

Movie Catalogue

Overview

The Movie Catalogue App is a desktop application built using **Java Swing**. It allows users to:

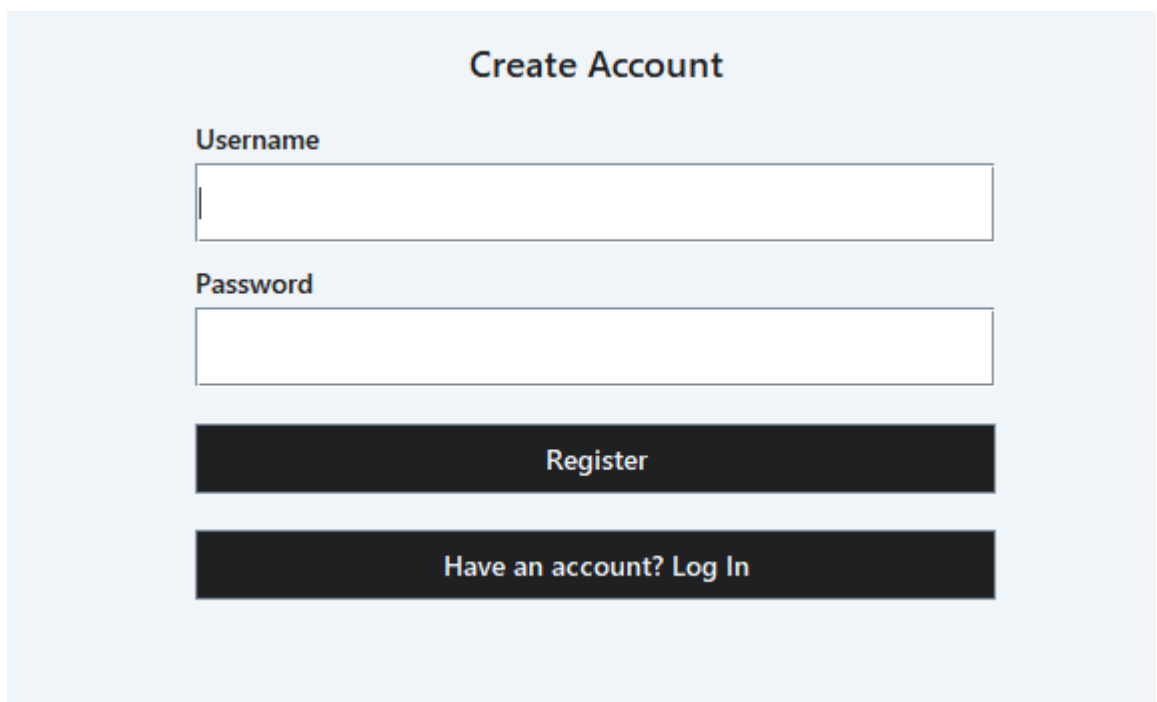
- Register an account
- Log in to their account
- Search for movies
- View detailed information about a movie

The app stores user information and movie data in a local database and provides a simple and user-friendly interface.

Features

1. User Registration

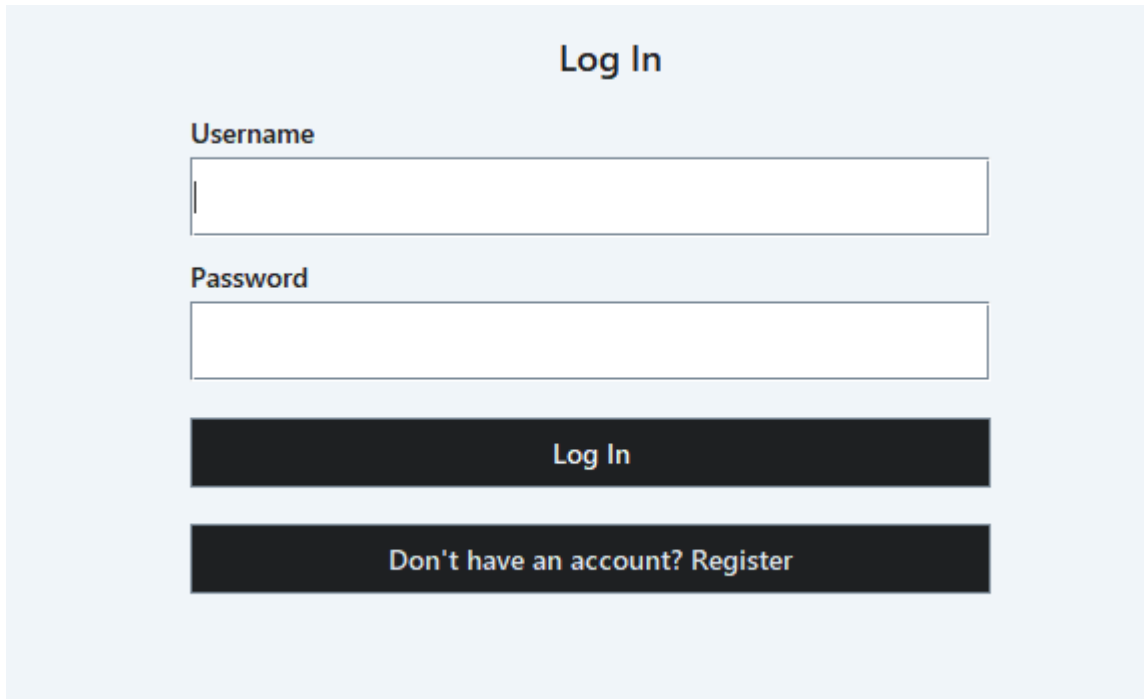
- Users can create an account by entering:
 - Password
 - Username
- After successful registration, users can log in using their credentials.
- All user data is stored in the local database.



The image shows a 'Create Account' form with a light blue background. At the top, the title 'Create Account' is centered in a bold, dark blue font. Below the title, there are two input fields: 'Username' and 'Password', both with light blue labels. The 'Username' field is a white rectangle with a thin black border, and the 'Password' field is a white rectangle with a thin black border. Below the 'Password' field, there are two dark blue buttons with white text. The first button is labeled 'Register' and the second button is labeled 'Have an account? Log In'.

2. User Login

- Users must enter their username and password to log in.
- Upon successful login, users are redirected to the **movie discovery page** where they can search for movies.
- If login fails (invalid credentials), an error message is displayed.



The login form is centered on a light blue background. At the top, the text "Log In" is displayed in a bold, dark font. Below this, there are two input fields: the first is labeled "Username" and the second is labeled "Password". Both labels are in a bold, dark font. The input fields are white with a thin dark border. Below the password field, there is a dark blue button with the text "Log In" in white. At the bottom, there is another dark blue button with the text "Don't have an account? Register" in white.

3. Search Movies

- A search bar allows users to search for movies by its title.
- Search results are displayed in a grid format showing:
 - **Movie title**
 - **Release year**
 - **Rating**
- Clicking on a movie from the results opens a detailed page.



The search bar consists of a white input field with a thin dark border, followed by a dark blue button with the text "Search" in white.

Genres			
Action	Avatar (2009-12-10) ★ 7.2	Pirates of the Caribbean: At World's End (2007-05-19) ★ 6.9	Spectre (2015-10-26) ★ 6.3
Comedy			
Drama			
Science Fiction			
Fantasy	The Dark Knight Rises (2012-07-16) ★ 7.6	John Carter (2012-03-07) ★ 6.1	Spider-Man 3 (2007-05-01) ★ 5.9
Mystery			
Show All			
	Tangled (2010-11-24) ★ 7.4	Avengers: Age of Ultron (2015-04-22) ★ 7.3	Harry Potter and the Half-Blood Prince (2009-07-07) ★ 7.4
	Batman v Superman: Dawn of Justice (2016-03-23)	Superman Returns (2006-06-28)	Quantum of Solace (2008-10-30)

4. Movie Page

- The movie page provides detailed information, including:
 - Title
 - Release date
 - Genre
 - Synopsis
 - Rating
 - Cast list
- Users can navigate back to the search page or perform a new search.

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Pirates of the Caribbean: At World's End

2007-05-19

Rating: 6.9

Genres: Adventure, Fantasy, Action

Description:

Captain Barbossa, long believed to be dead, has come back to life and is headed to the edge of the Earth with Will Turner and Elizabeth Swann. But nothing is quite as it seems.

5. Database

- The app uses a local MySQL database to store the Movie data (title, release date, genre, rating, synopsis, cast)

- The login is handled by a local database and uses HashMap to handle the login.
- Data is persisted locally so that users do not need an internet connection after initial setup.

Technical Details

- Frontend: Java Swing
- Backend: Java)
- Database: MySQL

Future Improvements

- Implement a watchlist feature allowing users to save favorite movies.
- Add a user profile section where users can update their information.
- Enable API integration to fetch movie data and images.
- Add a review and rating feature for each movie.