Basic Use Cases

1. User logs in.

2. User opens profile page

3. User opens homepage

4. User opens a movie details page

5. User searches for some movie/actor/tv show in the search field

Workflow

Scheduled:
Every hour:

WebCrawler triggers ->

Insert movie title and id into data list(could be something else) ->

Get rest of the movie info from Movie feeder ->

Add to the data list the full movie info ->

Get news for the movie from the News feeder ->

Aggregate data (movie info & news) and Add to the database

On request:
Login page:

User opens login page ->

Login functionality ->

User is sent to main page(or account profile page)

Account profile page:

User opens profile page ->

User info is loaded from database ->

Data, related to user and favorite movies are visualized

Main page:

User opens main page ->

All movie related data is selected from database ->

All the featured movies are shown & Some movie industry news too

Movie details page:

User opens details for a movie that we feature ->

Get movie info and news from database ->

Load all movie info and news

Search for a specific topic (movie/actor/tv series):

User searches for a topic ->

Get the info from Movie Feeder->

Add info to topic POJO (actor/movie/tv series) ->
Get news data from News Feeder ->

Aggregate data(add news to the POJO) ->

Return the specific page with specific news.

Web Client

Single page, Angular based web application that makes calls to the server for all the info.

Application Server

Exposes a Rest API, makes calls to the database and Imdb API.

News Feeder

Calls the Google API with the given topic and stores the newest news for a given topic.

Google API

Calls to the google API return search results, categorized as news.

Movie Feeder

Calls the Imdb API with the given topic and returns the full info for a given topic.

IMDB API

Calls to the API return info about a given movie.

Web Crawler

Crawls given websites for newest movie and tv series titles.

My

Token Authentication