Search.cshtml.cs

using System;

using System.Collections.Generic;

using System.Linq;

using System.Threading.Tasks;

using Microsoft.AspNetCore.Mvc;

using Microsoft.AspNetCore.Mvc.RazorPages;

using Microsoft.EntityFrameworkCore;

using RazorPagesMovie.Data;

using RazorPagesMovie.Models;

namespace RazorPagesMovie.Pages.Movies

{

public class SearchModel : PageModel

{

[BindProperty]

public string TitleSearchString { get; set; }

[BindProperty]

public string GenreSearchString { get; set; }

[BindProperty]

public decimal PriceSearchString { get; set; }

private readonly RazorPagesMovie.Data.RazorPagesMovieContext \_context; //connecting to db

public SearchModel(RazorPagesMovie.Data.RazorPagesMovieContext context) //constructor

{

\_context = context;

}

public IList<Movie> Movie { get; set; } //list of movie objects

public async Task OnPostAsync()

{

/\*

var movies = from m in \_context.Movie

select m; //LINQ select = read from table

if(!string.IsNullOrEmpty(TitleSearchString))

{

movies = from m in \_context.Movie

where m.Title.Contains(TitleSearchString)

select m;

}

else if (!string.IsNullOrEmpty(GenreSearchString))

{

movies = from m in \_context.Movie

where m.Genre.Contains(GenreSearchString)

select m;

}

else if (!string.IsNullOrEmpty(PriceSearchString.ToString()))

{

movies = from m in \_context.Movie

where m.Price < PriceSearchString

select m;

}

\*/

var movies = from m in \_context.Movie

select m;

if (!string.IsNullOrEmpty(GenreSearchString) &&!string.IsNullOrEmpty(PriceSearchString.ToString()))

{

movies = from m in \_context.Movie

where m.Genre.Contains(GenreSearchString) &&

m.Price < PriceSearchString

select m;

}

Movie = await movies.ToListAsync(); //contain data in db

}

}

}

Search.cshtml

@page

@model RazorPagesMovie.Pages.Movies.SearchModel

@{

}

<h1>Search Zeph Tan S10223377B</h1>

<form method="post">

<p>

Title: <input type="text" asp-for="TitleSearchString" />

</p>

<p>

Genre: <input type="text" asp-for="GenreSearchString" />

</p>

<p>

Price less than: <input type="text" asp-for="PriceSearchString" />

</p>

<p>

<input type="submit" value="Display"/>

</p>

</form>

@if (Model.Movie != null)

{ <table border="1" cellpadding="="10">

@foreach(var item in Model.Movie)

{

<tr><td>@item.Title</td><td>@item.Price</td></tr>

}

</table>

Movies.cs

using System;

using System.Collections.Generic;

using System.Linq;

using System.Threading.Tasks;

using System.ComponentModel.DataAnnotations;

namespace RazorPagesMovie.Models

{

public class Movie

{

public int ID { get; set; }

public string Title { get; set; }

[DataType(DataType.Date)]

public DateTime ReleaseDate { get; set; }

public string Genre { get; set; }

public decimal Price { get; set; }

}

}

Table

Description automatically generated with medium confidence

Graphical user interface

Description automatically generated

Graphical user interface, application

Description automatically generated