

ΠΑΝΕΠΙΣΤΗΜΙΟ ΠΕΙΡΑΙΩΣ
Τμήμα Πληροφορικής

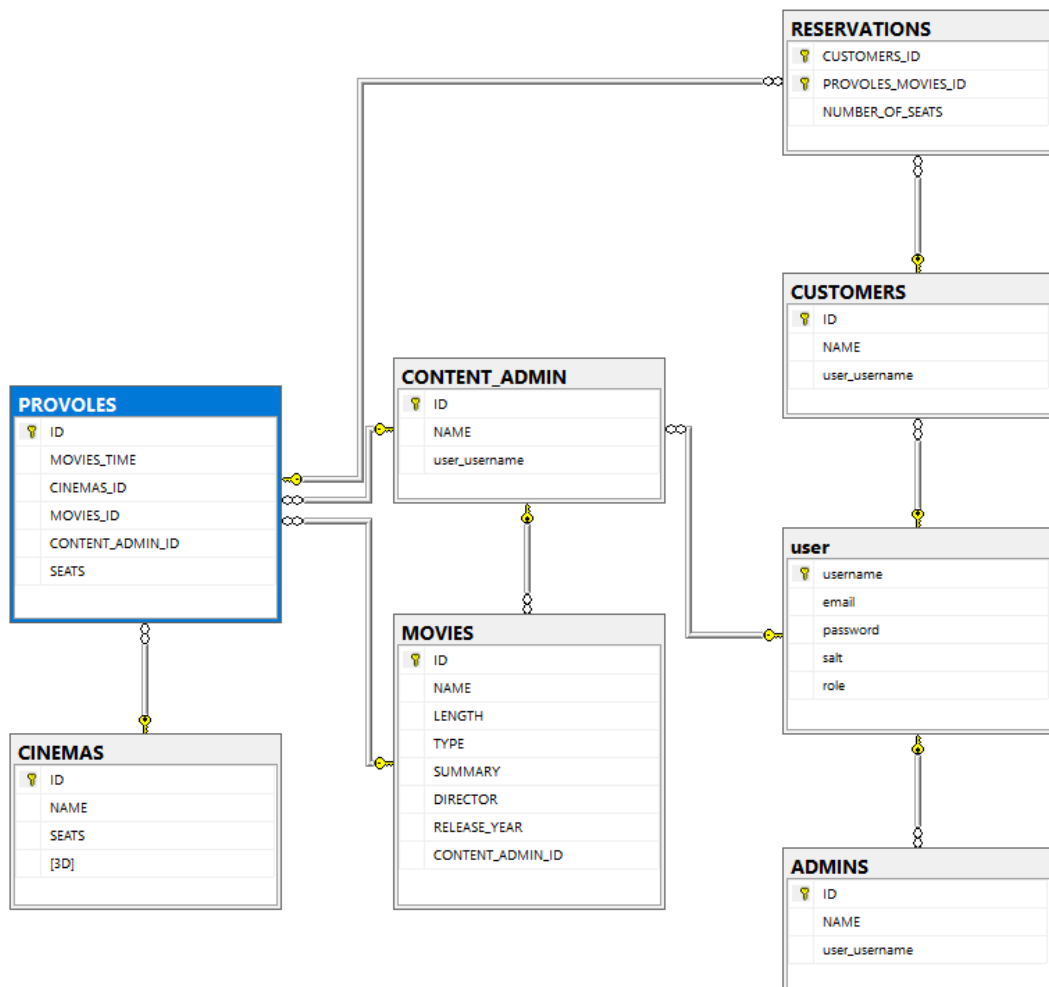


Εργασία Μαθήματος **Σύγχρονα Θέματα**
Τεχνολογίας Λογισμικού

Αριθμός εργασίας – Τίτλος εργασίας	ΕΡΓΑΣΙΑ Model View Controller Ακαδημαϊκού Έτους 2023-24
Ονοματεπώνυμο	ΑΝΑΣΤΑΣΙΟΥ ΣΤΥΛΛΙΑΝΗ - ΜΑΡΙΑ
Αριθμός Μητρώου	Π20016

Τεχνικό Εγχειρίδιο

- Διάγραμμα βάσης



Για την σύνδεση της βάσης δεδομένων πραγματοποιήθηκαν οι παρακάτω ενέργειες:

1. Ορισμός του Connection String στο αρχείο appsettings.json

```
h.schemastore.org/appsettings.json
{
  "ConnectionStrings": {
    "DefaultConnection": "Server=localhost;Database=CinemaApp;Trusted_Connection=True;Trust Server Certificate=True;MultipleActiveResultSets=true"
  },
  "Logging": {
    "LogLevel": {
      "Default": "Information",
      "Microsoft.AspNetCore": "Warning"
    }
  },
  "AllowedHosts": "*"
}
```

2. Προσδιορισμός του ConnectionString στο αρχείο Program.cs

```
// My DI for EF
builder.Services.AddDbContext<DbContext>(options =>
    options.UseSqlServer(builder.Configuration.GetConnectionString("DefaultConnection")));
var app = builder.Build();
```

3. Τέλος για την δημιουργία των μοντέλων εκτελούμε την παρακάτω εντολή στον Package Manager Console.

Scaffold-DbContext -f

"Server=localhost;Database=Lab_db;

Trusted_Connection=True;Trust Server Certificate=True"

Microsoft.EntityFrameworkCore.SqlServer -OutputDir

Models -Context "LabDbContext" -DataAnnotations

Παράδειγμα του μοντέλου Cinemas

```
namespace CinemaApp.Models;

[Table("CINEMAS")]
3 references | Stella Anast, 2 days ago | 2 authors, 2 changes
public partial class Cinema
{
    [Key]
    [Column("ID")]
    1 reference | Kater17, 10 days ago | 1 author, 1 change
    public int Id { get; set; }

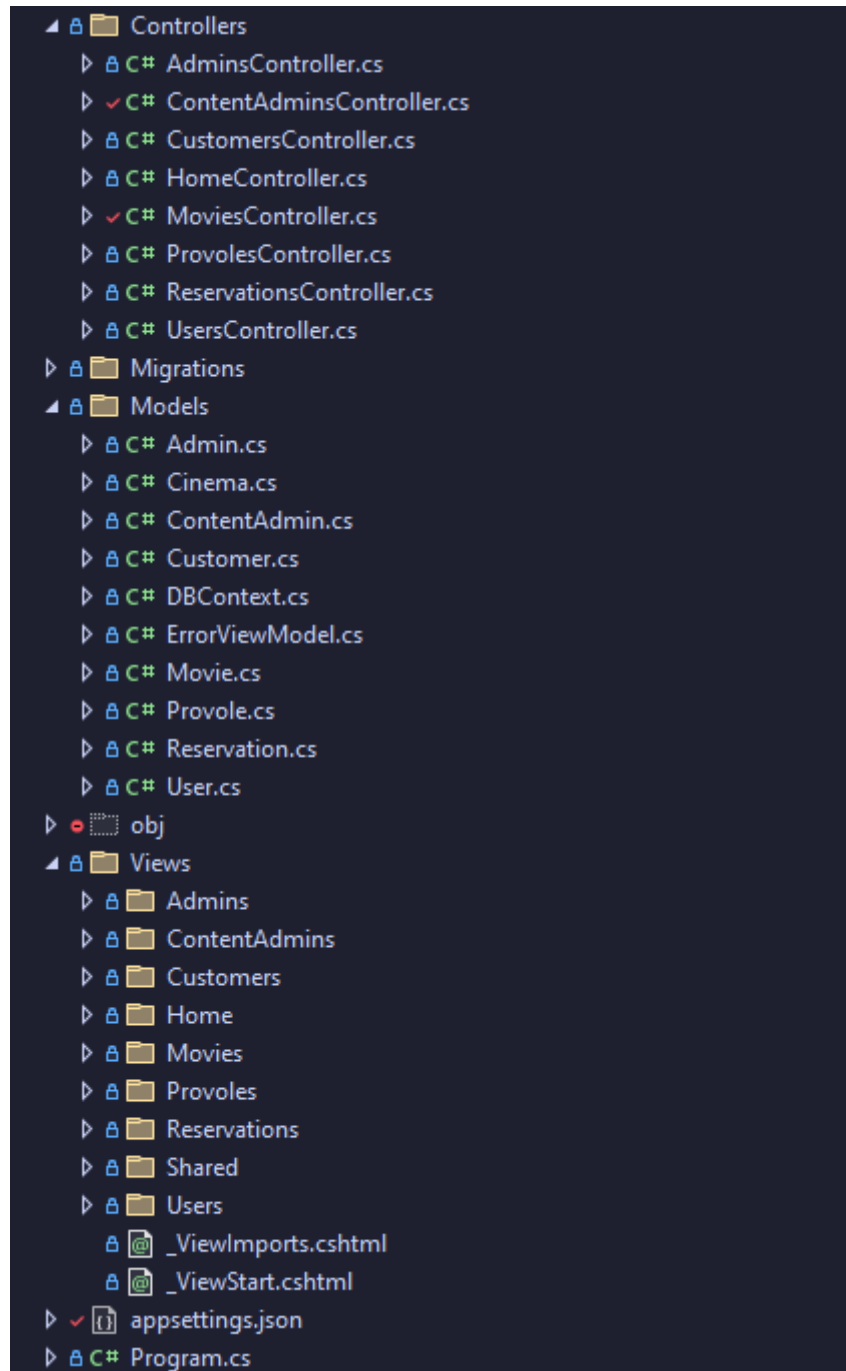
    [Column("NAME")]
    [StringLength(45)]
    [Unicode(false)]
    3 references | Kater17, 10 days ago | 1 author, 1 change
    public string Name { get; set; } = null!;

    [Column("SEATS")]
    1 reference | Stella Anast, 2 days ago | 2 authors, 2 changes
    public int Seats { get; set; }

    [Column("3D")]
    [StringLength(45)]
    [Unicode(false)]
    2 references | Kater17, 10 days ago | 1 author, 1 change
    public string _3d { get; set; } = null!;

    [InverseProperty("Cinemas")]
    1 reference | Kater17, 10 days ago | 1 author, 1 change
    public virtual ICollection<Provole> Provokes { get; set; } = new List<Provole>();
}
```

Controllers,Models,Views



Πακέτα

- Microsoft.EntityFrameworkCore.Tools
- Microsoft.EntityFrameworkCore.SqlServer
- Microsoft.VisualStudio.Web.CodeGeneration.Design

Εγχειρίδιο Χρήστη

Αρχική σελίδα

CinemaApp [Home](#) [Login](#) [Registration](#) [Privacy](#)

Welcome to Cinema Ticket Buying App

Explore and enjoy the latest movies in our theaters. Buy your tickets online for a seamless experience.

[Learn more about our ASP.NET Core web app.](#)

© 2024 - CinemaApp - [Privacy](#)

Φόρμα εγγραφής

CinemaApp [Home](#) [Login](#) [Registration](#) [Privacy](#)

Register Form

Username

Enter your username

Email

Enter your email

Password

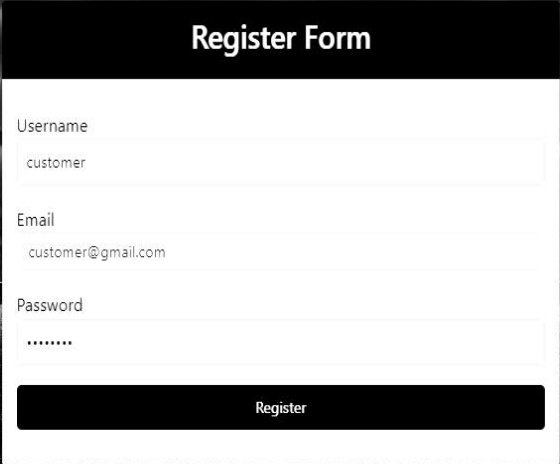
Enter your password

Register

© 2024 - CinemaApp - [Privacy](#)

Πελάτης

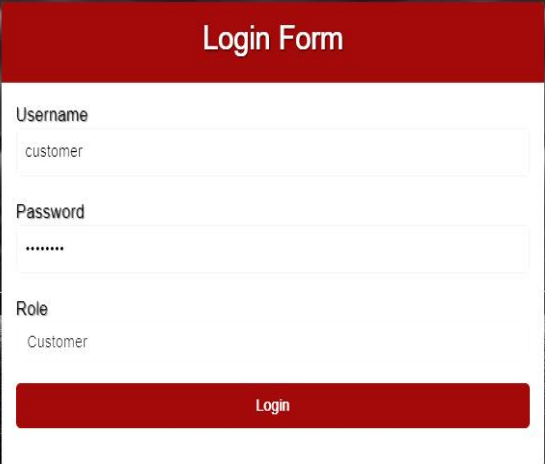
Παράδειγμα εγγραφής χρήστη με ρόλο πελάτη



A registration form titled "Register Form" is displayed over a background of black leather seats. The form has a black header with the title in white. It contains three input fields: "Username" with the value "customer", "Email" with the value "customer@gmail.com", and "Password" with masked characters "*****". A black "Register" button is at the bottom.

Register Form	
Username	customer
Email	customer@gmail.com
Password	*****
Register	

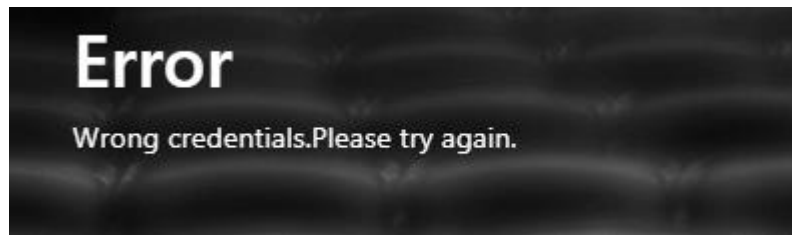
Παράδειγμα για σύνδεση του χρήστη που δημιουργήσαμε



A login form titled "Login Form" is displayed over the same background of black leather seats. The form has a red header with the title in white. It contains three input fields: "Username" with the value "customer", "Password" with masked characters "*****", and "Role" with the value "Customer". A red "Login" button is at the bottom.

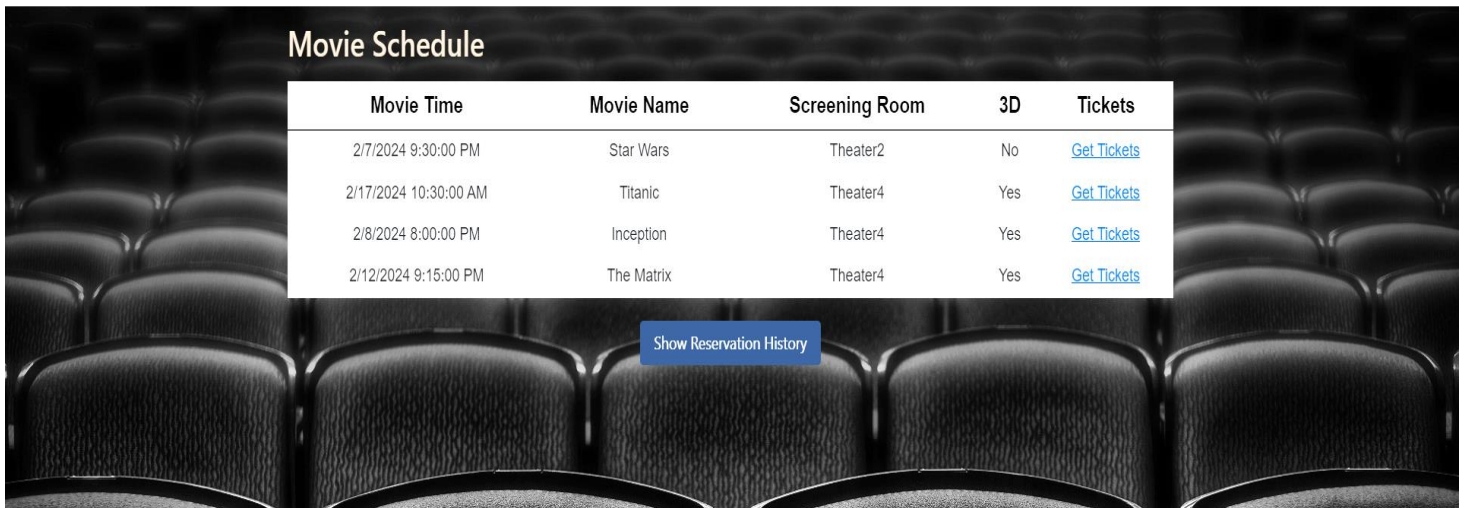
Login Form	
Username	customer
Password	*****
Role	Customer
Login	

Μήνυμα σε περίπτωση που ο χρήστης δώσει εσφαλμένα στοιχεία



Προβολή του προγράμματος των προβολών στον πελάτη

CinemaApp Home Login Registration Privacy

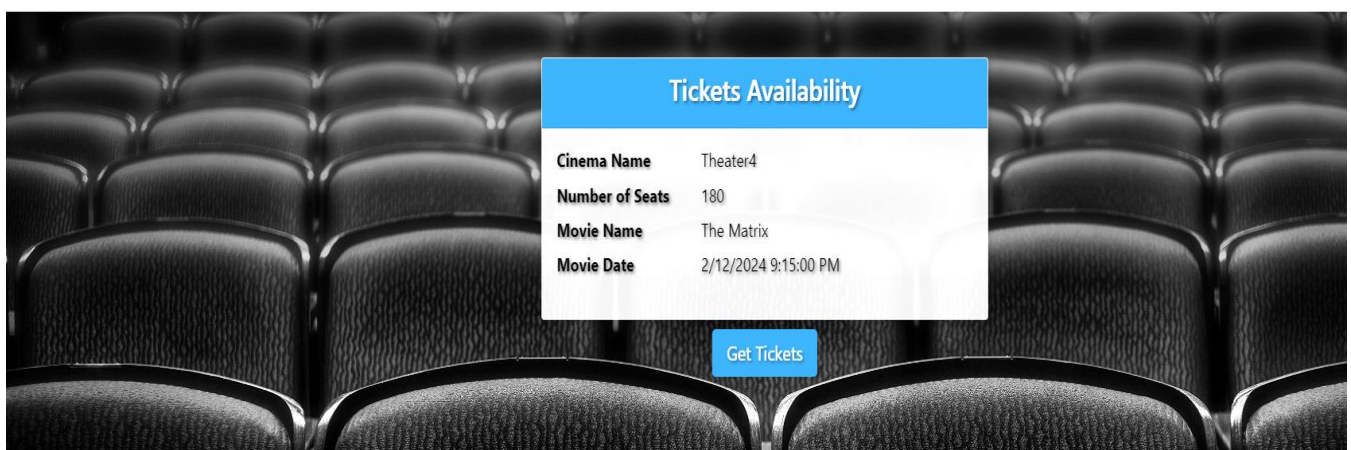
A screenshot of a movie schedule interface. The background is a dark, textured image of theater seats. A white table is centered on the screen. The table has five columns: "Movie Time", "Movie Name", "Screening Room", "3D", and "Tickets". There are four rows of movie listings. Below the table is a blue button with white text that says "Show Reservation History".

Movie Time	Movie Name	Screening Room	3D	Tickets
2/7/2024 9:30:00 PM	Star Wars	Theater2	No	Get Tickets
2/17/2024 10:30:00 AM	Titanic	Theater4	Yes	Get Tickets
2/8/2024 8:00:00 PM	Inception	Theater4	Yes	Get Tickets
2/12/2024 9:15:00 PM	The Matrix	Theater4	Yes	Get Tickets

Show Reservation History

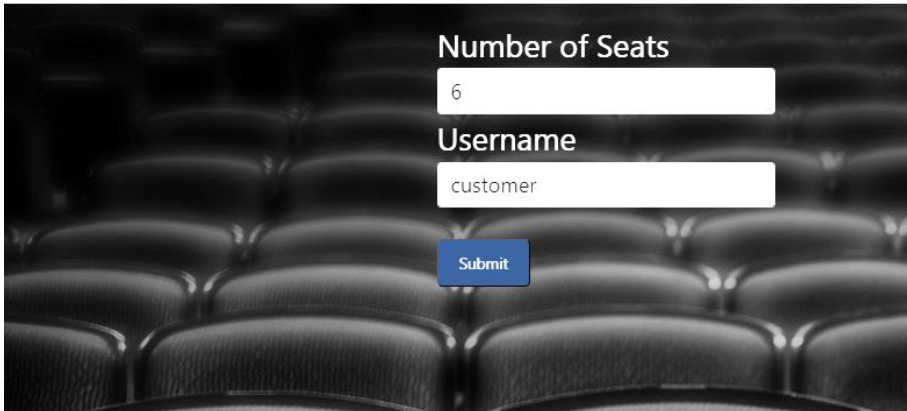
Παράδειγμα προβολής διαθέσιμων εισιτηρίων

CinemaApp Home Login Registration Privacy



Παράδειγμα για την κράτηση των εισιτηρίων

CinemaApp Home Login Registration Privacy



Number of Seats

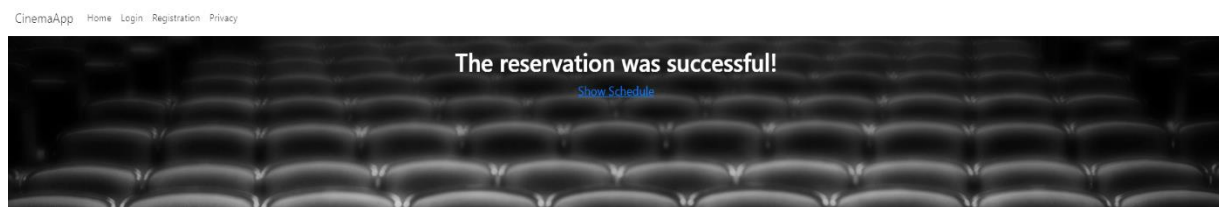
6

Username

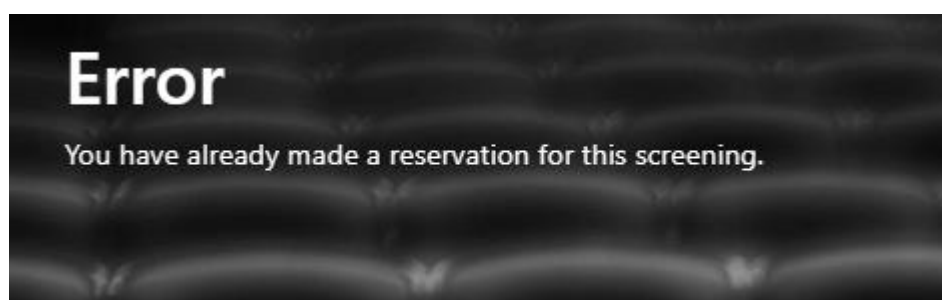
customer

Submit

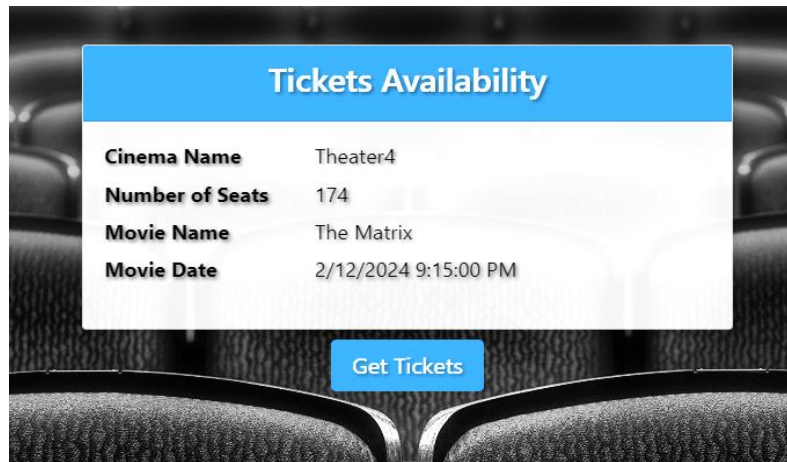
Μήνυμα για την επιβεβαίωση της κράτησης



Μήνυμα σφάλματος σε περίπτωση που ο πελάτης προσπαθήσει να πραγματοποιήσει μια κράτηση σε μια προβολή που έχει ήδη κάνει κράτηση.



Νέα διαθεσιμότητα για την προβολή



Tickets Availability

Cinema Name Theater4

Number of Seats 174

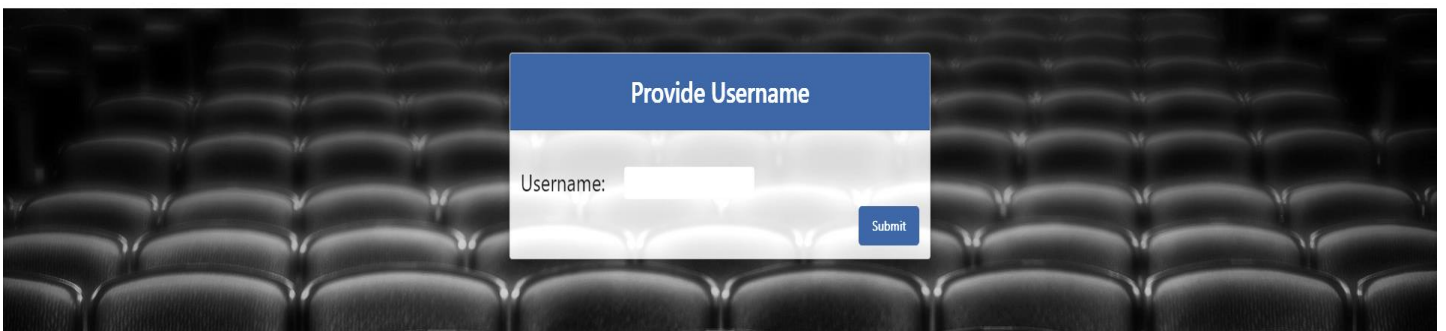
Movie Name The Matrix

Movie Date 2/12/2024 9:15:00 PM

[Get Tickets](#)

Προβολή ιστορικού κρατήσεων

CinemaApp [Home](#) [Login](#) [Registration](#) [Privacy](#)



Provide Username

Username:


[Submit](#)

Reservation History

Customer Name	Number Of Seats	Movie Name
customer	4	Inception
customer	6	The Matrix

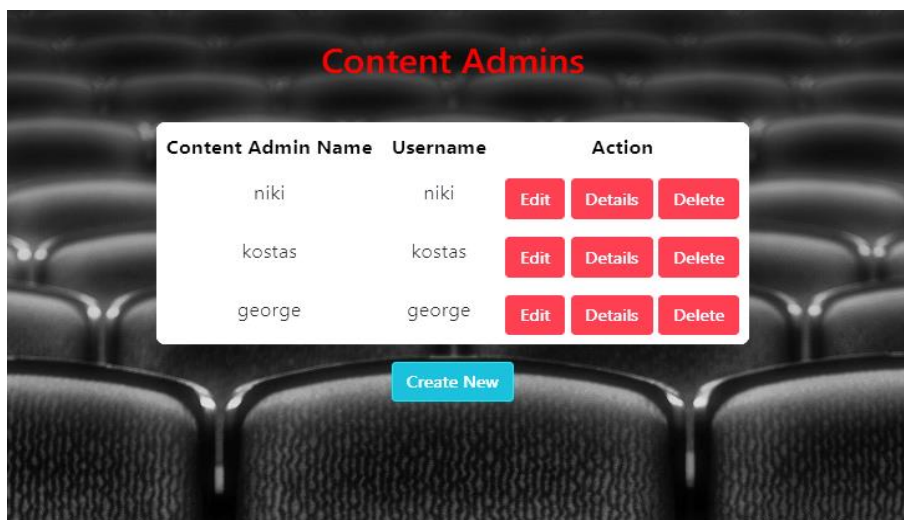
Διαχειριστής εφαρμογής

Σύνδεση του χρήστη admin



A login form titled "Login Form" is displayed on a background of black theater seats. The form has a red header bar with the title. Below the header, there are three input fields: "Username" with the value "admin", "Password" with masked characters "*****", and "Role" with the value "Admin". At the bottom of the form is a red "Login" button.

Προβολή διαχειριστών περιεχομένου



A table titled "Content Admins" is displayed on a background of black theater seats. The table has three columns: "Content Admin Name", "Username", and "Action". It lists three administrators: niki, kostas, and george. Each row has three red buttons: "Edit", "Details", and "Delete". Below the table is a blue "Create New" button.

Content Admin Name	Username	Action
niki	niki	Edit Details Delete
kostas	kostas	Edit Details Delete
george	george	Edit Details Delete

[Create New](#)

Παράδειγμα δημιουργίας διαχειριστή περιεχομένου

Create Content Admin

Username
contentadmin

Email
contentadmin@gmail.com

Password

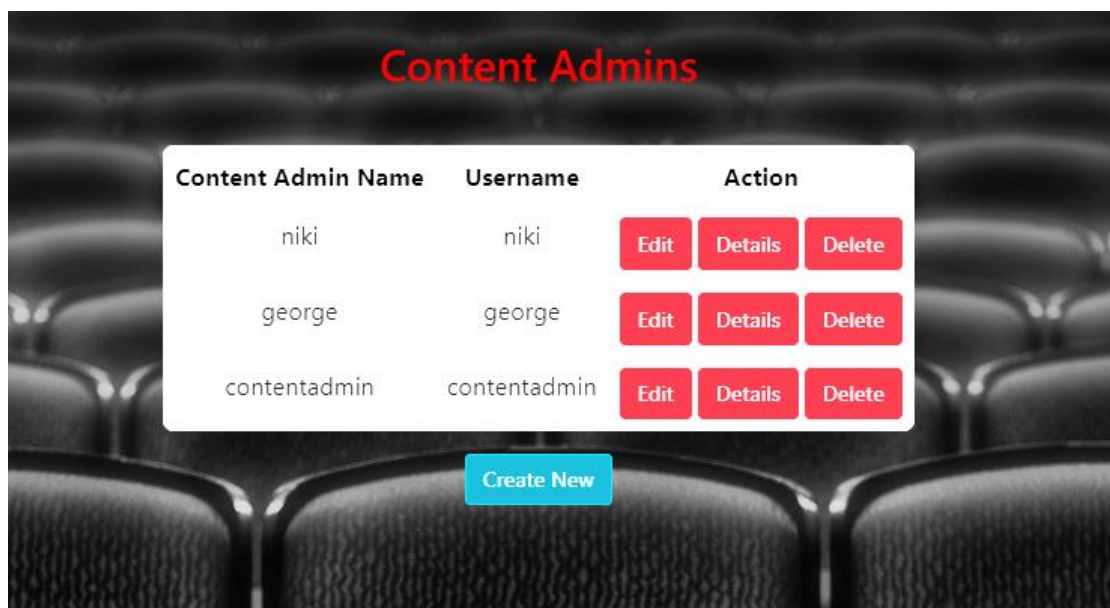
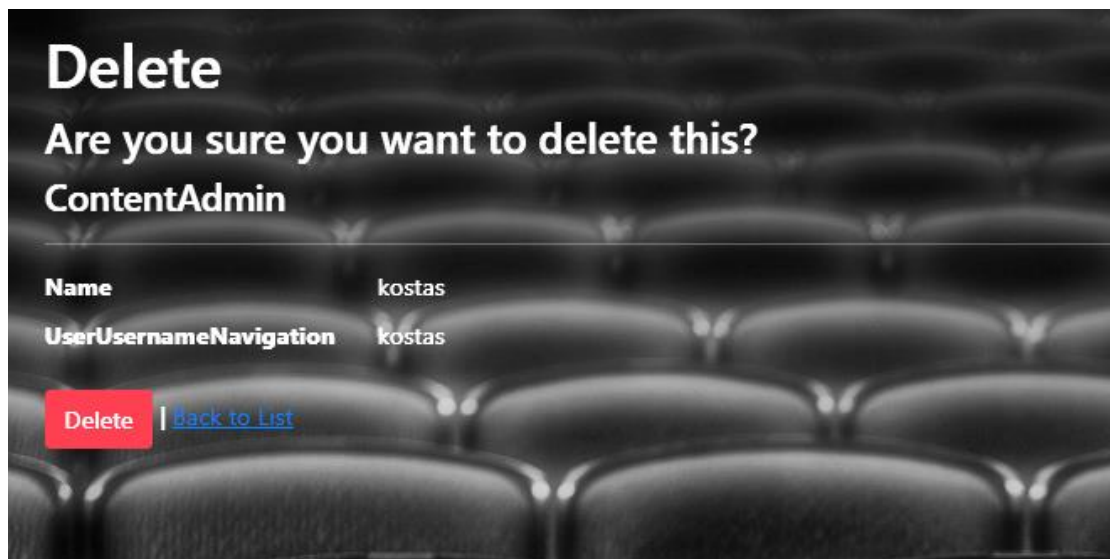
Register

Content Admins

Content Admin Name	Username	Action
niki	niki	Edit Details Delete
kostas	kostas	Edit Details Delete
george	george	Edit Details Delete
contentadmin	contentadmin	Edit Details Delete

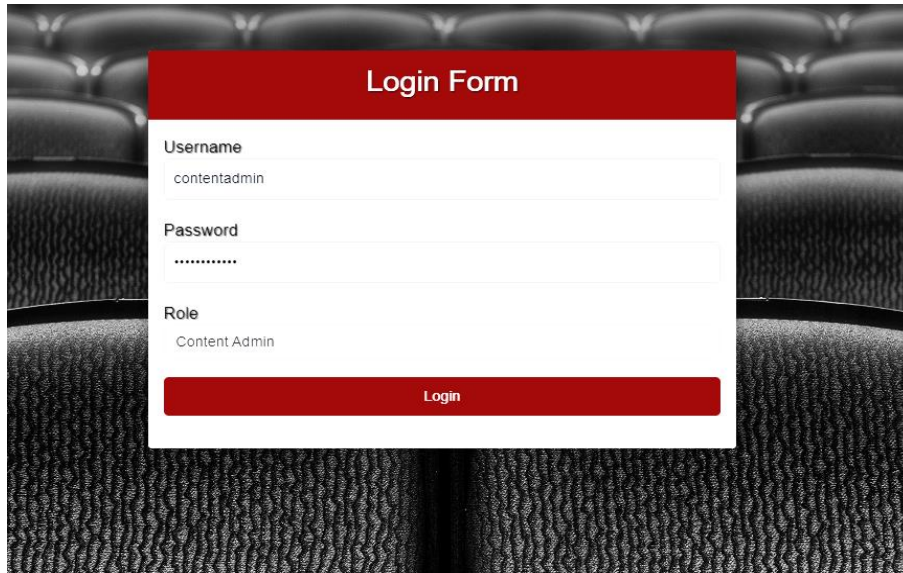
Create New

Παράδειγμα διαγραφής διαχειριστή περιεχομένου



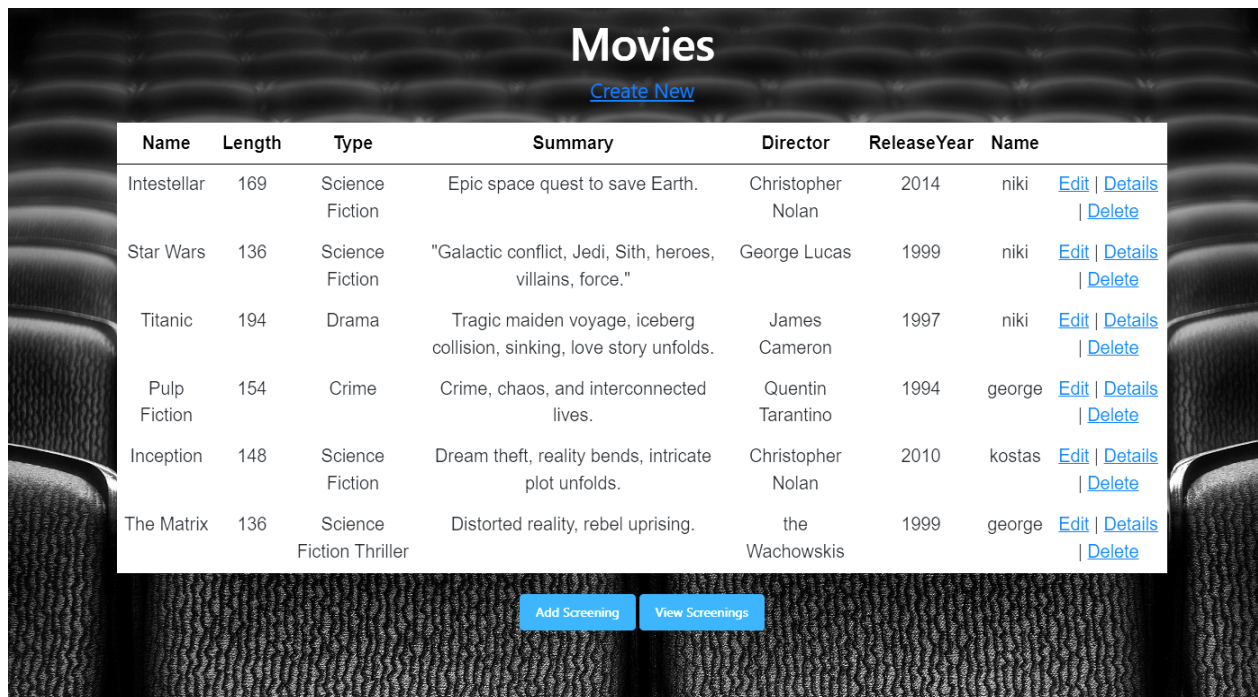
Διαχειριστής περιεχομένου

Παράδειγμα σύνδεσης διαχειριστή περιεχομένου



A login form titled "Login Form" is displayed over a background of black leather theater seats. The form has a white background and a red header. It contains three input fields: "Username" with the value "contentadmin", "Password" with masked characters ".....", and "Role" with the value "Content Admin". A red "Login" button is at the bottom.

Προβολή διαθέσιμων ταινιών



A page titled "Movies" with a "Create New" link. It features a table of movies with columns: Name, Length, Type, Summary, Director, ReleaseYear, and Name. Each row includes links for "Edit", "Details", and "Delete". At the bottom, there are two buttons: "Add Screening" and "View Screenings".

Name	Length	Type	Summary	Director	ReleaseYear	Name	
Interstellar	169	Science Fiction	Epic space quest to save Earth.	Christopher Nolan	2014	niki	Edit Details Delete
Star Wars	136	Science Fiction	"Galactic conflict, Jedi, Sith, heroes, villains, force."	George Lucas	1999	niki	Edit Details Delete
Titanic	194	Drama	Tragic maiden voyage, iceberg collision, sinking, love story unfolds.	James Cameron	1997	niki	Edit Details Delete
Pulp Fiction	154	Crime	Crime, chaos, and interconnected lives.	Quentin Tarantino	1994	george	Edit Details Delete
Inception	148	Science Fiction	Dream theft, reality bends, intricate plot unfolds.	Christopher Nolan	2010	kostas	Edit Details Delete
The Matrix	136	Science Fiction Thriller	Distorted reality, rebel uprising.	the Wachowskis	1999	george	Edit Details Delete

Δημιουργία ταινίας

Create Movie

Name
Harry Potter and the Philosopher's Stone

Length
152

Type
Fantasy

Summary
Young wizard discovers powers

Director
Chris Columbus

ReleaseYear
2001

Select Content Admin
contentadmin

[Create](#)

[Back to List](#)

Movies

[Create New](#)

Name	Length	Type	Summary	Director	ReleaseYear	Name	
Intestellar	169	Science Fiction	Epic space quest to save Earth.	Christopher Nolan	2014	niki	Edit Details Delete
Star Wars	136	Science Fiction	"Galactic conflict, Jedi, Sith, heroes, villains, force."	George Lucas	1999	niki	Edit Details Delete
Titanic	194	Drama	Tragic maiden voyage, iceberg collision, sinking, love story unfolds.	James Cameron	1997	niki	Edit Details Delete
Pulp Fiction	154	Crime	Crime, chaos, and interconnected lives.	Quentin Tarantino	1994	george	Edit Details Delete
The Matrix	136	Science Fiction Thriller	Distorted reality, rebel uprising.	the Wachowskis	1999	george	Edit Details Delete
Harry Potter and the Philosopher's Stone	152	Fantasy	Young wizard discovers powers	Chris Columbus	2001	contentadmin	Edit Details Delete

Δημιουργία προβολής

Add Screening

Movie Time

07/02/2024 09:00 μμ

Select Screening Room

Theater6

Select Movie

Harry Potter and the Philosopher's Stone

Select Content Admin

contentadmin

Add Screening

Screenings

Movie Time	Movie Name	Screening Room	3D	Number of seats	Edit Screening
1/12/2024 8:00:00 PM	Star Wars	Theater3	Yes	130	Edit
2/7/2024 9:30:00 PM	Star Wars	Theater2	No	90	Edit
2/17/2024 10:30:00 AM	Titanic	Theater4	Yes	170	Edit
2/7/2024 9:00:00 PM	Harry Potter and the Philosopher's Stone	Theater6	Yes	160	Edit

Παράδειγμα αλλαγής ώρας προβολής για την ταινία
Harry Potter and the Philosopher's Stone.

Edit Screening Time

Movie Time

07/02/2024 09:30 μμ

Save

Back to List

Screenings					
Movie Time	Movie Name	Screening Room	3D	Number of seats	Edit Screening
1/12/2024 8:00:00 PM	Star Wars	Theater3	Yes	130	Edit
2/7/2024 9:30:00 PM	Star Wars	Theater2	No	90	Edit
2/17/2024 10:30:00 AM	Titanic	Theater4	Yes	170	Edit
2/7/2024 9:30:00 PM	Harry Potter and the Philosopher's Stone	Theater6	Yes	160	Edit