

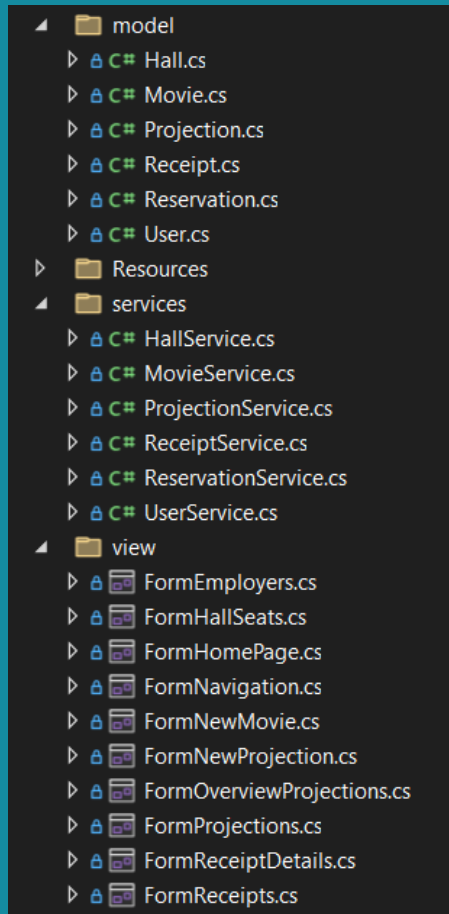
# Kino

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# Opis zadatka

- aplikacija koja se koristi na blagajni kina s više dvorana
- mora moći prikazivati podatke o svakoj dvorani, tip dvorane, termine u kojima se prikazuje koji film, broj zauzetih sjedala i sl.
- omogućiti i grafički prikaz svake dvorane u terminu prikazivanja nekog filma pri čemu se treba vidjeti zauzetost sjedala te mora biti moguć odabir sjedala i preko tog načina prikaza.
- u bazi se čuvaju i podaci o svim filmovima koji se prikazuju u kinu ili će se uskoro prikazivati te je moguće na zahtjev prikazati i te informacije.
- moguće je i izraditi te isprintati račun.
- aplikacija prati i zaduženja osoblja kina

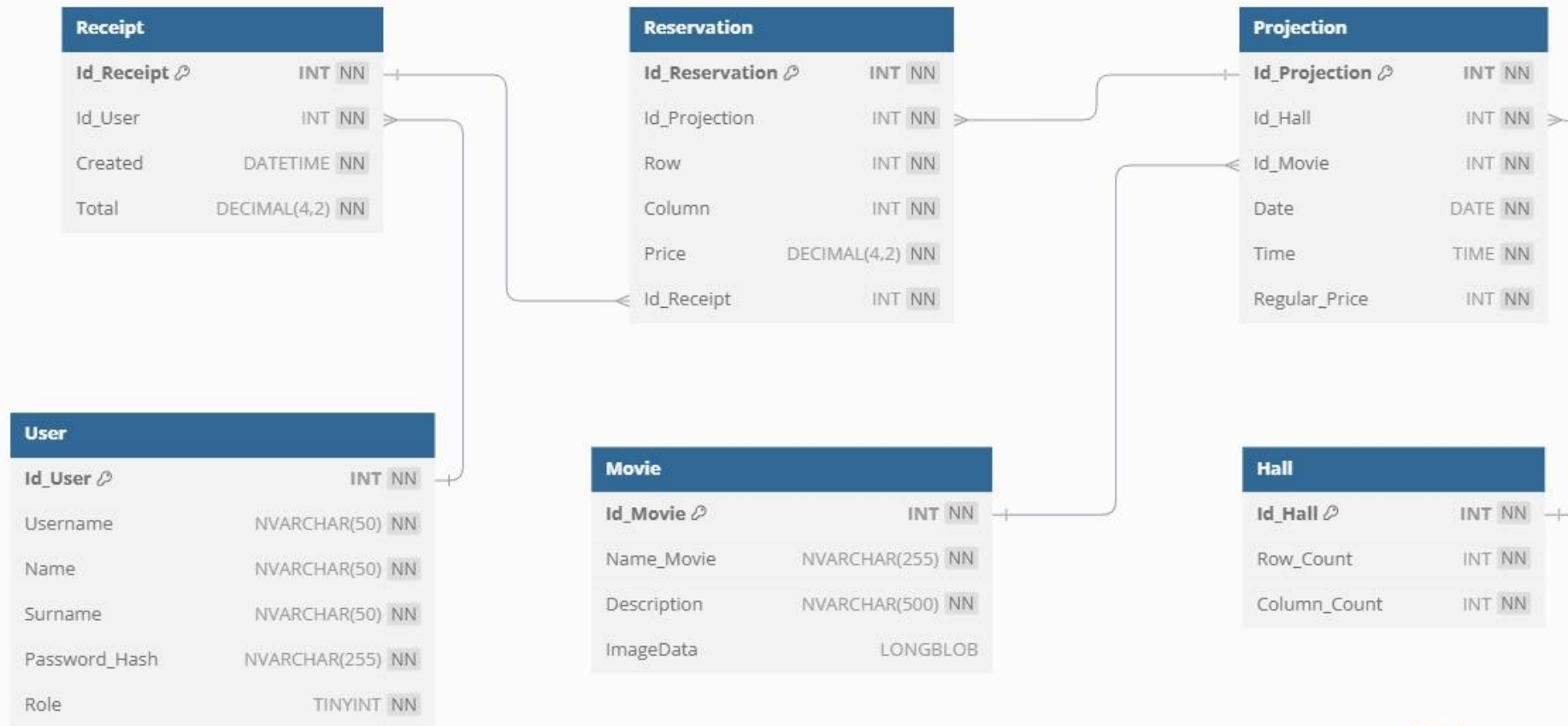
# Organizacija koda



FormLogin.cs  
FormRegister.cs

- Project root : Forme za prijavu i registraciju te mape model, Resources, services i view
- Model : klase za podatke pojedinih tablica
- Resources : slike filmova ubačenih u bazu i slike sjedala različitih boja koje se izmjenjuju kod rezervacije
- Services : klase za komunikaciju s bazom podataka, posebna klasa za svaku tablicu baze, sadrže sve potrebne funkcije za unos, brisanje i dohvat podataka (sa raznim filterima i sortiranjima)
- View : sve forme koje korisnik vidi

# ER diagram baze podataka



# Baza podataka – tablica User / klasa User

- Podaci o korisnicima aplikacije (osoblju kina)
- Primarni ključ: ID korisnika (autoinkrement)
- Korisničko ime, ime, prezime, hash-lozinka, i uloga (zaposlenik(1) / administrator(2))

```
41 references
public class User
{
    3 references
    public int IdUser { get; set; }
    4 references
    public string Username { get; set; }
    4 references
    public string Name { get; set; }
    4 references
    public string Surname { get; set; }
    1 reference
    public string PasswordHash { get; set; }
    4 references
    public int Role { get; set; }

    5 references
    public User(int idUser, string username, string name, string surname, string passwordHash, int role)
    {
        IdUser = idUser;
        Username = username;
        Name = name;
        Surname = surname;
        PasswordHash = passwordHash;
        Role = role;
    }
}
```

| Id_User | Username | Name  | Surname | Password_Hash    | Role |
|---------|----------|-------|---------|------------------|------|
| 1       | mirko123 | Mirko | Mirić   | d871fe7ad3bc2... | 1    |
| 2       | ana123   | Ana   | Anić    | 821ebdf82f6e0... | 2    |
| 3       | pero123  | Pero  | Perić   | 10313051b6007... | 1    |
| 4       | maja123  | Maja  | Majić   | 82c3885d322a7... | 2    |

```
CREATE TABLE [dbo].[User] (
    [Id_User] INT IDENTITY (1, 1) NOT NULL,
    [Username] NVARCHAR (50) NOT NULL,
    [Name] NVARCHAR (50) NOT NULL,
    [Surname] NVARCHAR (50) NOT NULL,
    [Password_Hash] NVARCHAR (255) NOT NULL,
    [Role] TINYINT NOT NULL,
    CONSTRAINT [PK_User] PRIMARY KEY CLUSTERED ([Id_User] ASC)
);
```

# Baza podataka – tablica Movie / klasa Movie

- Podaci o filmovima (koji se trenutno prikazuju ili će se uskoro prikazivati)
- Primarni ključ: ID filma (autoinkrement)
- Naslov, kratki opis i ImageData plakata (byte array koji je NULL za slike spremljene direktno u Resources, a posprema se za novododane filmove)

```
25 references
public class Movie
{
    3 references
    public int IdMovie { get; set; }
    8 references
    public string NameMovie { get; set; }
    2 references
    public string Description { get; set; }
    5 references
    public byte[] ImageData { get; set; }

    5 references
    public Movie(int idMovie, string nameMovie, string description, byte[] imageData)
    {
        IdMovie = idMovie;
        NameMovie = nameMovie;
        Description = description;
        ImageData = imageData;
    }
}
```

| Id_Movie | Name_Movie         | Description         | ImageData |
|----------|--------------------|---------------------|-----------|
| 1        | Mufasa: The Lio... | Simba, having b...  | NULL      |
| 2        | We live in time    | An up-and-com...    | NULL      |
| 3        | Sonic the Hedg...  | Sonic the Hedg...   | NULL      |
| 4        | Better man         | Better Man look...  | NULL      |
| 5        | Wicked             | Elphaba, a misu...  | NULL      |
| 6        | Moana 2            | After receiving ... | NULL      |

```
CREATE TABLE [dbo].[Movie] (
    [Id_Movie] INT IDENTITY (1, 1) NOT NULL,
    [Name_Movie] NVARCHAR (255) NOT NULL,
    [Description] NVARCHAR (500) NOT NULL,
    [ImageData] VARBINARY (MAX) NULL,
    CONSTRAINT [PK_Movie] PRIMARY KEY CLUSTERED ([Id_Movie] ASC)
);
```

# Baza podataka – tablica Hall / klasa Hall

- Podaci o kinodvoranama
- Primarni ključ: ID dvorane (autoinkrement)
- Broj redova i stupaca (sjedala u redu)

```
13 references
public class Hall
{
    1 reference
    public int IdHall { get; set; }
    5 references
    public int RowCount { get; set; }
    5 references
    public int ColumnCount { get; set; }

    2 references
    public Hall(int idHall, int rowCount, int columnCount)
    {
        IdHall = idHall;
        RowCount = rowCount;
        ColumnCount = columnCount;
    }
}
```

| Id_Hall | Row_Count | Column_Count |
|---------|-----------|--------------|
| 1       | 6         | 8            |
| 2       | 7         | 10           |
| 3       | 7         | 10           |
| 4       | 6         | 8            |

```
CREATE TABLE [dbo].[Hall] (
    [Id_Hall] INT IDENTITY (1, 1) NOT NULL,
    [Row_Count] INT NOT NULL,
    [Column_Count] INT NOT NULL,
    CONSTRAINT [PK_Hall] PRIMARY KEY CLUSTERED ([Id_Hall] ASC)
);
```

# Baza podataka – tablica Projection / klasa Projection

- Podaci o projekcijama
- Primarni ključ: ID projekcije (autoinkrement)
- ID dvorane (strani ključ), ID filma (strani ključ), datum i vrijeme održavanja, regularna cijena karte

56 references

```
public class Projection
```

```
{
```

13 references

```
public int IdProjection { get; set; }
```

13 references

```
public int IdHall { get; set; }
```

7 references

```
public int IdMovie { get; set; }
```

11 references

```
public DateTime Date { get; set; }
```

11 references

```
public TimeSpan Time { get; set; }
```

2 references

```
public int RegularPrice { get; set; }
```

9 references

```
public Projection(int idProjection, int idHall, int idMovie, DateTime date, TimeSpan time, int regularPrice)
```

```
{
```

```
    IdProjection = idProjection;
```

```
    IdHall = idHall;
```

```
    IdMovie = idMovie;
```

```
    Date = date;
```

```
    Time = time;
```

```
    RegularPrice = regularPrice;
```

```
}
```

```
}
```

| Id_Projection | Id_Hall | Id_Movie | Date       | Time     | Regular_Price |
|---------------|---------|----------|------------|----------|---------------|
| 1             | 1       | 1        | 4.1.2025.  | 18:30:00 | 10            |
| 2             | 2       | 2        | 5.1.2025.  | 17:00:00 | 10            |
| 3             | 3       | 3        | 6.1.2025.  | 18:00:00 | 10            |
| 4             | 3       | 4        | 5.1.2025.  | 18:30:00 | 15            |
| 5             | 2       | 5        | 6.1.2025.  | 20:30:00 | 10            |
| 6             | 1       | 2        | 14.1.2025. | 18:00:00 | 15            |
| 7             | 4       | 4        | 15.1.2025. | 19:30:00 | 10            |

```
CREATE TABLE [dbo].[Projection] (
```

```
    [Id_Projection] INT IDENTITY (1, 1) NOT NULL,
```

```
    [Id_Hall] INT NOT NULL,
```

```
    [Id_Movie] INT NOT NULL,
```

```
    [Date] DATE NOT NULL,
```

```
    [Time] TIME (7) NOT NULL,
```

```
    [Regular_Price] INT NOT NULL,
```

```
    CONSTRAINT [PK_Projection] PRIMARY KEY CLUSTERED ([Id_Projection] ASC),
```

```
    CONSTRAINT [FK_Projection_Hall] FOREIGN KEY ([Id_Hall]) REFERENCES [dbo].[Hall] ([Id_Hall]) ON DELETE CASCADE,
```

```
    CONSTRAINT [FK_Projection_Movie] FOREIGN KEY ([Id_Movie]) REFERENCES [dbo].[Movie] ([Id_Movie]) ON DELETE CASCADE
```

```
);
```



# Baza podataka – tablica Reservation / klasa Reservation

- Podaci o rezervacijama sjedala (pojedini redak u tablici predstavlja rezervaciju jednog sjedala)
- Primarni ključ: ID rezervacije (autoinkrement)
- ID projekcije (strani ključ), red i stupac (broj sjedala u redu), cijena i ID računa (strani ključ) na kojemu se nalazi rezervacija

22 references

```
public class Reservation
{
    1 reference
    public int IdReservation { get; set; }
    2 references
    public int IdProjection { get; set; }
    2 references
    public int Row { get; set; }
    2 references
    public int Column { get; set; }
    2 references
    public decimal Price { get; set; }
    1 reference
    public int IdReceipt { get; set; }
}
```

6 references

```
public Reservation(int idReservation, int idProjection, int row, int column, decimal price, int idReceipt)
{
    IdReservation = idReservation;
    IdProjection = idProjection;
    Row = row;
    Column = column;
    Price = price;
    IdReceipt = idReceipt;
}
```

```
CREATE TABLE [dbo].[Reservation] (
    [Id_Reservation] INT IDENTITY (1, 1) NOT NULL,
    [Id_Projection] INT NOT NULL,
    [Row] INT NOT NULL,
    [Column] INT NOT NULL,
    [Price] DECIMAL (4, 2) NOT NULL,
    [Id_Receipt] INT NOT NULL,
    CONSTRAINT [PK_Reservation] PRIMARY KEY CLUSTERED ([Id_Reservation] ASC),
    CONSTRAINT [FK_Reservation_Projection] FOREIGN KEY ([Id_Projection]) REFERENCES [dbo].[Projection] ([Id_Projection]) ON DELETE CASCADE,
    CONSTRAINT [FK_Reservation_Receipt] FOREIGN KEY ([Id_Receipt]) REFERENCES [dbo].[Receipt] ([Id_Receipt]) ON DELETE CASCADE
);
```

| Id_Reservation | Id_Projection | Row | Column | Price | Id_Receipt |
|----------------|---------------|-----|--------|-------|------------|
| 1              | 1             | 5   | 8      | 10,00 | 1          |
| 2              | 1             | 5   | 7      | 10,00 | 1          |
| 3              | 2             | 2   | 5      | 10,00 | 2          |
| 4              | 3             | 3   | 5      | 10,00 | 3          |
| 5              | 4             | 5   | 4      | 15,00 | 4          |
| 6              | 5             | 2   | 7      | 10,00 | 5          |
| 7              | 6             | 4   | 3      | 15,00 | 6          |
| 8              | 7             | 5   | 2      | 10,00 | 7          |

# Baza podataka – tablica Receipt / klasa Receipt

- Podaci o računima
- Primarni ključ: ID računa (autoinkrement)
- ID zaposlenika (strani ključ) koji je izdao račun, datum i vrijeme kada je izdan račun i ukupni iznos na računu

```
17 references
public class Receipt
{
    7 references
    public int IdReceipt { get; set; }
    4 references
    public int IdUser { get; set; }
    5 references
    public DateTime Created { get; set; }
    4 references
    public decimal Total { get; set; }

    3 references
    public Receipt(int idReceipt, int idUser, DateTime created, decimal total)
    {
        IdReceipt = idReceipt;
        IdUser = idUser;
        Created = created;
        Total = total;
    }
}
```

| Id_Receipt | Id_User | Created            | Total |
|------------|---------|--------------------|-------|
| 1          | 2       | 1.1.2025. 14:45:45 | 20,00 |
| 2          | 1       | 2.1.2025. 15:25:45 | 10,00 |
| 3          | 3       | 2.1.2025. 16:23:45 | 10,00 |
| 4          | 2       | 3.1.2025. 14:40:45 | 15,00 |
| 5          | 4       | 3.1.2025. 15:20:45 | 10,00 |
| 6          | 1       | 6.1.2025. 18:20:45 | 15,00 |
| 7          | 3       | 6.1.2025. 18:30:45 | 10,00 |

```
CREATE TABLE [dbo].[Receipt] (
    [Id_Receipt] INT IDENTITY (1, 1) NOT NULL,
    [Id_User] INT NOT NULL,
    [Created] DATETIME2 (7) DEFAULT (sysdatetime()) NOT NULL,
    [Total] DECIMAL (4, 2) NOT NULL,
    CONSTRAINT [PK_Receipt] PRIMARY KEY CLUSTERED ([Id_Receipt] ASC),
    CONSTRAINT [FK_Receipt_User] FOREIGN KEY ([Id_User]) REFERENCES [dbo].[User] ([Id_User])
);
```

# Forma za registraciju (FormRegister)

The image shows a registration form titled "Get Started" with a blue header. In the top right corner, there is a small grey button labeled "EXIT". The form contains the following elements:

- First Name:** A text input field containing "Ana".
- Last Name:** A text input field containing "Anić".
- Username:** A text input field containing "ana123".
- Password:** A password input field with masked characters "\*\*\*\*\*".
- Confirm Password:** A password input field with masked characters "\*\*\*\*\*".
- Show Password:** A checkbox with the label "Show Password".
- REGISTER:** A blue button.
- CLEAR:** A grey button.
- Already Have An Account:** Text followed by a blue link "Go to LOGIN".

- Prilikom pokretanja aplikacije, otvara se forma za registraciju
  - Potrebno je upisati ime, prezime, korisničko ime, lozinku i ponoviti istu tu lozinku, one su prilikom upisivanja skrivene pomoću zvjezdica ( \* ), a označavanjem „Show password” lozinke se prikazuju u originalnom obliku
  - Kod kreiranja računa, korisniku se dodjeljuje uloga 1 (zaposlenik)
  - Ako korisnik već ima račun, klikom na „Go to LOGIN” otvara se forma za prijavu
- 
- U gornjem desnom uglu forme (a također i kod forme za prijavu i forme za navigaciju) nalazi se gumb „EXIT” koji zatvara cijelu aplikaciju

# Forma za registraciju (FormRegister)

Get Started

EXIT

First Name  
Aنا

Last Name  
Anić

Username  
ana123

Password  
aninasifra123

Confirm Password  
aninasifra123

☒ Show Password

REGISTER

CLEAR

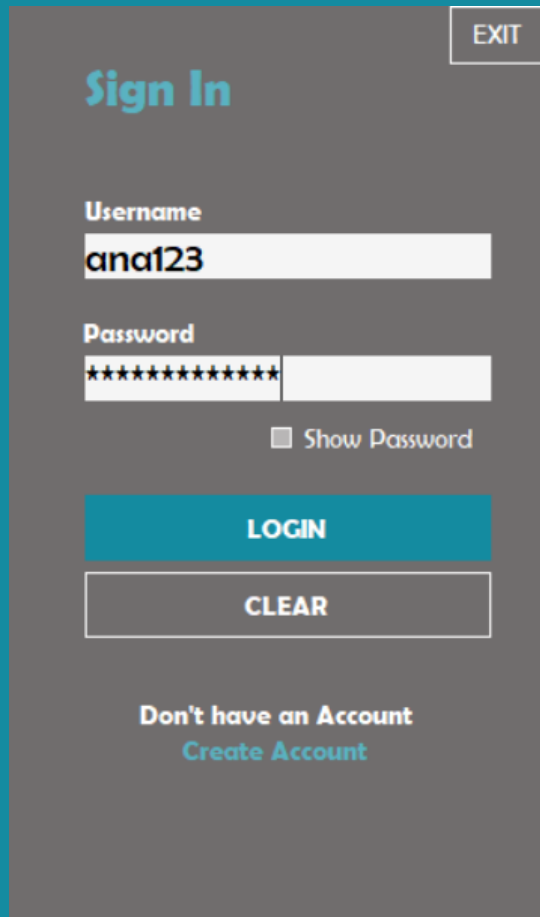
Already Have An Account  
Go to LOGIN

User with username ana123 already exists.

## UVJETI:

- Korisničko ime mora imati barem 3 i ne više od 20 znakova, a dopušteni znakovi su slova, znamenke i donja crta ( \_ )
- Ime i prezime moraju sadržavati barem jedno i ne više od 20 slova
- Lozinka mora sadržavati minimalno 8 znakova od kojih mora biti barem 1 slovo i barem 1 broj
- Klikom na gumb „REGISTER” provjeravaju se navedeni uvjeti, postoji li korisnik s navedenim korisničkim imenom te poklapaju li se lozinka i ponovljena lozinka
- Ako je sve u redu, novi korisnik se ubacuje u bazu te je spreman za prijavu, inače se na dnu forme prikazuje pripadajuća poruka ispisana crvenim slovima
- Klikom na gumb „CLEAR” sav tekst se briše iz svih polja te ih je moguće ispuniti ispočetka

# Forma za prijavu (FormLogin)

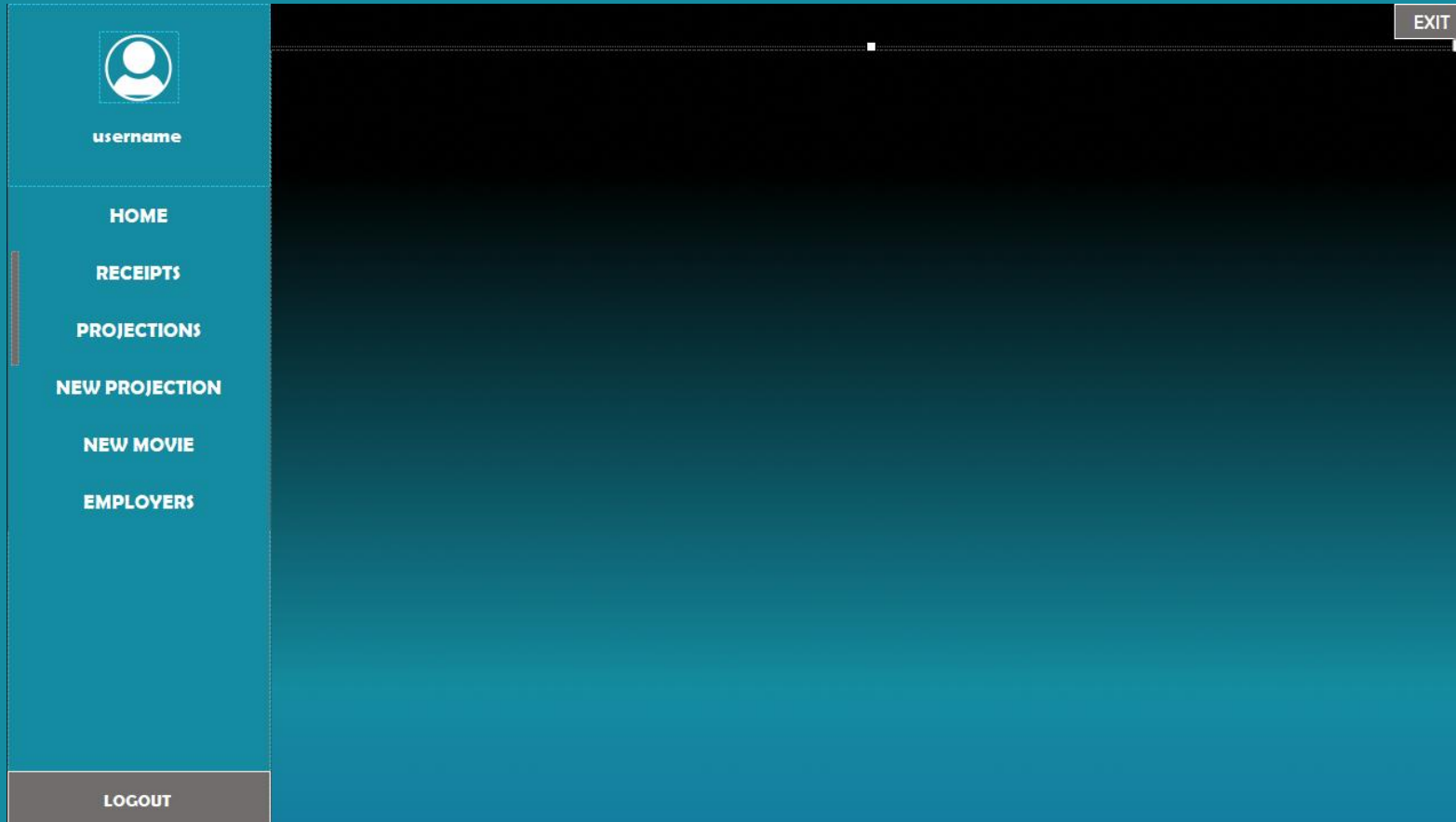


The screenshot shows a login form with a dark gray background. At the top right is an 'EXIT' button. The title 'Sign In' is in blue. Below it are two input fields: 'Username' with the text 'ana123' and 'Password' with masked characters '\*\*\*\*\*'. A 'Show Password' checkbox is below the password field. There are two buttons: a blue 'LOGIN' button and a gray 'CLEAR' button. At the bottom, there is a link 'Don't have an Account Create Account' where 'Create Account' is in blue.

- Potrebno je upisati korisničko ime i lozinku, koje su prilikom upisivanja kao i kod registracije skrivene pomoću zvjezdica te je označavanjem kućice „Show password” moguće vidjeti lozinku u originalnom obliku
- Klikom na gumb „LOGIN” provjerava se odgovaraju li korisničko ime i lozinka nekom korisniku te ako da, otvara se naslovna stranica aplikacije, inače se korisniku ispisuje odgovarajuća poruka
- Klikom na gumb „CLEAR” sav tekst se briše iz svih polja

- Također je moguće, klikom na „Create Account” vratiti se na formu za registraciju

# Forma za navigaciju (FormNavigation)



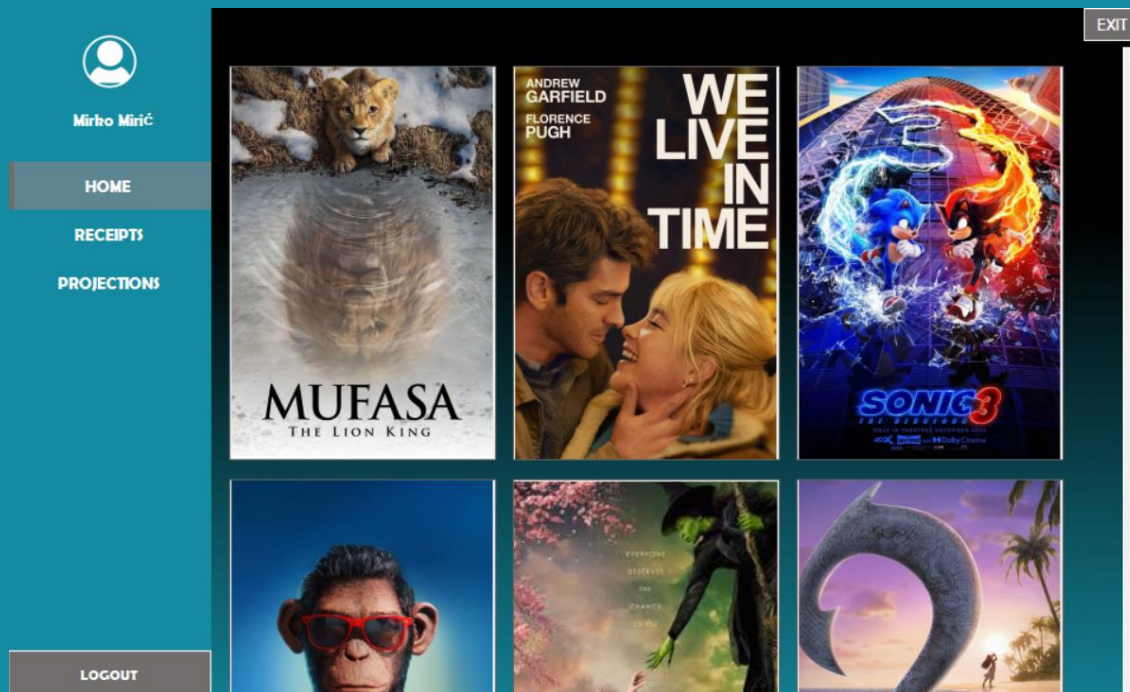
- Sadrži gumbе za sve funkcionalnosti / forme koje korisnik može koristiti
- U desnom dijelu forme (panelu) otvaraju se sve ostale forme

- Klikom na gumb „LOGOUT” korisnik se odjavljuje i prikazuje se forma za prijavu

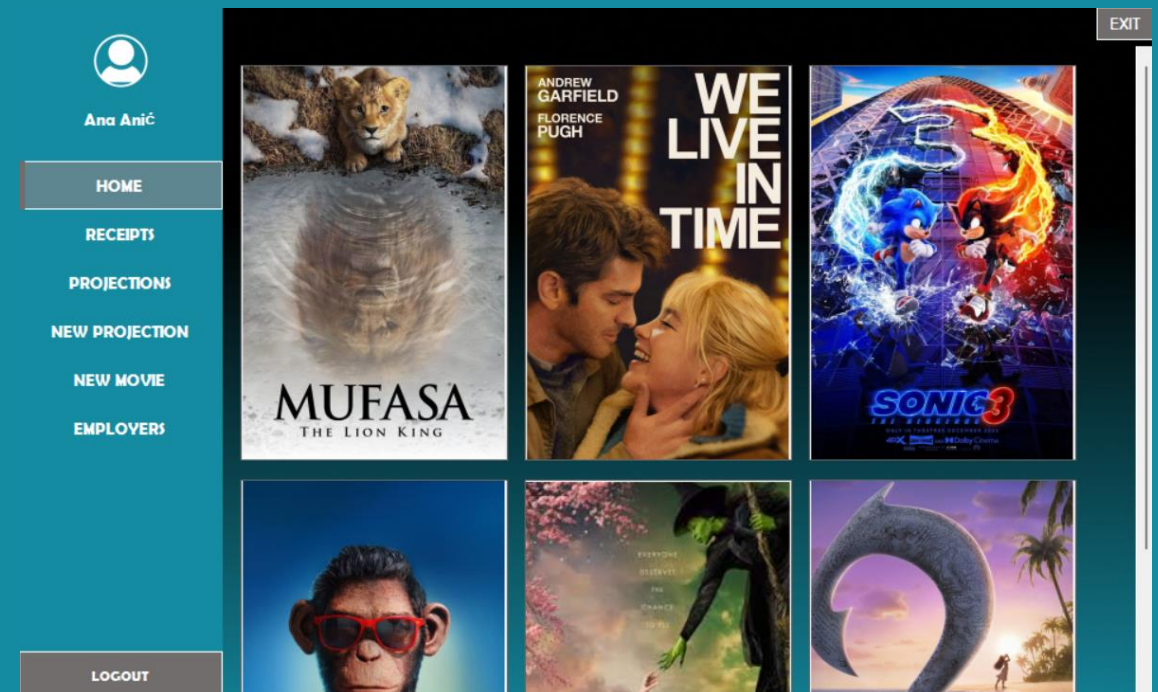


# Naslovna forma (FormHomePage)

- Forma koja se otvara nakon uspješne prijave u aplikaciju
- Vidljivi su samo oni gumbi za forme koje zaposlenik odnosno admin smiju koristiti
- Prikazani su plakati svih filmova u bazi
- Klikom na plakat, prikazuje se forma sa svim projekcijama tog filma

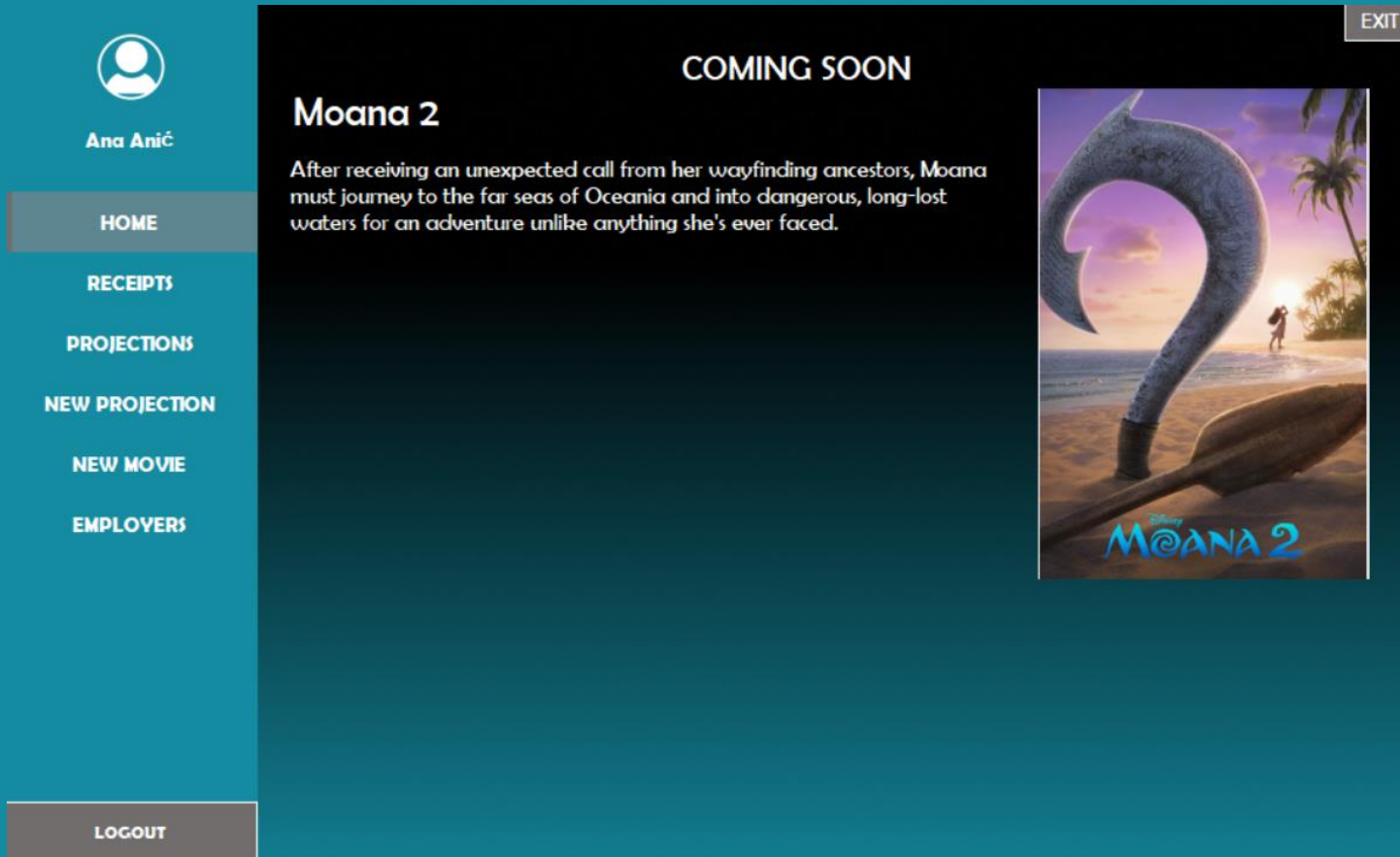


- Username: mirko123
- Password: mirkovasifra123
- Uloga: 1 (zaposlenik)



- Username: ana123
- Password: aninasifra123
- Uloga: 2 (admin)

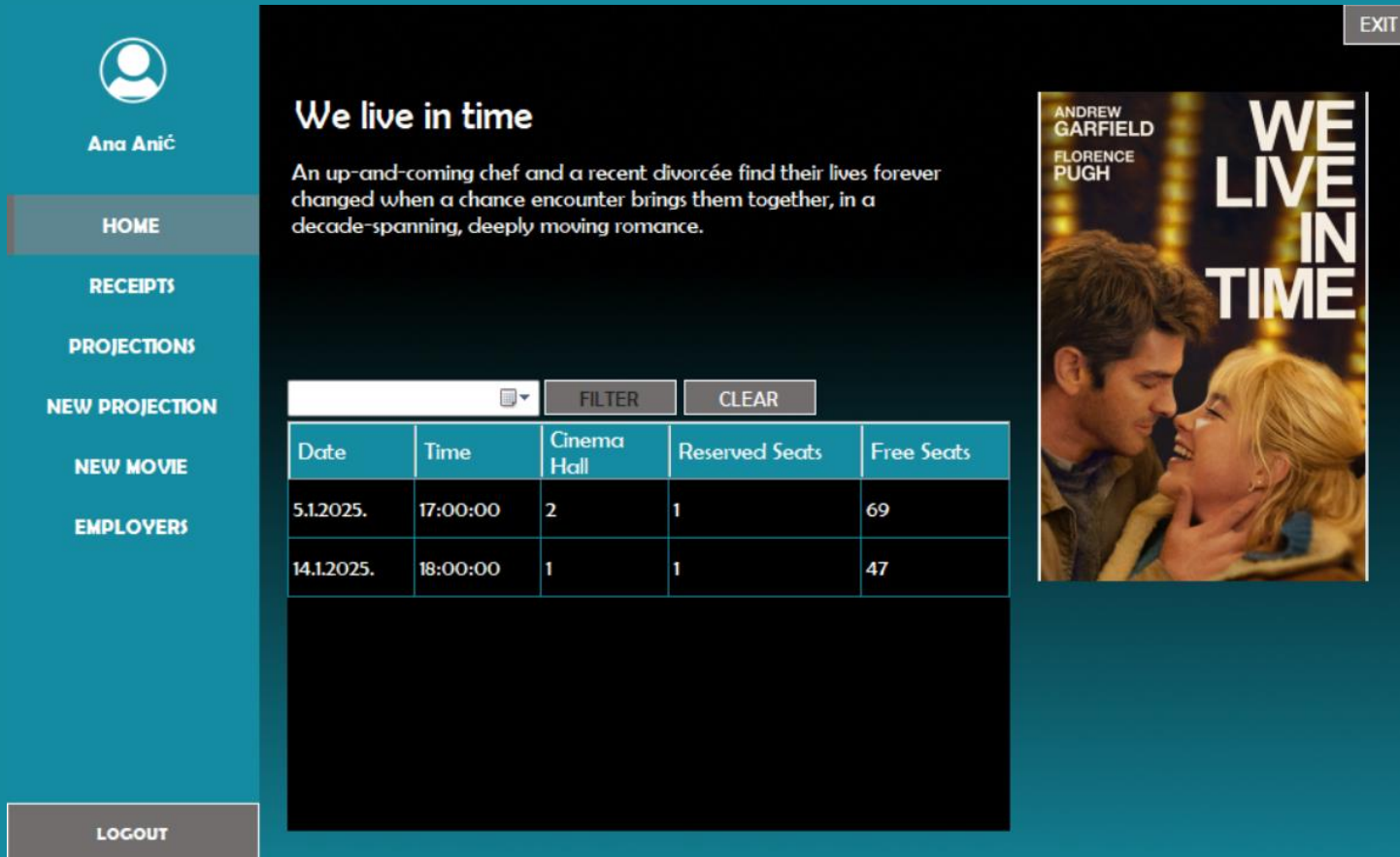
# Forma za projekcije (FormOverviewProjecitons)



- Ako odabrani film trenutno nema definiranih projekcija, prikazuje se samo naslov, opis i plakat odabranog filma uz natpis „COMING SOON”



# Forma za projekcije (FormOverviewProjecitons)



The interface shows a sidebar with navigation links: HOME, RECEIPTS, PROJECTIONS, NEW PROJECTION, NEW MOVIE, and EMPLOYERS. The main content area displays the movie title 'We live in time' with a synopsis: 'An up-and-coming chef and a recent divorcee find their lives forever changed when a chance encounter brings them together, in a decade-spanning, deeply moving romance.' Below the synopsis is a table of projections. The table has columns for Date, Time, Cinema Hall, Reserved Seats, and Free Seats. There are two rows of data: 5.1.2025 at 17:00:00 in Cinema Hall 2 with 1 reserved seat and 69 free seats; and 14.1.2025 at 18:00:00 in Cinema Hall 1 with 1 reserved seat and 47 free seats. Above the table are buttons for FILTER and CLEAR. To the right of the table is a movie poster for 'We live in time' featuring Andrew Garfield and Florence Pugh. At the top right of the main content area is an EXIT button. At the bottom left of the sidebar is a LOGOUT button.

Ana Anić

HOME

RECEIPTS

PROJECTIONS

NEW PROJECTION

NEW MOVIE

EMPLOYERS

LOGOUT

We live in time

An up-and-coming chef and a recent divorcee find their lives forever changed when a chance encounter brings them together, in a decade-spanning, deeply moving romance.

EXIT

| Date       | Time     | Cinema Hall | Reserved Seats | Free Seats |
|------------|----------|-------------|----------------|------------|
| 5.1.2025.  | 17:00:00 | 2           | 1              | 69         |
| 14.1.2025. | 18:00:00 | 1           | 1              | 47         |

ANDREW GARFIELD  
FLORENCE PUGH  
WE LIVE IN TIME

- Prikazuje popis svih projekcija (uz mogućnost filtriranja po datumu) za određeni film
- Klikom na gumb „CLEAR” odabrani datum za filtriranje se briše i prikazuju se sve postojeće projekcije
- Također, retke u tablici je moguće sortirati po svim stupcima
- Klikom na pojedini redak u tablici otvara se forma za rezervaciju sjedala za tu projekciju

# Forma za rezervaciju sjedala (FormHallSeats)

- Prikaz rasporeda sjedala u dvorani
- Slobodna sjedala označena su bijelom bojom, siva su zauzeta, a plava su trenutno odabrana sjedala
- S desne strane prikazan je i popis odabranih sjedala, sa cijenom pojedine karte i ukupnom cijenom
- Cijena karte za prvi red iznosi 80% regularne cijene karte dok posljednji red ima cijenu od 120% regularne cijene

Ana Anić

HOME

RECEIPTS

PROJECTIONS

NEW PROJECTION

NEW MOVIE

EMPLOYERS

LOGOUT

SCREEN

EXIT

We live in time  
Date: 14.01.2025  
Time: 18:00:00

CHECKOUT  
Selected seats:  
Row 1 Seat 6 Price: 12,0  
Row 1 Seat 7 Price: 12,0  
Row 3 Seat 7 Price: 15  
Row 6 Seat 6 Price: 18,0  
Row 6 Seat 7 Price: 18,0  
TOTAL PRICE: 75,0

RESERVE

- Klikom na gumb „RESERVE” prikazuje se račun za odabrane karte

# Forma za detalje računa (FormReceiptDetails)

The screenshot shows a web application interface for receipt details. On the left is a teal sidebar with a user profile icon and name 'Ana Anić' at the top. Below it are menu items: 'HOME' (highlighted), 'RECEIPTS', 'PROJECTIONS', 'NEW PROJECTION', 'NEW MOVIE', and 'EMPLOYERS'. At the bottom of the sidebar is a 'LOGOUT' button. The main content area has a dark background. At the top right of this area is an 'EXIT' button. The receipt details are displayed in white text: 'RECEIPT #8', 'Movie: We live in time', 'Date: 14.01.2025', 'Time: 18:00:00', a 'TICKETS:' section listing five rows with seat and price information, a dashed line separator, 'TOTAL PRICE: 75,00', and creation details 'Created: 19.1.2025. 22:51:57' and 'Employee: Ana Anić'. At the bottom right of the main area are two buttons: 'DELETE' and 'PRINT'.

EXIT

RECEIPT #8

Movie: We live in time  
Date: 14.01.2025  
Time: 18:00:00

TICKETS:

Row 1 Seat 6 Price: 12,00  
Row 1 Seat 7 Price: 12,00  
Row 3 Seat 7 Price: 15,00  
Row 6 Seat 6 Price: 18,00  
Row 6 Seat 7 Price: 18,00

-----

TOTAL PRICE: 75,00

Created: 19.1.2025. 22:51:57  
Employee: Ana Anić

DELETE

PRINT

LOGOUT

- Prikazuje podatke o projekciji za koju su kupljena sjedala, popis sjedala rezerviranih tom kupnjom, datum i vrijeme kada je račun izdan te ime i prezime zaposlenika koji je izdao račun
- Klikom na gumb „DELETE” račun se briše iz sustava, ali i sve rezervacije sjedala s tog računa

# Forma za detalje računa (FormReceiptDetails)

The screenshot displays the 'FormReceiptDetails' application. A 'Print preview' window is open, showing a receipt for 'Movie: We live in time' on 'Date: 14.01.2025' at 'Time: 18:00:00'. The tickets listed are: Row 1 Seat 6 Price: 12,00; Row 1 Seat 7 Price: 12,00; Row 3 Seat 7 Price: 15,00; Row 6 Seat 6 Price: 18,00; and Row 6 Seat 7 Price: 18,00. The total price is 75,00. The receipt was created on '19.1.2025. 22:51:57' by 'Employee: Ana Anić'. The main application window shows the same receipt details and includes buttons for 'DELETE', 'PRINT', and 'EXIT'. A 'LOGOUT' button is also visible in the bottom left corner.

Print preview

Close

Page 1

RECEIPT #8

Movie: We live in time  
Date: 14.01.2025  
Time: 18:00:00

TICKETS:

Row 1 Seat 6 Price: 12,00  
Row 1 Seat 7 Price: 12,00  
Row 3 Seat 7 Price: 15,00  
Row 6 Seat 6 Price: 18,00  
Row 6 Seat 7 Price: 18,00

-----

TOTAL PRICE: 75,00

Created: 19.1.2025. 22:51:57  
Employee: Ana Anić

RECEIPT #8

Movie: We live in time  
Date: 14.01.2025  
Time: 18:00:00

TICKETS:

Row 1 Seat 6 Price: 12,00  
Row 1 Seat 7 Price: 12,00  
Row 3 Seat 7 Price: 15,00  
Row 6 Seat 6 Price: 18,00  
Row 6 Seat 7 Price: 18,00

-----

TOTAL PRICE: 75,00

Created: 19.1.2025. 22:51:57  
Employee: Ana Anić

EXIT

DELETE


PRINT

LOGOUT

- Klikom na gumb „PRINT” otvara se prikaz za ispis računa

# Forma za račune (FormReceipts)

- Sadrži popis svih dosad izdanih računa uz mogućnost filtriranja po datumu izdavanja računa
- Klikom na gumb „view” na kraju retka pojedinog računa otvara se Forma o detaljima računa



Ana Anić

HOME

RECEIPTS

PROJECTIONS

NEW PROJECTION

NEW MOVIE

EMPLOYERS

LOGOUT

EXIT

All receipts

FILTER


CLEAR

| Delete                   | Receipt number | Created             | Username | TotalPrice | Details |
|--------------------------|----------------|---------------------|----------|------------|---------|
| <input type="checkbox"/> | 8              | 19.1.2025. 22:51:57 | ana123   | 75,00      | view    |
| <input type="checkbox"/> | 7              | 6.1.2025. 18:30:45  | pero123  | 10,00      | view    |
| <input type="checkbox"/> | 6              | 6.1.2025. 18:20:45  | mirko123 | 15,00      | view    |
| <input type="checkbox"/> | 5              | 3.1.2025. 15:20:45  | maja123  | 10,00      | view    |
| <input type="checkbox"/> | 4              | 3.1.2025. 14:40:45  | ana123   | 15,00      | view    |
| <input type="checkbox"/> | 3              | 2.1.2025. 16:23:45  | pero123  | 10,00      | view    |
| <input type="checkbox"/> | 2              | 2.1.2025. 15:25:45  | mirko123 | 10,00      | view    |
| <input type="checkbox"/> | 1              | 1.1.2025. 14:45:45  | ana123   | 20,00      | view    |

DELETE SELECTED

# Forma za račune (FormReceipts)

- Moguće je označiti određene račune te ih obrisati klikom na gumb „DELETE SELECTED” koji će biti omogućen tek nakon odabira barem jednog računa
- Nakon (ne)uspješnog brisanja računa, prikazuje prikladna poruka



Ana Anić

HOME

RECEIPTS

PROJECTIONS

NEW PROJECTION

NEW MOVIE

EMPLOYERS

LOGOUT

EXIT


All receipts

FILTER

CLEAR

| Delete                              | Receipt number | Created             | Username | TotalPrice | Details         |
|-------------------------------------|----------------|---------------------|----------|------------|-----------------|
| <input type="checkbox"/>            | 8              | 19.1.2025. 22:51:57 | ana123   | 75,00      | <div>view</div> |
| <input type="checkbox"/>            | 7              | 6.1.2025. 18:30:45  | pero123  | 10,00      | <div>view</div> |
| <input checked="" type="checkbox"/> | 6              | 6.1.2025. 18:20:45  | mirko123 | 15,00      | <div>view</div> |
| <input type="checkbox"/>            | 5              | 3.1.2025. 15:20:45  | maja123  | 10,00      | <div>view</div> |
| <input type="checkbox"/>            | 4              | 3.1.2025. 14:40:45  | ana123   | 15,00      | <div>view</div> |
| <input type="checkbox"/>            | 3              | 2.1.2025. 16:23:45  | pero123  | 10,00      | <div>view</div> |
| <input type="checkbox"/>            | 2              | 2.1.2025. 15:25:45  | mirko123 | 10,00      | <div>view</div> |
| <input type="checkbox"/>            | 1              | 1.1.2025. 14:45:45  | ana123   | 20,00      | <div>view</div> |

DELETE SELECTED



Ana Anić

HOME

RECEIPTS

PROJECTIONS

NEW PROJECTION

NEW MOVIE

EMPLOYERS

LOGOUT

EXIT

Receipt deleted successfully.

All receipts

FILTER

CLEAR

| Delete                   | Receipt number | Created             | Username | TotalPrice | Details         |
|--------------------------|----------------|---------------------|----------|------------|-----------------|
| <input type="checkbox"/> | 8              | 19.1.2025. 22:51:57 | ana123   | 75,00      | <div>view</div> |
| <input type="checkbox"/> | 7              | 6.1.2025. 18:30:45  | pero123  | 10,00      | <div>view</div> |
| <input type="checkbox"/> | 5              | 3.1.2025. 15:20:45  | maja123  | 10,00      | <div>view</div> |
| <input type="checkbox"/> | 4              | 3.1.2025. 14:40:45  | ana123   | 15,00      | <div>view</div> |
| <input type="checkbox"/> | 3              | 2.1.2025. 16:23:45  | pero123  | 10,00      | <div>view</div> |
| <input type="checkbox"/> | 2              | 2.1.2025. 15:25:45  | mirko123 | 10,00      | <div>view</div> |
| <input type="checkbox"/> | 1              | 1.1.2025. 14:45:45  | ana123   | 20,00      | <div>view</div> |

DELETE SELECTED



# Forma za projekcije (FormProjections)

EXIT

All projections  Hall:  FILTER CLEAR

| Delete                   | Movie title           | Date       | Time     | Cinema hall | Reserved Seats | Free Seats | Details |
|--------------------------|-----------------------|------------|----------|-------------|----------------|------------|---------|
| <input type="checkbox"/> | Mufasa: The Lion King | 04.01.2025 | 18:30:00 | 1           | 2              | 46         | view    |
| <input type="checkbox"/> | We live in time       | 05.01.2025 | 17:00:00 | 2           | 1              | 69         | view    |
| <input type="checkbox"/> | Better man            | 05.01.2025 | 18:30:00 | 3           | 1              | 69         | view    |
| <input type="checkbox"/> | Sonic the Hedgehog 3  | 06.01.2025 | 18:00:00 | 3           | 1              | 69         | view    |
| <input type="checkbox"/> | Wicked                | 06.01.2025 | 20:30:00 | 2           | 1              | 69         | view    |
| <input type="checkbox"/> | We live in time       | 14.01.2025 | 18:00:00 | 1           | 5              | 43         | view    |
| <input type="checkbox"/> | Better man            | 15.01.2025 | 19:30:00 | 4           | 1              | 47         | view    |

DELETE SELECTED

LOGOUT

- Prikazuje podatke o svim trenutno dostupnim projekcijama
- Moguće je obrisati pojedine projekcije, označavanjem kućice u prvom stupcu
- Kada se za neki film obrišu sve projekcije, tada se i on briše iz baze
- Klikom na gumb „VIEW” otvara se forma za rezervaciju sjedala za odabranu projekciju

# Forma za projekcije (FormProjections)

The image displays three sequential screenshots of a web application interface for managing movie projections. Each screenshot shows a sidebar on the left with a user profile 'Ana Anić' and navigation links: HOME, RECEIPTS, PROJECTIONS (highlighted), NEW PROJECTION, NEW MOVIE, and EMPLOYERS. The main content area is titled 'All projections' and includes a date filter, a hall filter, and 'FILTER' and 'CLEAR' buttons. Below the filters is a table with columns: Delete, Movie title, Date, Time, Cinema hall, Reserved Seats, Free Seats, and Details. Each row has a checkbox in the 'Delete' column and a 'view' button in the 'Details' column.

**Screenshot 1: Filter by Date**

Date: 06. 01.2025 | Hall: [empty] | FILTER | CLEAR

| Delete                   | Movie title          | Date       | Time     | Cinema hall | Reserved Seats | Free Seats | Details |
|--------------------------|----------------------|------------|----------|-------------|----------------|------------|---------|
| <input type="checkbox"/> | Sonic the Hedgehog 3 | 06.01.2025 | 18:00:00 | 3           | 1              | 69         | view    |
| <input type="checkbox"/> | Wicked               | 06.01.2025 | 20:30:00 | 2           | 1              | 69         | view    |

**Screenshot 2: Filter by Hall**

Date: [empty] | Hall: 3 | FILTER | CLEAR

| Delete                   | Movie title          | Date       | Time     | Cinema hall | Reserved Seats | Free Seats | Details |
|--------------------------|----------------------|------------|----------|-------------|----------------|------------|---------|
| <input type="checkbox"/> | Better man           | 05.01.2025 | 18:30:00 | 3           | 1              | 69         | view    |
| <input type="checkbox"/> | Sonic the Hedgehog 3 | 06.01.2025 | 18:00:00 | 3           | 1              | 69         | view    |

**Screenshot 3: Filter by both Date and Hall**

Date: 06. 01.2025 | Hall: 3 | FILTER | CLEAR

| Delete                   | Movie title          | Date       | Time     | Cinema hall | Reserved Seats | Free Seats | Details |
|--------------------------|----------------------|------------|----------|-------------|----------------|------------|---------|
| <input type="checkbox"/> | Sonic the Hedgehog 3 | 06.01.2025 | 18:00:00 | 3           | 1              | 69         | view    |

- Projekcije je moguće filtrirati po datumu, dvorani ili oboje



# Forma za dodavanje nove projekcije (FormNewProjection)

**Add new projection**

Movie title

Theatre hall

Date

| siječanj, 2025 |     |     |     |     |     |     |
|----------------|-----|-----|-----|-----|-----|-----|
| pon            | uto | sri | čet | pet | sub | ned |
| 30             | 31  | 1   | 2   | 3   | 4   | 5   |
| 6              | 7   | 8   | 9   | 10  | 11  | 12  |
| 13             | 14  | 15  | 16  | 17  | 18  | 19  |
| 20             | 21  | 22  | 23  | 24  | 25  | 26  |
| 27             | 28  | 29  | 30  | 31  | 1   | 2   |
| 3              | 4   | 5   | 6   | 7   | 8   | 9   |

Danas: 20.1.2025.

Time

Regular price

**ADD PROJECTION**

**EXIT**

**Logout**

Ana Anić

HOME

RECEIPTS

PROJECTIONS

**NEW PROJECTION**

NEW MOVIE

EMPLOYERS

LOGOUT

- Za dodavanje nove projekcije potrebno je iz padajućeg izbornika izabrati film koji već postoji u bazi, dvoranu, datum i vrijeme prikazivanja te regularnu cijenu ulaznice
- Tek kad su sva polja popunjena, moguće je kliknuti gumb „ADD PROJEKCIJA“

# Forma za dodavanje nove projekcije (FormNewProjection)

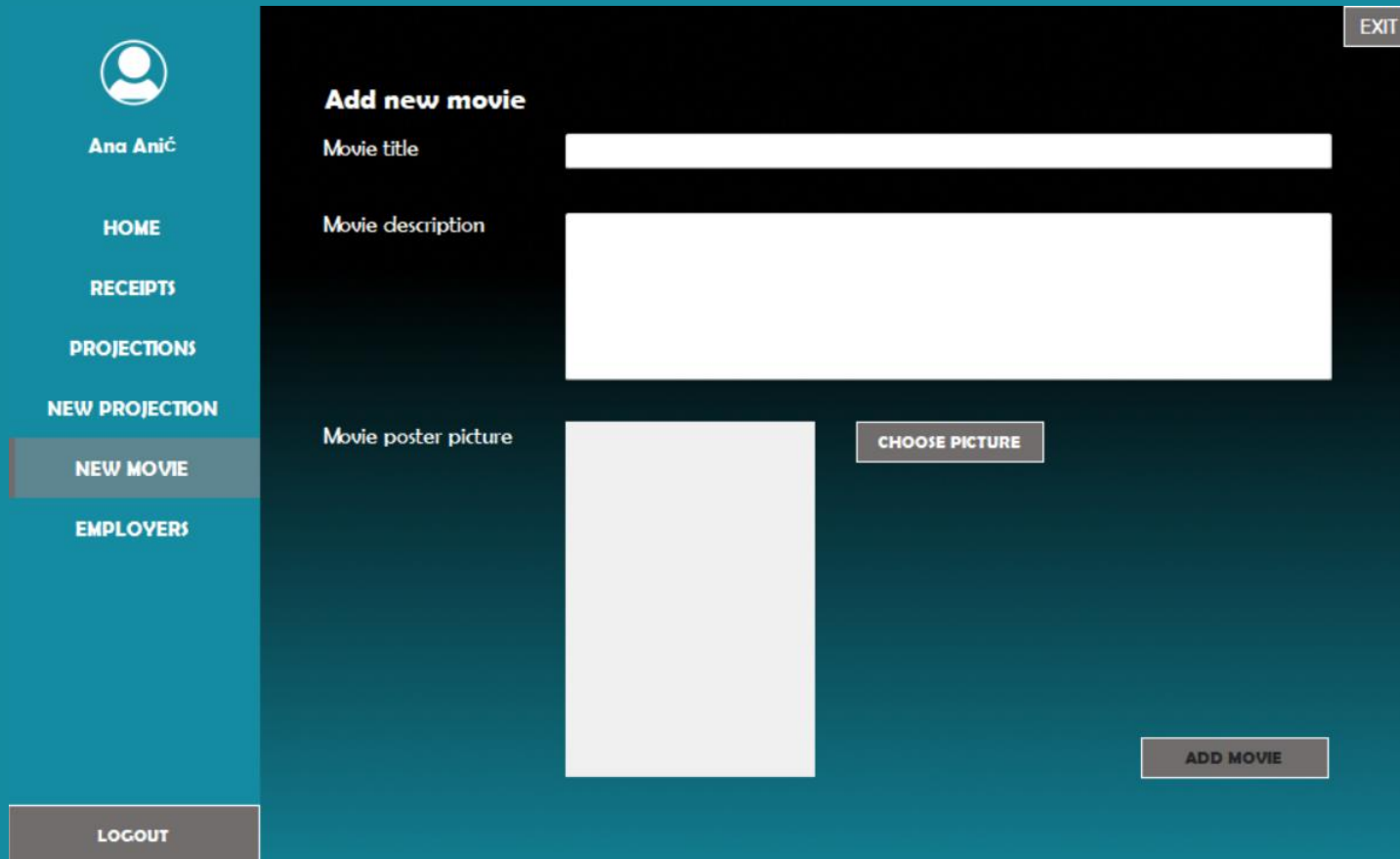
The application interface includes a sidebar with navigation links: Ana Anić, HOME, RECEIPTS, PROJECTIONS, NEW PROJECTION (active), NEW MOVIE, and EMPLOYERS. The main form is titled 'Add new projection' and contains the following fields:

- Movie title: Wicked
- Theatre hall: 4
- Date: siječanj, 2025 (calendar view showing 20.1.2025 selected)
- Time: 20:00:00
- Regular price: 12

Buttons include EXIT, LOGOUT, and ADD PROJECTION. The right screenshot shows a success message: 'Projection inserted successfully.' and the date field updated to 12:56:51 and regular price to 10.

- Prilikom dodavanja nove projekcije provjerava se ima li kolizije s već postojećim projekcijama (u istoj dvorani u periodu od 3h od početka projekcije), u tom slučaju nije moguće dodati odabranu projekciju, te se prikazuje poruka o koliziji
- Također, nakon dodavanja nove projekcije, prikazuje se poruka o uspješnom dodavanju te se popunjena polja resetiraju

# Forma za dodavanje novog filma (FormNewMovie)



The screenshot shows a web application interface with a teal sidebar on the left and a dark main content area. The sidebar contains a user profile icon and name 'Ana Anić', a list of menu items (HOME, RECEIPTS, PROJECTIONS, NEW PROJECTION, NEW MOVIE, EMPLOYERS), and a LOGOUT button at the bottom. The main content area is titled 'Add new movie' and features an 'EXIT' button in the top right corner. It contains three input fields: 'Movie title' (a single-line text box), 'Movie description' (a multi-line text area), and 'Movie poster picture' (a large image placeholder). To the right of the image placeholder is a 'CHOOSE PICTURE' button. At the bottom right of the form is an 'ADD MOVIE' button.

**Add new movie** EXIT

Movie title

Movie description

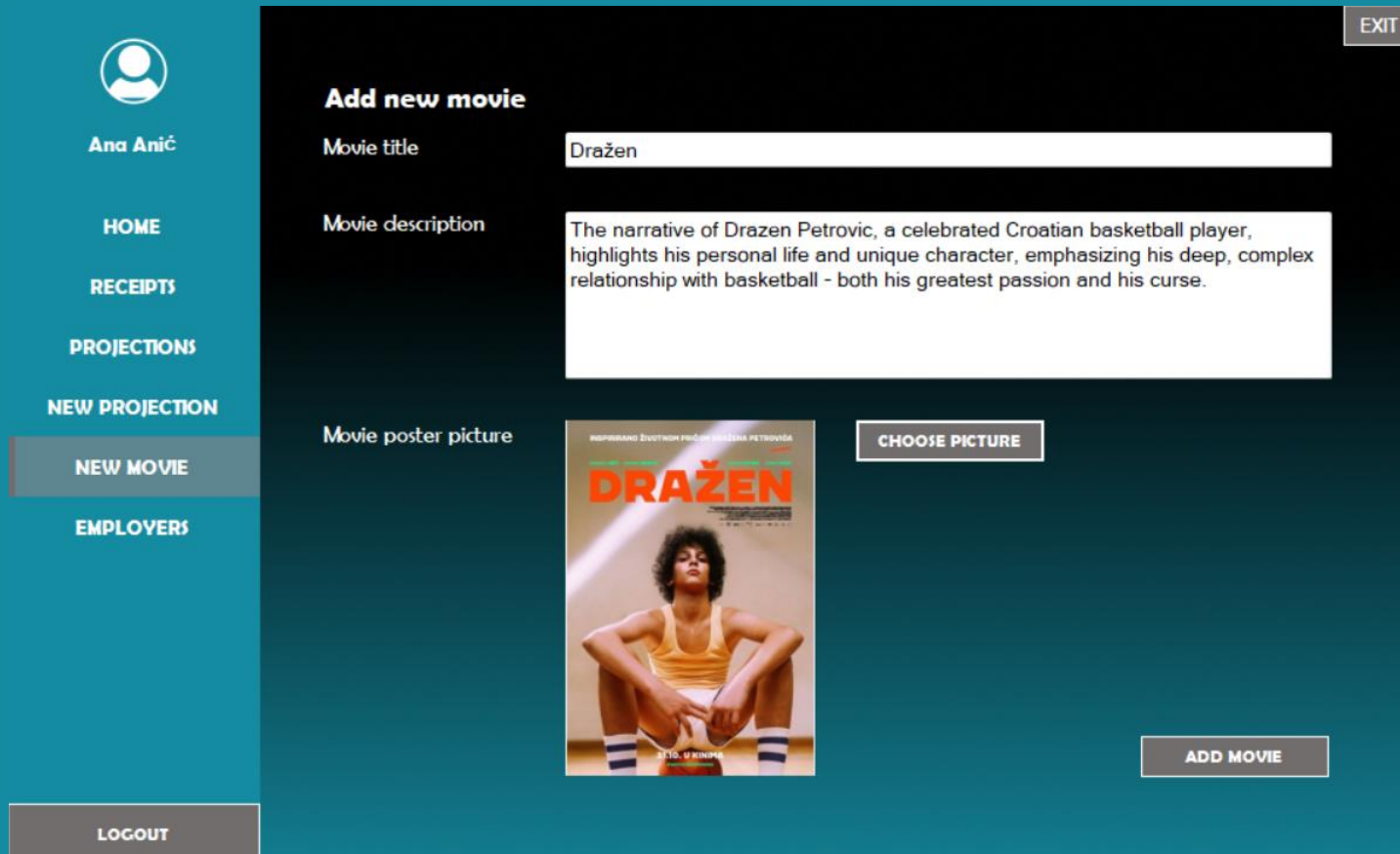
Movie poster picture  CHOOSE PICTURE

ADD MOVIE

LOGOUT

- Za dodavanje novog filma potrebno je upisati naslov i opis filma te učitati sliku plakata
- Tek kad su sva polja popunjena, moguće je kliknuti gumb „ADD MOVIE”

# Forma za dodavanje novog filma (FormNewMovie)



The screenshot displays a web application interface for adding a new movie. On the left is a teal sidebar with a user profile icon and the name 'Ana Anić'. Below the name are navigation links: 'HOME', 'RECEIPTS', 'PROJECTIONS', 'NEW PROJECTION', 'NEW MOVIE' (highlighted with a white border), and 'EMPLOYERS'. At the bottom of the sidebar is a 'LOGOUT' button. The main content area has a dark background. At the top right of this area is an 'EXIT' button. The title 'Add new movie' is in white. Below it, the 'Movie title' field contains the text 'Dražen'. The 'Movie description' field contains the text: 'The narrative of Drazen Petrovic, a celebrated Croatian basketball player, highlights his personal life and unique character, emphasizing his deep, complex relationship with basketball - both his greatest passion and his curse.' The 'Movie poster picture' field shows a movie poster for 'DRAŽEN' featuring a basketball player. To the right of the poster is a 'CHOOSE PICTURE' button. At the bottom right of the main area is an 'ADD MOVIE' button.

- Prilikom dodavanja novog filma provjerava se postoji li već film s tim naslovom, ako da, nije moguće dodavanje te se prikazuje prikladna poruka
- Nakon uspješnog dodavanja filma, on još nema projekcija te mu ih je potrebno dodati popunjavanjem forme za novu projekciju

# Forma za zaposlenike (FormEmployers)

- Sadrži popis svih korisnika, odnosno zaposlenika kina
- Pomoću padajućeg izbornika moguće je pojedinom zaposleniku (osim samome sebi) promijeniti ulogu, iz zaposlenika u administratora ili obrnuto

The screenshot shows a web application interface for managing employees. On the left is a dark blue sidebar with a user profile icon and the name 'Ana Anić'. Below the name are navigation links: HOME, RECEIPTS, PROJECTIONS, NEW PROJECTION, NEW MOVIE, and EMPLOYERS (which is highlighted). At the bottom of the sidebar is a LOGOUT button. The main content area has a black header with an EXIT button in the top right corner. Below the header, the title 'Employers' is displayed. A table with five columns (User ID, Name, Surname, Username, Role) lists three employees. The Role column has dropdown menus. Below the table is a large empty black box. At the bottom right of the main area is a SUBMIT CHANGES button.

| User ID | Name  | Surname | Username | Role     |
|---------|-------|---------|----------|----------|
| 1       | Mirko | Mirić   | mirko123 | Employee |
| 3       | Pero  | Perić   | pero123  | Employee |
| 4       | Maja  | Majić   | maja123  | Admin    |