Filmosphere

OOP PROJECT
Andronescu Raluca-Antonia
Group: 30421

Contents:

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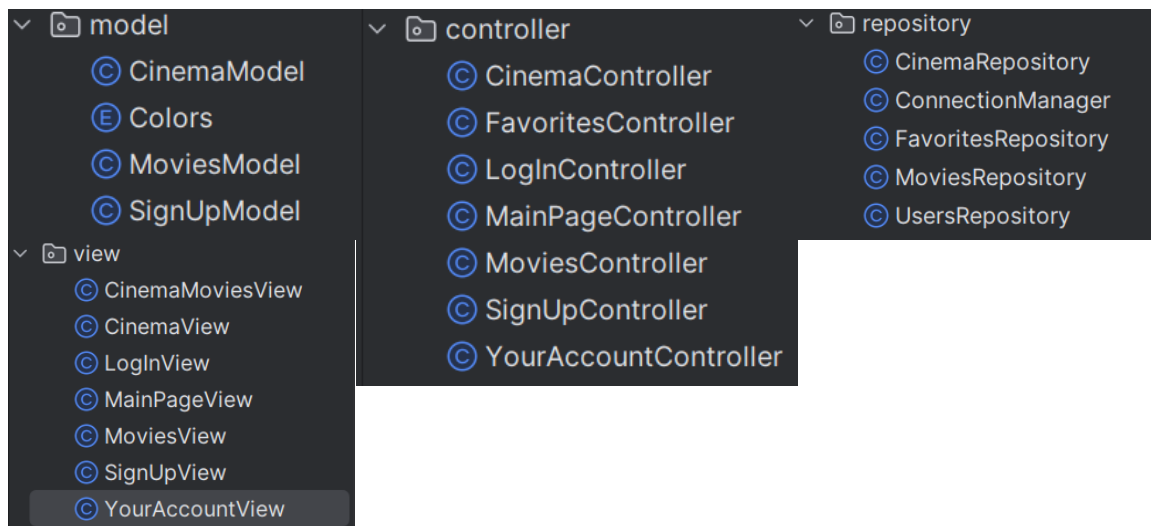
Cinema Showcase: Highlighting cinemas, their locations, and the movies they offer.

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

Admin Capabilities: Additional functionalities for administrators, such as managing movies and cinemas.
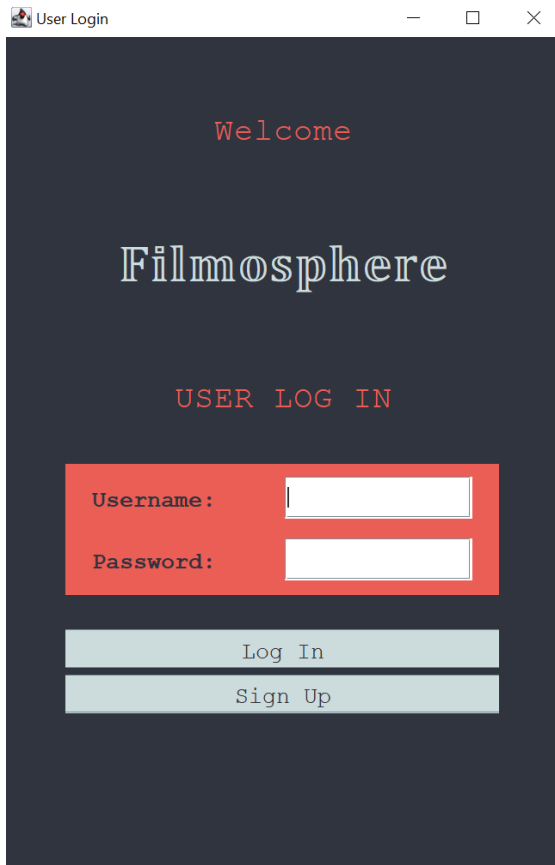
Color Theme - Colors Enum: An enumeration class that defines color constants used in the GUI.

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

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.
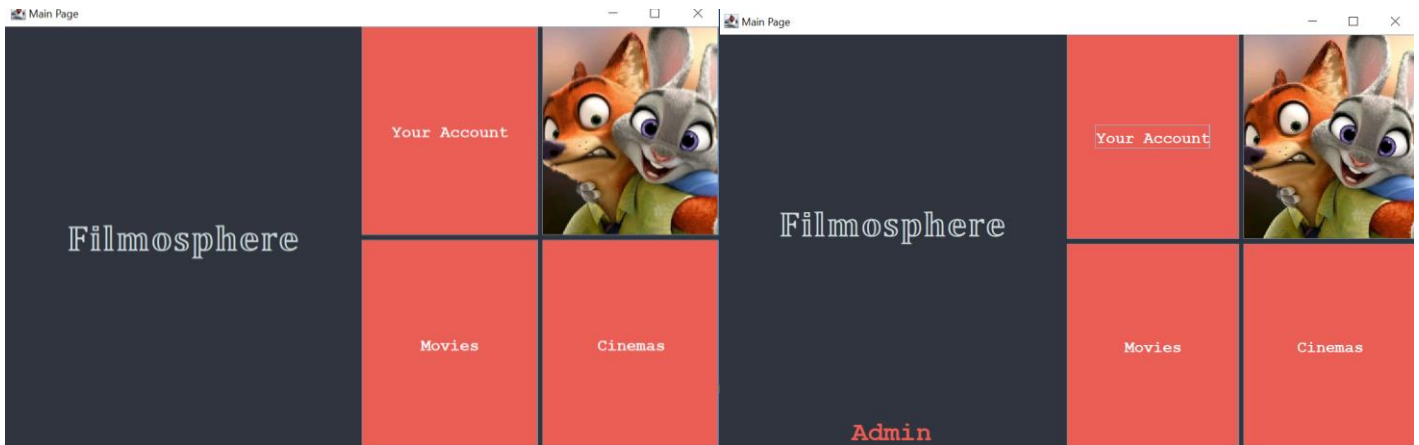
2. Sign Up page

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):
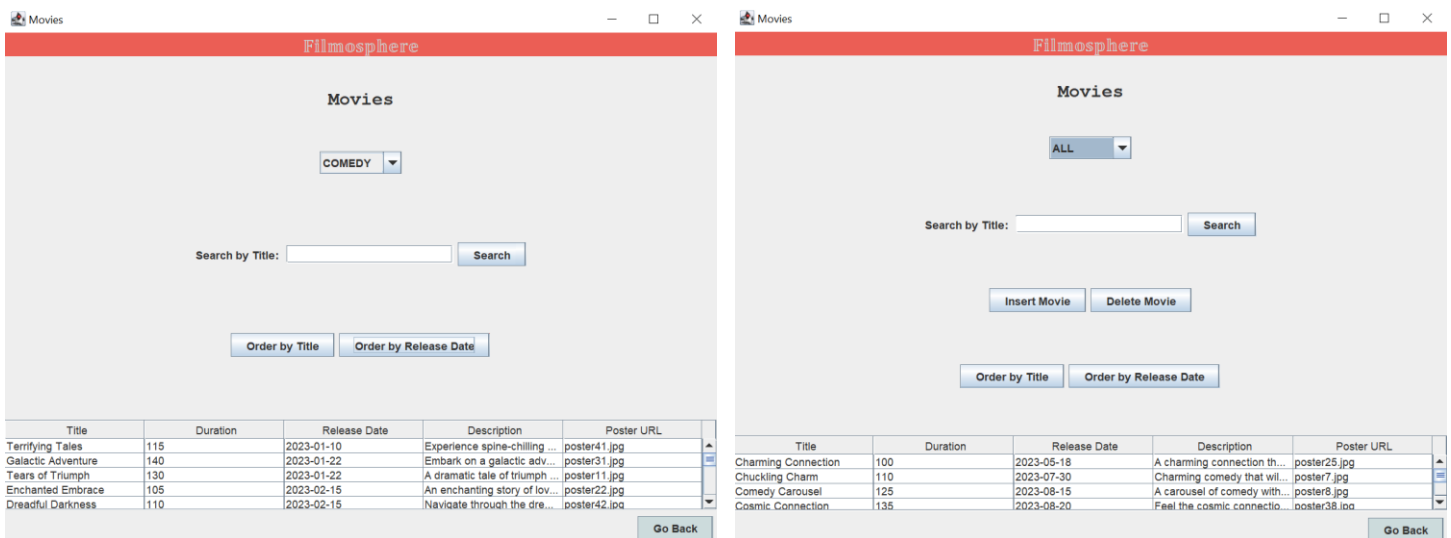Displays a stylish label using a custom font.
Admins see an additional "Admin" label.
- Common Panel (Right):
Presents a 2x2 grid of buttons for various functionalities:
- <u>Your Account Button</u>: Manages user accounts.
- <u>Favorites Button:</u> Displays a resized image ("image5.jpeg").
- <u>Movies Button</u>: Takes users to explore available movies.
- <u>Cinemas Button</u>: 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.

<u>User-Specific Functionality:</u>
Standard users can explore and interact with movie information.
<u>Admin-Specific Functionality:</u>
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

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:
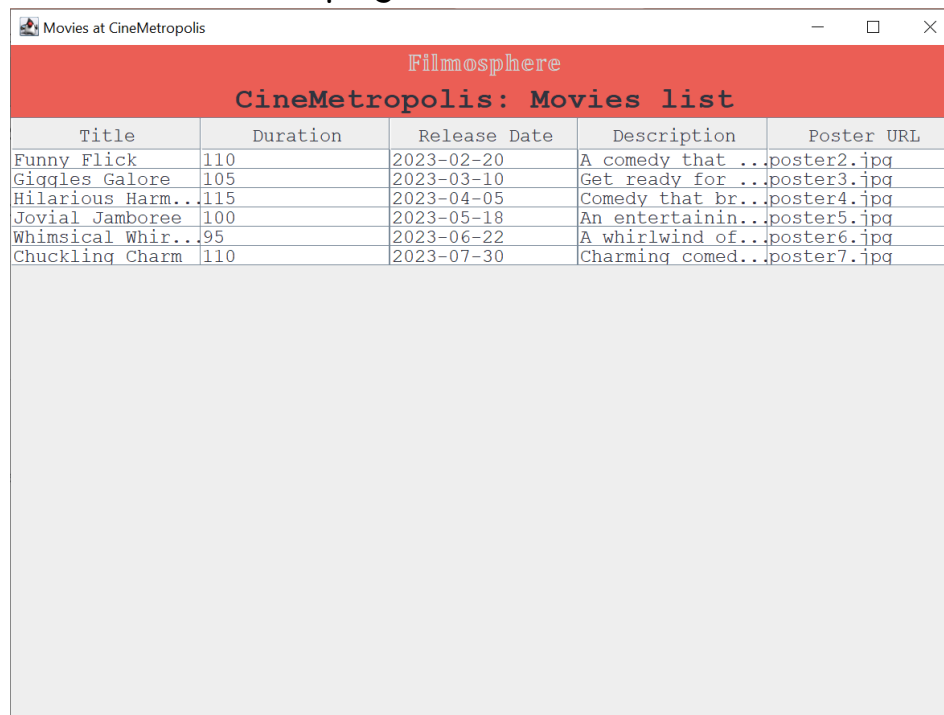
Users can view and interact with cinema details.

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.
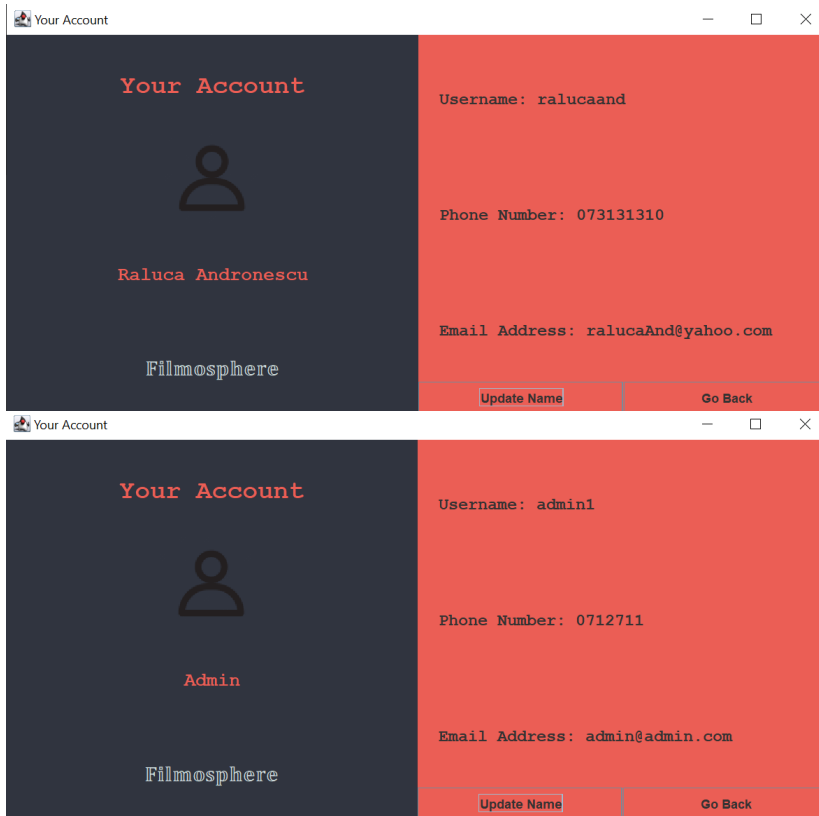
5.Cinema movies page

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

6.Your account

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

Visualization for Filmosphere@localhost