User manual

Introduction

In this project, the applications are designed to maintain a movie database of users own and provide recommendations for them such as movie reviewers and audiences based on their interested topics. The software first allows users sign up. After logging in, users can search the movies and save the movies they have watched. The users can search the movies by selecting tags of movies such as released year, language and imdb_score. The users can also rate and review the movie after watching and saving these information into their own database. In addition, we analyze the attributes of watched movies such as genres and keywords in plot. So the system can recommend movies based on them. The users can later look for the movie in their own database.

Functionality

The Movie Zone is movie search and browse application allows the user to register and sign in to search for the movie of interest in a database associated with the TMDB API and stored it into the user's own account associated with a database. The movies are stored by connecting the database and stored. There are also security questions for users to store their customized security questions in case that they forget their passwords.

After users sign up and sign into the database, they will be directed to a user homepage. On the left there is a sidebar which user can choose to hide or show. When this sidebar is shown, there should be four buttons on the left: "search", "watched list", "like list" and "recommendations". Users can choose what they want to do accordingly by clicking these buttons.

There is a search panel in this program for user to search the movie with IDs, titles or keywords by calling the TMDB API. The user can click the movie for details and after opening the details interface, all of the information included overview, rating, language, genre and cast of the movie will display and the similar movies of this movie will also be displayed according to the keywords and a lot of different things. The user can choose to add this movie to a "watched list" or a "like list" and this will update the user's profile in database to include these movies. The search panel can also show the upcoming, high rated and popular movies on its default set for user to know best and latest movies.

The watched list and like list can store the movies that users chooses as the "like" or "watched" movies. The recommendations function can recommend movies according to the features of movies that users have already chose as the like and watched movies.

At the bottom there are "prev" and "next" buttons for users to change pages if the quantity of movies exceed one page. The page numbers will also be shown at the bottom.

Implementation

Database used:

We used Neo4j in this project to store both the movie information and the user information. The movie information designated to include the move ID, movie title, the url of the movie poster from the TMDB, the cast, the language, the overview and the rating of the movie. When a user registers, the database wil; connected to store the user-chose username, password and security question. Also, a "watched list" and a "like list" will be created for the user to store movies that user choose to "like" or "watched".

API used: TMDB
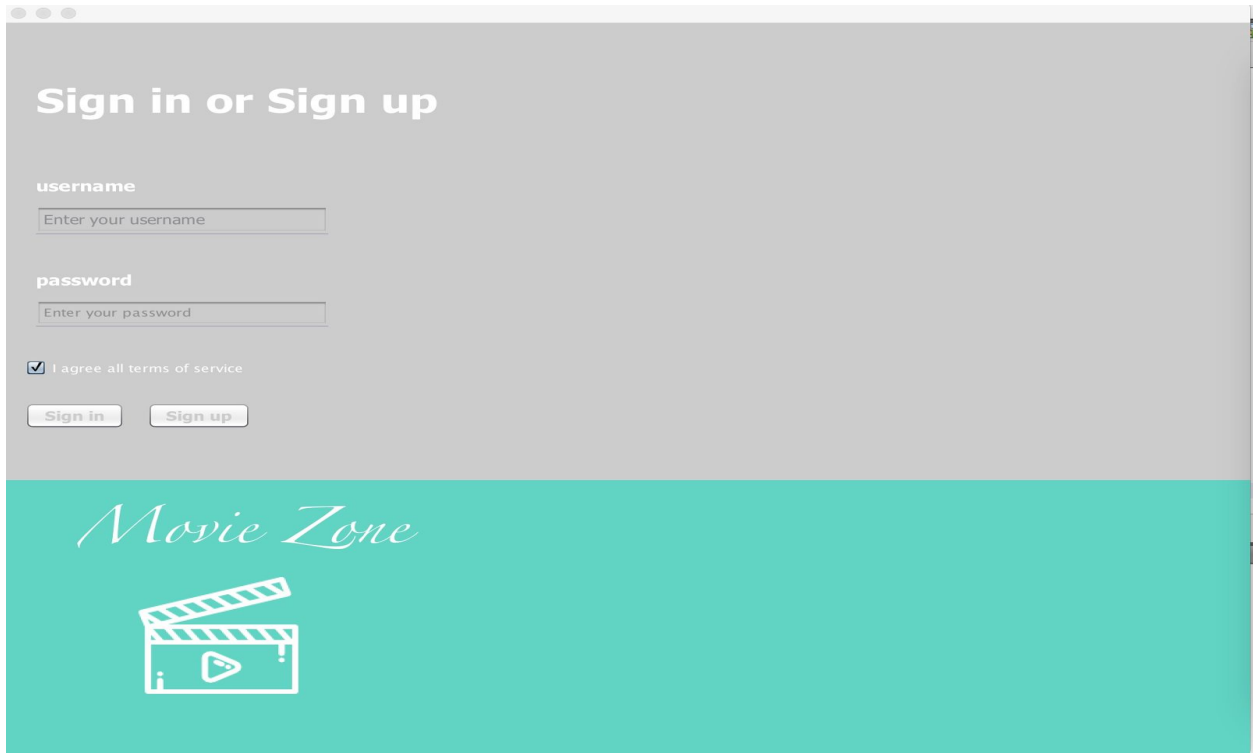
IDE used: The NetBeans IDE is chosen over Eclipse here for a better and a more convenient implementation of GUI.

Class: Search class includes the several methods which can declare and call the exact or blur search engines so users can input the words/IDs they want to search. Once the search terms are entered, they will be parsed into a search engine object and then parsed search results into an arraylist of movie objects and then the arraylist is parsed into groups of four and shown at each page by setting as the card layout inside the java. In the constructor , the default setting with upcoming movies.

There is also a Homepage class includes a JToggleButton for users to decide which panel they want to go by clicking the buttons. A JFrame of s search panel will come out when the search button is hitted.

GUI Test

Sign-in

Sign in or Sign up

username

Enter your username
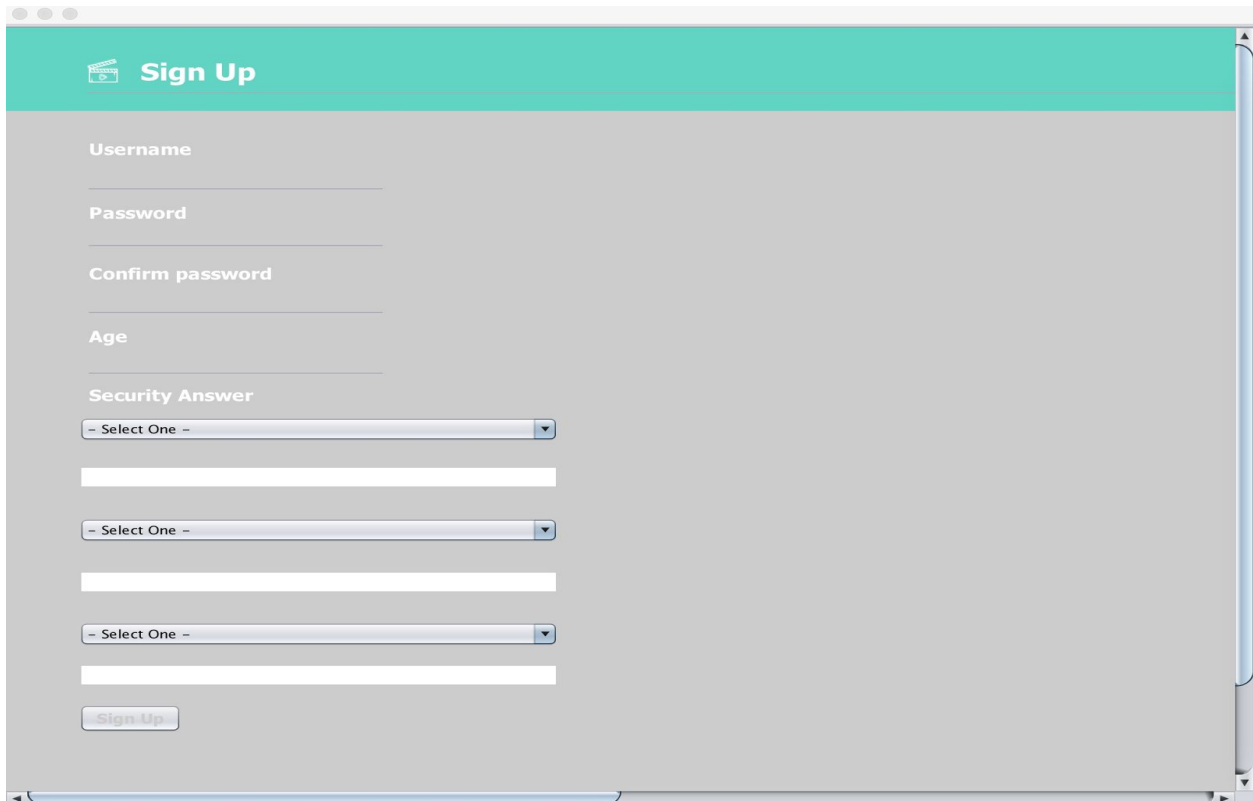
password

Enter your password

☑ I agree all terms of service

Sign in   Sign up

Movie Zone

Sign-up

🎬 **Sign Up**

Username

Password

Confirm password

Age

Security Answer

– Select One –

– Select One –

– Select One –

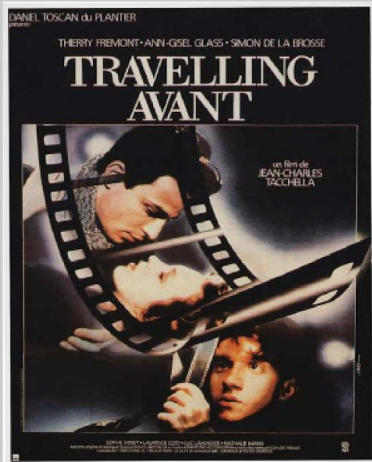Sign Up

User homepage
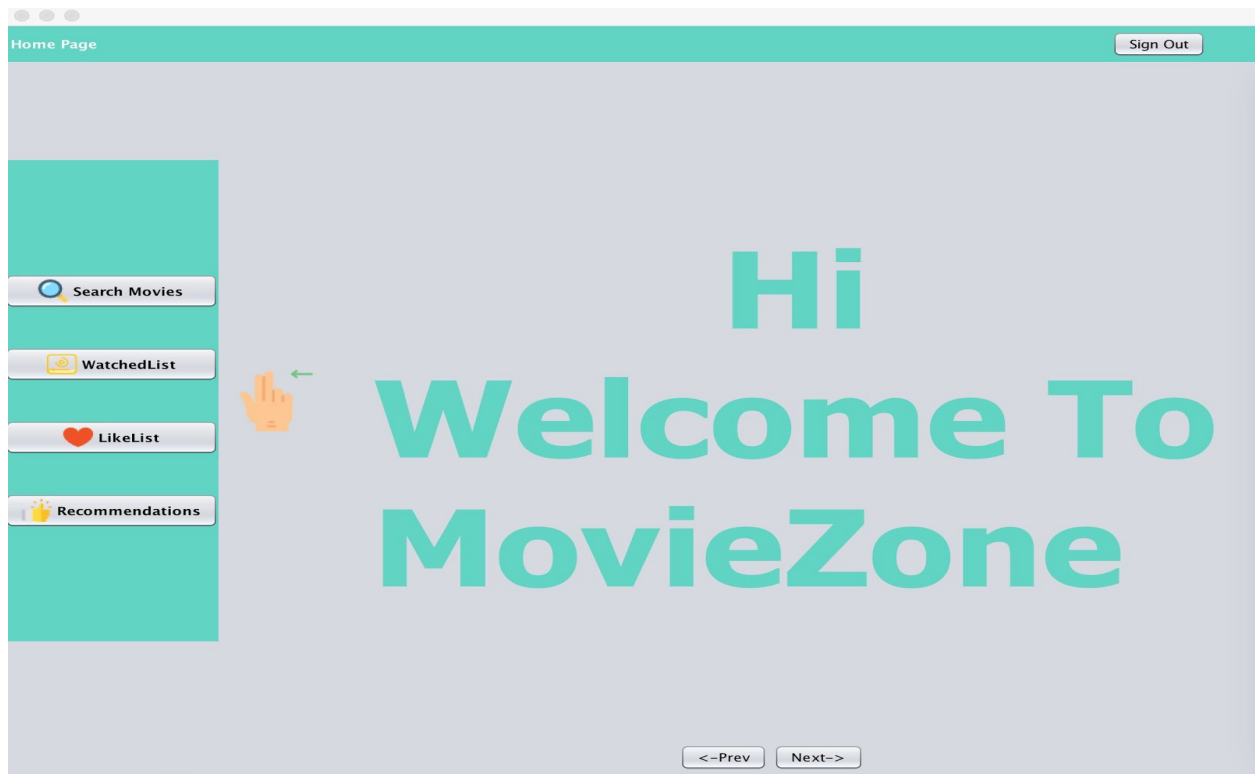
Search
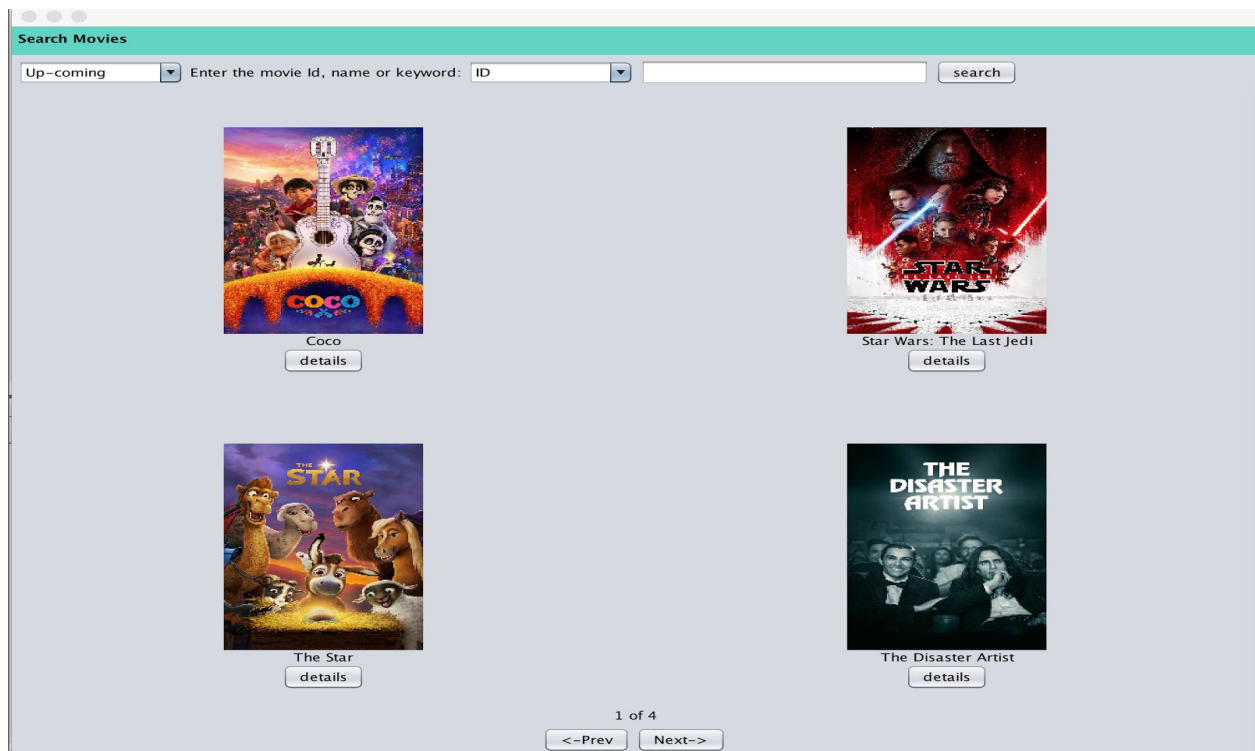
Movie Page

Travelling avant (1987)

Keywords: fan culture/youth culture/1940s

ID: 64543

Director: Jean-Charles Tacchella

Cast: Thierry Frémont/Ann-Gisel Glass/Simon de La Brosse

Production Country: France

Genre: Comedy/Drama

Released Date: 1987-8-19

Runtime: 114min

Language: Français

Ratings

⭐ *0.0*

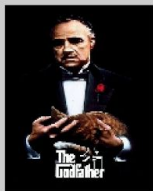[+] [+]

Overview: Paris, October 1948. Nino, Gilles, Donald, Barbara and their friends are a new breed of spectators. They discover the cinema as art, they are moviegoers. They will try to realize their grand project: to found a film club. "My film first wants to be a testimony of young people who have lived for a passion. Cinema"

Similar Movies

The Godfather	Saving Private Ryan	Hacksaw Ridge	Garden State	The Shawshank Re...
details	details	details	details	details