

Fīlmosphere

OOP PROJECT
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I. Project theme and description

Concept: **Filmosphere** revolves around providing an immersive and engaging environment for movie enthusiasts.

Movie Exploration: Users can explore a diverse range of movies, categorized by genres such as comedy, drama, romance, science fiction, and horror.

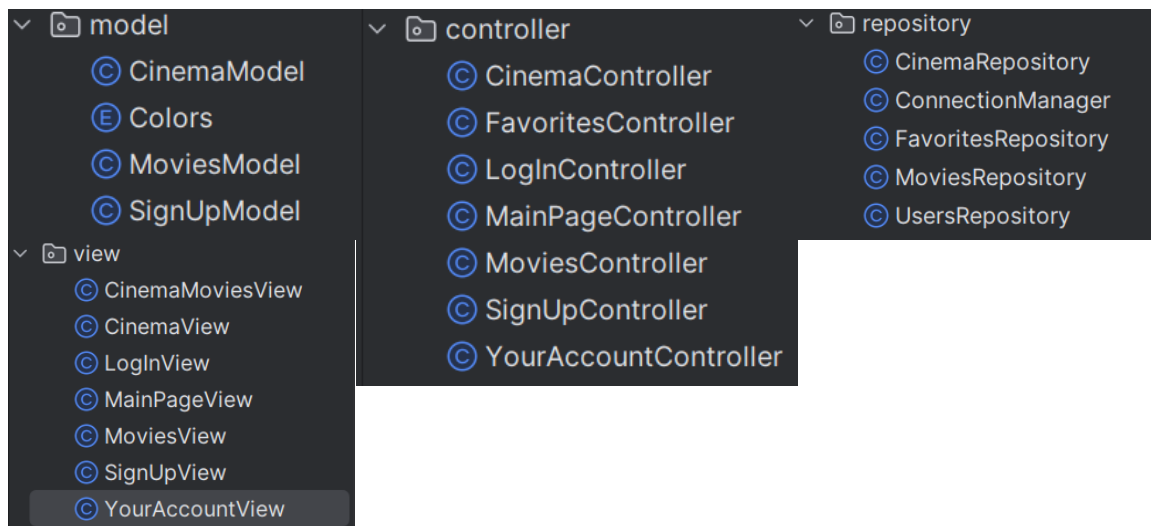
Cinema Showcase: Highlighting cinemas, their locations, and the movies they offer.

User Accounts: Personalized user accounts for a more tailored experience.

Admin Capabilities: Additional functionalities for administrators, such as managing movies and cinemas.

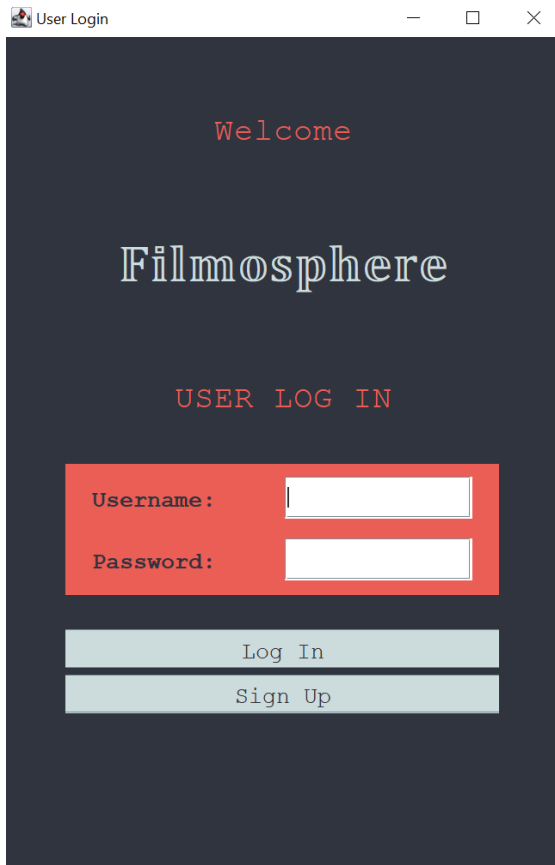
Color Theme - Colors Enum: An enumeration class that defines color constants used in the GUI.

The Filmosphere project follows the Model-View-Controller (MVC) architectural pattern to enhance code organization, maintainability, and scalability.



II. Project interface

1. Log In page



The 'User Login' window has a dark blue background. At the top, it says 'Welcome' in red. Below that is the 'Filmosphere' logo in a stylized white font. Under the logo, 'USER LOG IN' is written in red. There is a red rectangular box containing two white input fields: 'Username:' and 'Password:'. Below this box are two light blue buttons: 'Log In' and 'Sign Up'.

On this page, users are required to input their accurate username and password for the login process. If the provided credentials are incorrect, an error notification will appear. The page features two buttons:

- Login: Clicking this button will navigate users to the main page upon successful authentication.
- Sign Up: Clicking this button will direct users to a page where they can create a new account.

2. Sign Up page



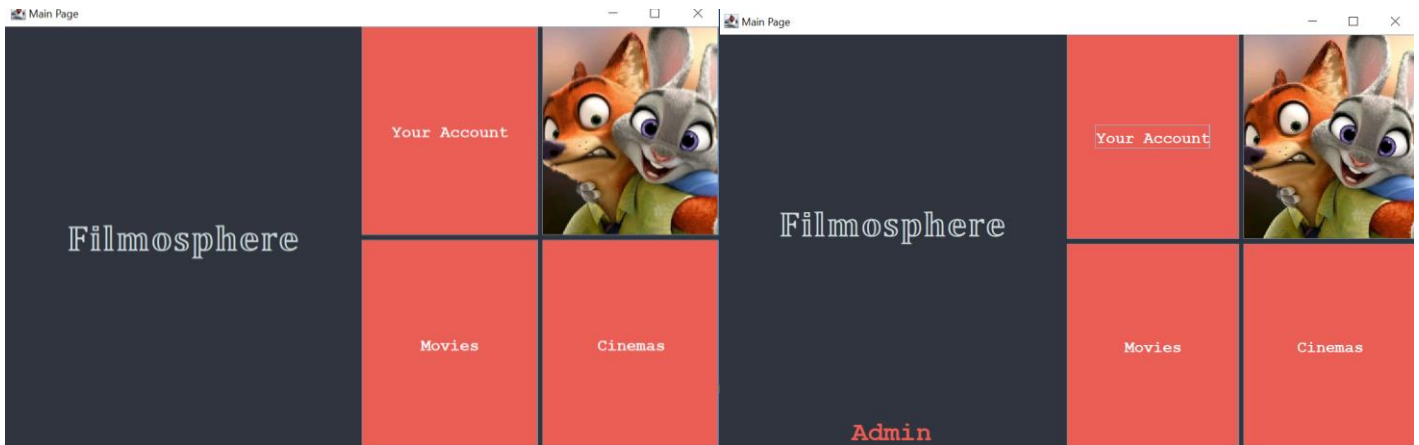
The 'Create Account' window has a red background. At the top, it says 'Create Account' in white. Below that is the 'Filmosphere' logo in a stylized white font. There are five white input fields with red labels: 'Name:', 'Username:', 'Password:', 'Email:', and 'Phone Number:'. At the bottom is a light blue button labeled 'Sign Up'.

On this page, users can create a new account by providing the following information:

- Name: Enter your full name.
- Username: Choose a unique username for your account.
- Password: Set a secure password .
- Email: it must be an valid email (end in @yahoo.com /@gmail.com for the users; @admin.com for the admins)
- Phone Number: unique.

Upon clicking the "Sign Up" button, the provided information is saved in the database, completing the registration process. The log in page appears, allowing users to log in with their newly created credentials.

3.Main Page



The Main Page features a visually

appealing layout with two main components:

- User Panel (Left):

Displays a stylish label using a custom font.

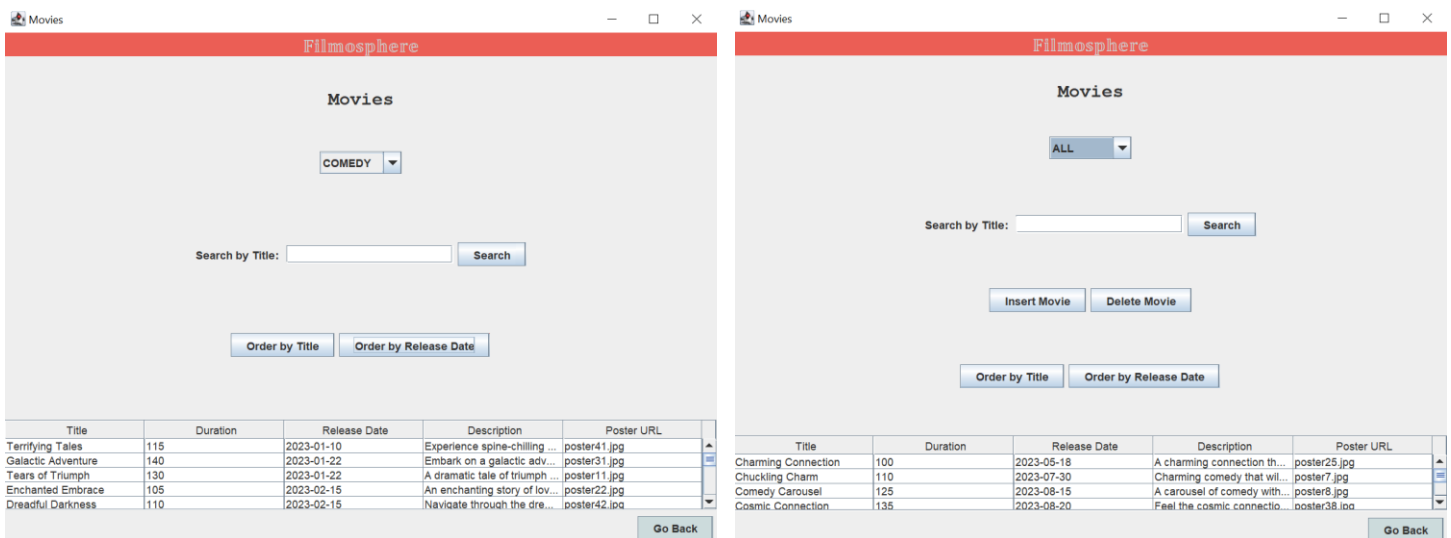
Admins see an additional "Admin" label.

- Common Panel (Right):

Presents a 2x2 grid of buttons for various functionalities:

- Your Account Button: Manages user accounts.
- Favorites Button: Displays a resized image ("image5.jpeg").
- Movies Button: Takes users to explore available movies.
- Cinemas Button: Navigates to discover cinemas.

3. Movies page



The "Movies" page provides an interactive interface for users to explore and manage movie information.

1. Header Section:

- Visually appealing header with a stylized label.
- Option for users to select movies by genre.

2. Search Functionality:

- Allows users to search for movies by title using a search bar.
 - Updates the displayed movie list based on user queries.
3. Ordering Options:
- Two buttons for users to order movies by title or release date.
4. Movie Display Table:
- A dynamic table showing movie details (Title, Duration, Release Date, Description, Poster URL).
5. Navigation:
- "Go Back" button to return to the previous page.

User-Specific Functionality:

Standard users can explore and interact with movie information.

Admin-Specific Functionality:

Additional functionality for administrators:

- Insert Movie: Admins can add new movies by providing relevant details through a dialog.
- Delete Movie: Admins can select and delete multiple movies from the displayed list.

This design ensures a seamless and user-friendly experience for both standard users and administrators, with additional administrative capabilities for managing the movie database.

4. Cinema page

Filmosphere		
Cinema Name	Location	Movies List
CineGlow	Suede Square	Movies
CineFiesta	Pearl Parkway	Movies
SilverScreen Oasis	Grand Central Sq...	Movies
CineGem Theaters	Meadowside Gardens	Movies
CinemaPlex	Sunset Avenue	Movies
MajesticMotion P...	Oakwood Lane	Movies
VistaVibes Cinemas	Harmony Street	Movies
CineMetropolis	Downtown Plaza	Movies
CineVivid	Lace Lane	Movies
VelvetView Cinemas	Sapphire Street	Movies
CineVista Deluxe	Emerald Plaza	Movies
SkylineCinéma	Riverview Park	Movies
CineStarlight	Crimson Corner	Movies
StarCineSphere	City Center Mall	Movies
CinéLuxe	Golden Gate Square	Movies
CineSpectra	Crystal Heights	Movies
CineGrove	Maple Avenue	Movies
CinePulse	Diamond District	Movies

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CineMetropolis	Downtown Plaza	Movies
CineVivid	Lace Lane	Movies
VelvetView Cinemas	Sapphire Street	Movies
CineVista Deluxe	Emerald Plaza	Movies
SkylineCinéma	Riverview Park	Movies
CineStarlight	Crimson Corner	Movies
StarCineSphere	City Center Mall	Movies
CinéLuxe	Golden Gate Square	Movies
CineSpectra	Crystal Heights	Movies
CineGrove	Maple Avenue	Movies
CinePulse	Diamond District	Movies

The "Cinemas" page provides a comprehensive view of cinema details and offers various functionalities.

It contains "Sort by Name" and "Sort by Location" buttons for users to arrange cinemas.

Cinema Display Table:

A dynamic table showing cinema information (Cinema Name, Location, Movies List). Users can click the "[Movies](#)" button to explore movies associated with each cinema.

Navigation: "Go Back" button to return to the previous page.

User-Specific Functionality:

Users can view and interact with cinema details.

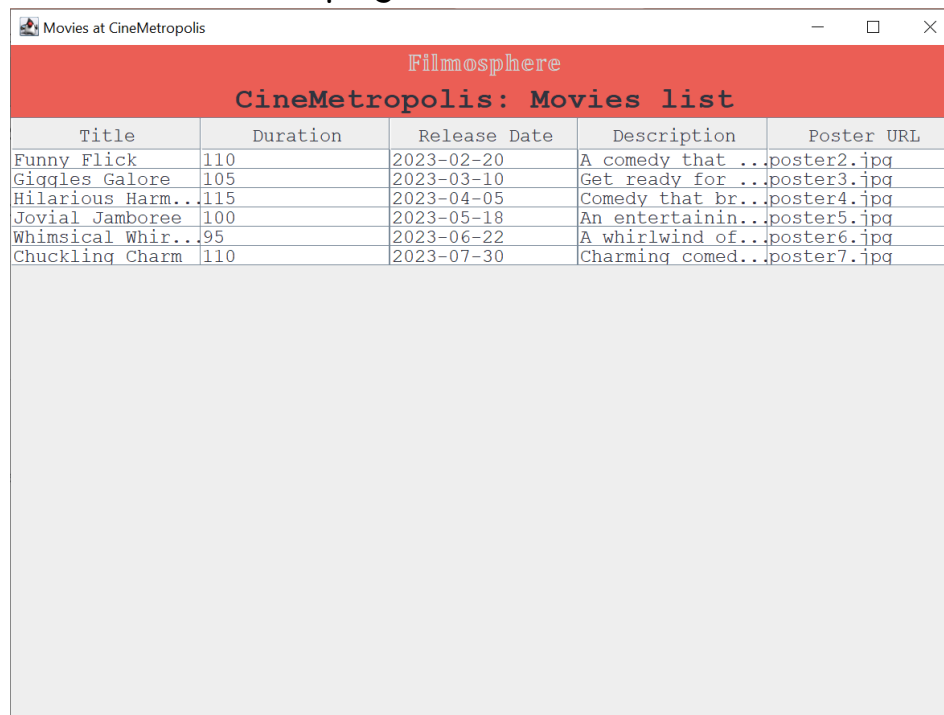
Option to sort cinemas by name or location.

Admin-Specific Functionality:

- Insert Cinema: Admins can add new cinemas by providing details through a dialog.
- Delete Cinema: Admins can select and delete multiple cinemas from the displayed list.

Admin-specific buttons ("Insert Cinema" and "Delete Cinema") are displayed only for admin users, distinguishing the experience based on user roles.

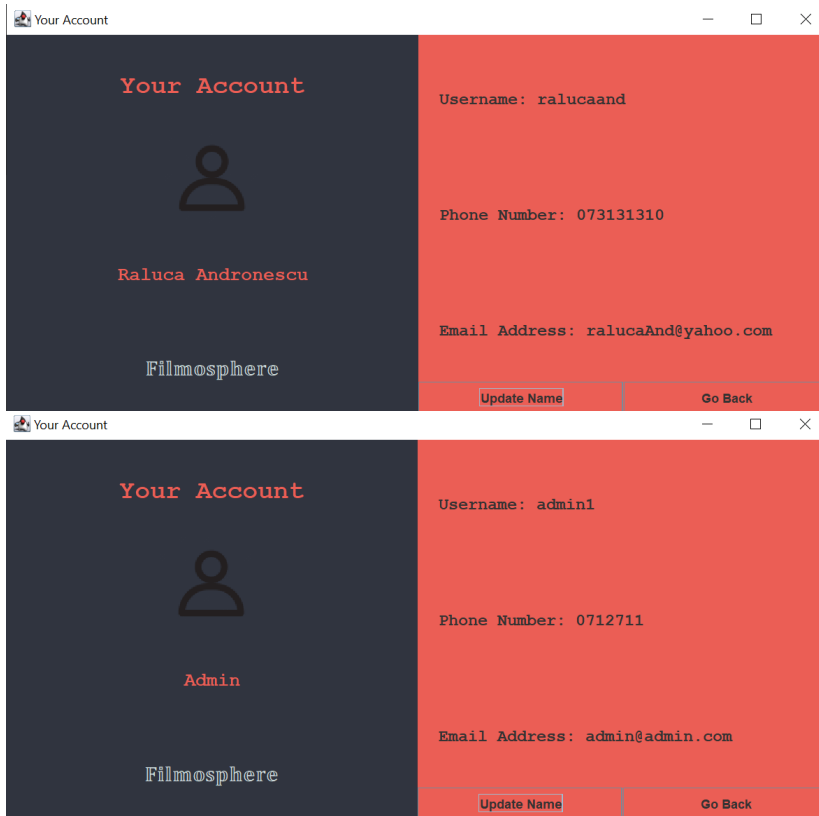
5.Cinema movies page



Filmosphere				
CineMetropolis: Movies list				
Title	Duration	Release Date	Description	Poster URL
Funny Flick	110	2023-02-20	A comedy that ...	poster2.jpg
Giggles Galore	105	2023-03-10	Get ready for ...	poster3.jpg
Hilarious Harm...	115	2023-04-05	Comedy that br...	poster4.jpg
Jovial Jamboree	100	2023-05-18	An entertainin...	poster5.jpg
Whimsical Whir...	95	2023-06-22	A whirlwind of...	poster6.jpg
Chuckling Charm	110	2023-07-30	Charming comed...	poster7.jpg

The "CinemaMovies" page presents a list of movies associated with a particular cinema.

6. Your account



The image displays two screenshots of a web application's 'Your Account' page. The top screenshot is for a user named 'Raluca Andronesu' with the username 'ralucaand', phone number '073131310', and email 'ralucaAnd@yahoo.com'. The bottom screenshot is for an 'Admin' user with the username 'admin1', phone number '0712711', and email 'admin@admin.com'. Both pages feature a dark sidebar with a user icon, the name, and the 'Filmosphere' logo. The main content area is red and displays account details and two buttons: 'Update Name' and 'Go Back'.

Username	Phone Number	Email Address
ralucaand	073131310	ralucaAnd@yahoo.com
admin1	0712711	admin@admin.com

The "YourAccount" view provides information about the user's account (Username, Phone Number, Email Address) and allows them to update their name.

- Update Name

Button: Opens an input dialog for the user to enter a new name. Updates the displayed name label and the underlying model(the name is changed in the data base too).

- Go Back Button:

Allows the user to navigate back.

Error Handling: Checks if the SignUpModel is null and handles it appropriately.

III. Data base

