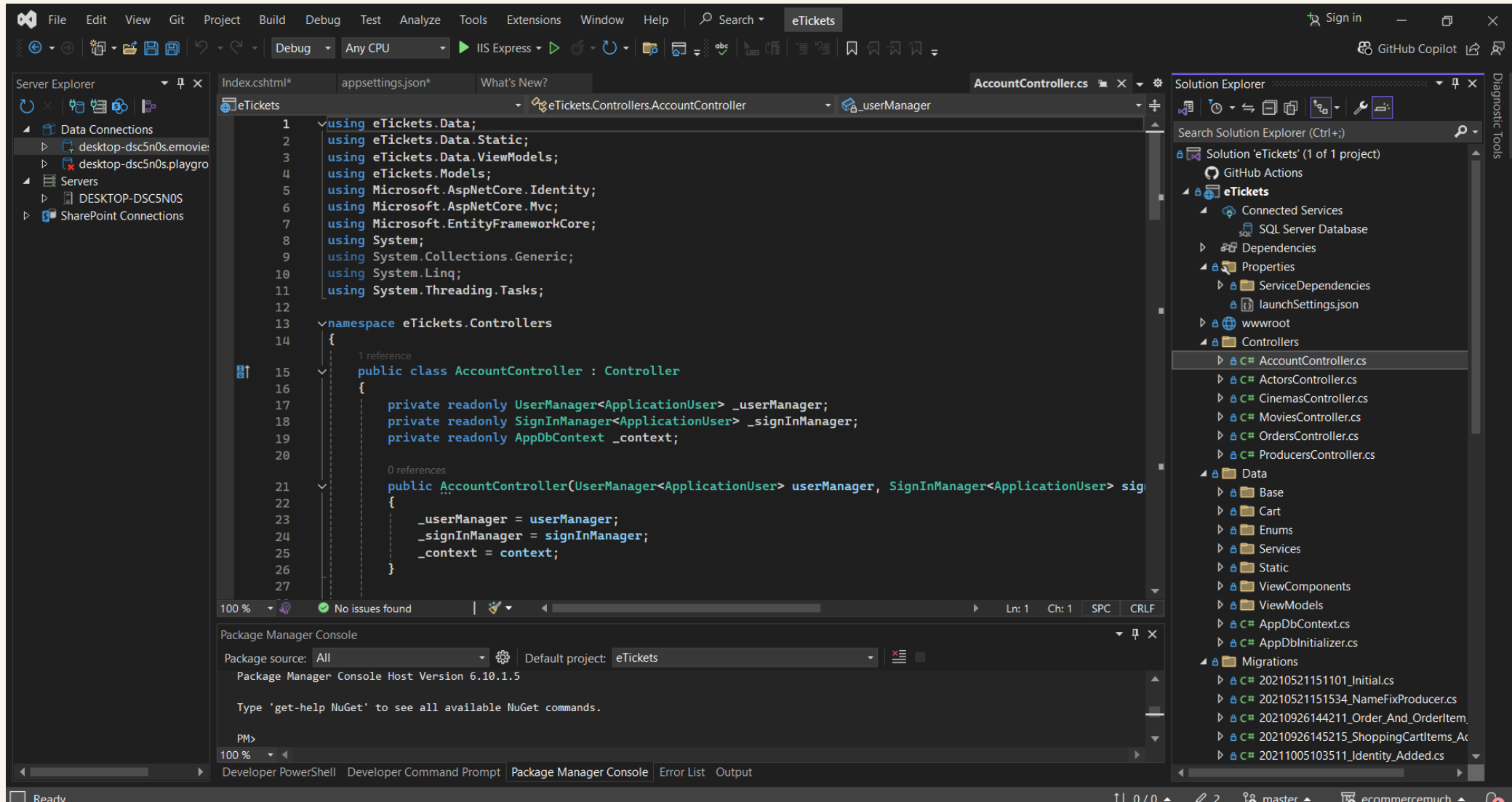
Database verification with SSMS



App settings displaying Connection String



Account Authorization & Authentication



Account Authorization & Authentication contd.

The screenshot displays the Visual Studio Code interface for the 'eTickets' project. The main editor window shows the 'AccessDenied.cshtml' file with the following HTML code:

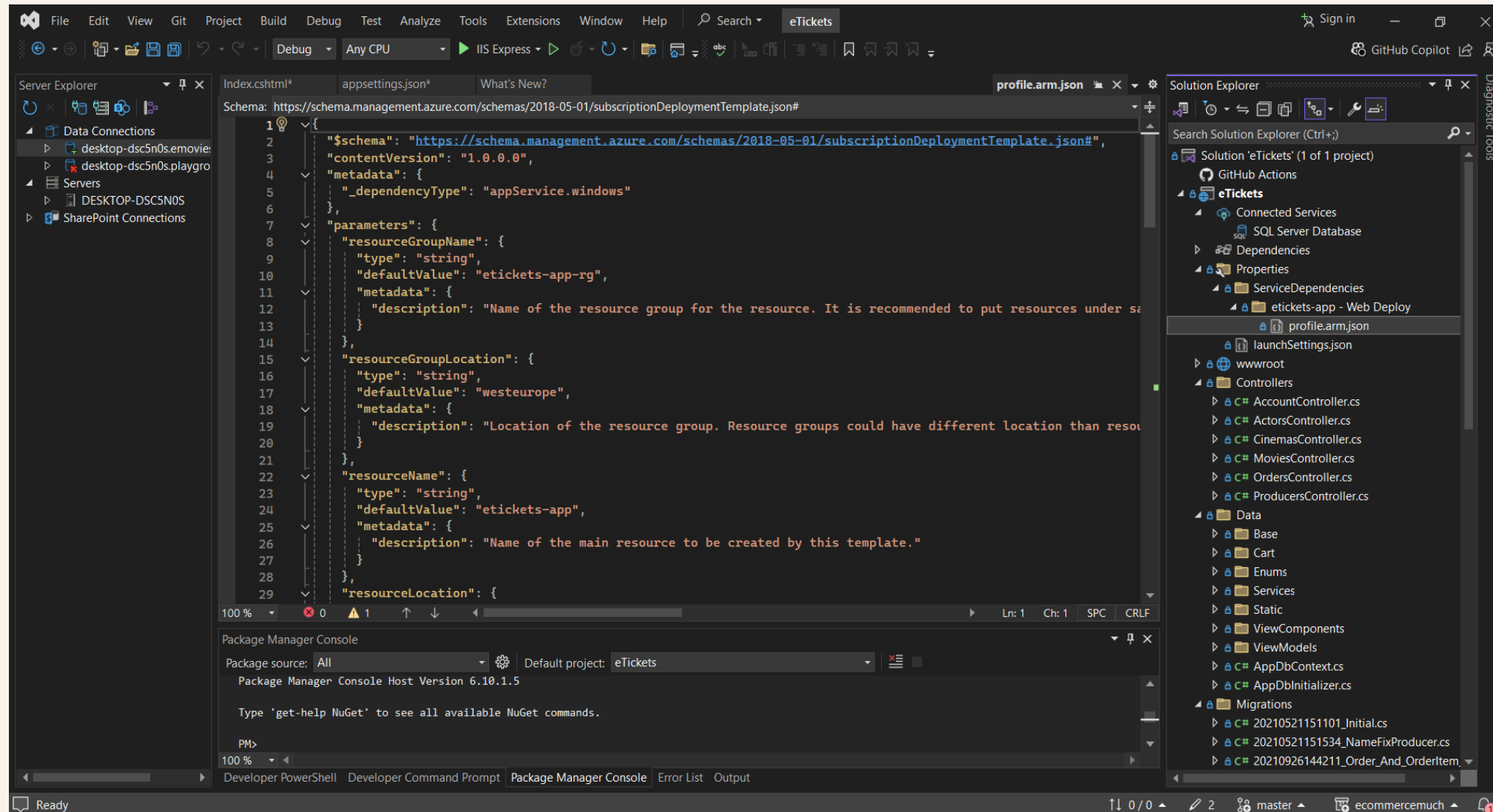
```
1 <div class="row">
2   <div class="col-md-6 offset-3 alert alert-danger text-center">
3     <h2>You are not allowed to access this page</h2>
4     <p>Please, click the button below to be redirected to the home page.</p>
5     <hr />
6     <p>
7       <a asp-controller="Movies" asp-action="Index" class="btn btn-outline-success" >Home Page</a>
8     </p>
9   </div>
10 </div>
```

The Solution Explorer on the right shows the project structure:

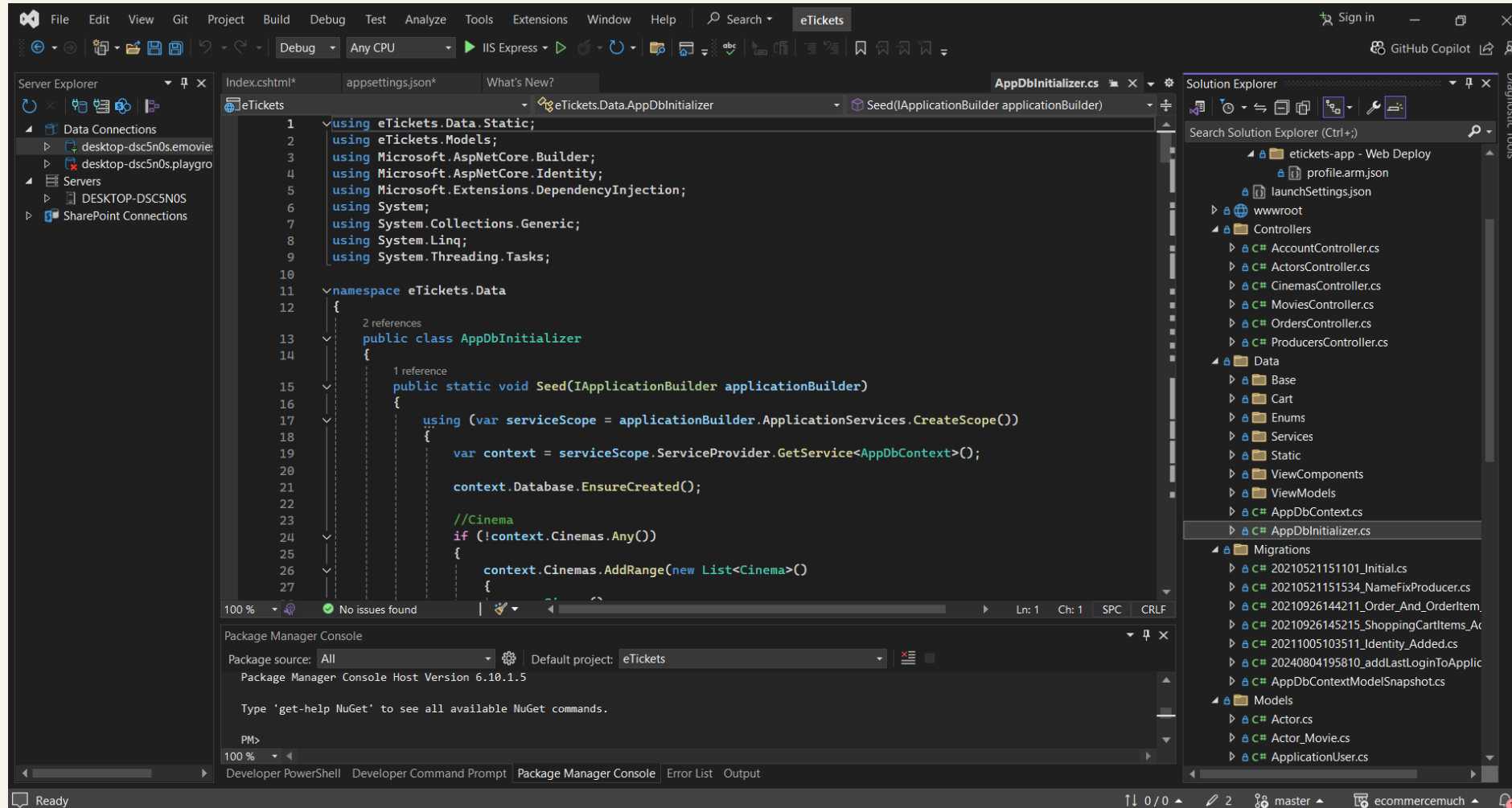
- 20240804195810_addLastLoginToApplic
- AppDbContextModelSnapshot.cs
- Models
 - Actor.cs
 - Actor_Movie.cs
 - ApplicationUser.cs
 - Cinema.cs
 - ErrorViewModel.cs
 - Movie.cs
 - Order.cs
 - OrderItem.cs
 - Producer.cs
 - ShoppingCartItem.cs
- Views
 - Account
 - AccessDenied.cshtml
 - Login.cshtml
 - Register.cshtml
 - RegisterCompleted.cshtml
 - Users.cshtml
 - Actors
 - Cinemas
 - Movies
 - Orders
 - Producers
 - Create.cshtml
 - Delete.cshtml
 - Details.cshtml
 - Edit.cshtml
 - Index.cshtml
 - Shared
 - _ViewImports.cshtml
 - _ViewStart.cshtml

The Package Manager Console at the bottom shows the default project 'eTickets' and the NuGet package manager version 6.10.1.5. The status bar at the bottom indicates the project is on the 'master' branch of the 'ecommercemuch' repository.

Azure Template Deployment (ARM)



Added users and roles



Added users and roles contd.

The screenshot displays the Visual Studio IDE for the 'eTickets' project. The main editor window shows the 'UserRoles.cs' file within the 'eTickets.Data.Static' namespace. The code defines a 'UserRoles' class with two static string properties: 'Admin' and 'User'.

```
1 using System;
2 using System.Collections.Generic;
3 using System.Linq;
4 using System.Threading.Tasks;
5
6 namespace eTickets.Data.Static
7 {
8     11 references
9     public static class UserRoles
10     {
11         public const string Admin = "Admin";
12         public const string User = "User";
13     }
14 }
```

The Solution Explorer on the right shows the project structure, including folders like 'Controllers', 'Data', 'Migrations', and 'Models'. The 'UserRoles.cs' file is highlighted under the 'Static' folder.

The Package Manager Console at the bottom shows the 'eTickets' project selected, with the message: 'Type 'get-help NuGet' to see all available NuGet commands.'

My state-of-the-art e-commerce platform, developed with ASP.NET Core MVC, is designed to provide an exceptional online shopping experience. Leveraging the robust capabilities of ASP.NET Core, this platform ensures high performance, scalability, and security.

The website features a sleek, user-friendly interface that allows customers to effortlessly browse products, manage their shopping carts, and complete transactions with ease.

Making this app was a blast! Thanks to the mentoring from my professor and several courses on Udemy, I've been able to create more personal projects

SUMMARY



THANK YOU

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