# Full Stack - Final Project

You need to create a Web application for Movies & Subscription management.

The Front End layer would be implemented with React and the Back End would be implemented with Node.JS

### The Data Layer:

The data will be stored in a MongoDB and will store following:

### Users (The users that allow to log in to the web site)

- ID (PK)
- Full Name
- Username
- Password

#### **Movies**

- ID (PK)
- Name
- Year premiered
- Genres (an array of strings)
- An image url
- Subscriptions (MembersID)

#### **Members**

- ID (PK)
- Full Name
- Email
- City
- Subscriptions (MoviesID, Date)

# Pages & Procedures

### 1. Login Page

The home page of the system. A page with username & password text box and a "Login" button. A successful log in redirect to "Main" Page.

Once a user logged in – his name will be presented in all the site pages

### 2. Movies Page

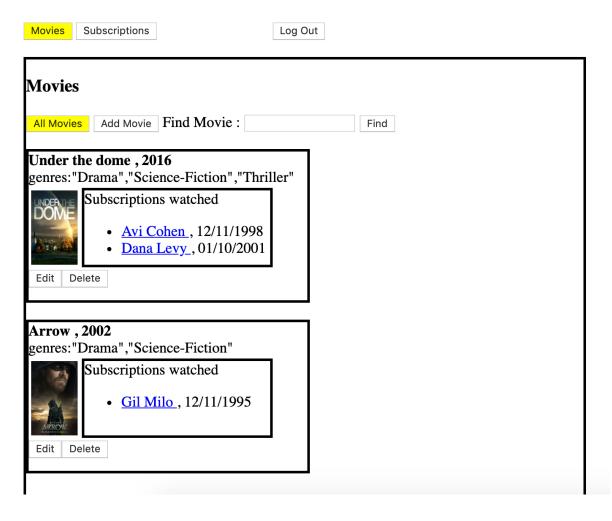
This page has a menu with 2 options:

- "All Movies" page
- "Add Movie" page

#### 3. "All Movies" Page

Present all movies in a list. Each movie has it's name, year, image, "edit" & "delete" buttons, and subscriptions of all the members that watched this movie (name + date)

Each subscriber's name is a link.

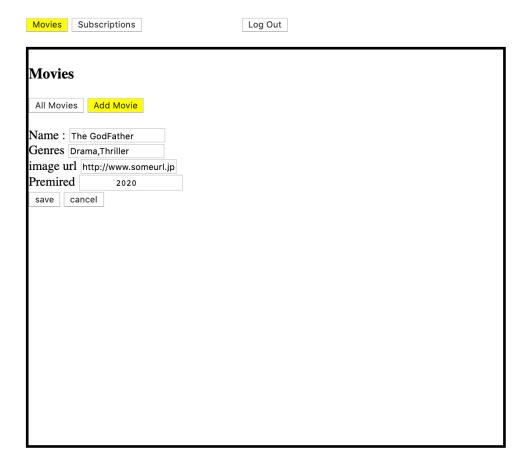


- A click on "Edit" button will redirect to "Edit Movie" page
- A click on "Delete" button will delete all the movie's data from the server, including from the subscription's watched movies list
- A click on the Subscriber link will redirect to the "Member" page

- Enter movie name phrase and click on the "Find" button" will present the same page with the match movies

## 4 – "Add Movie" Page

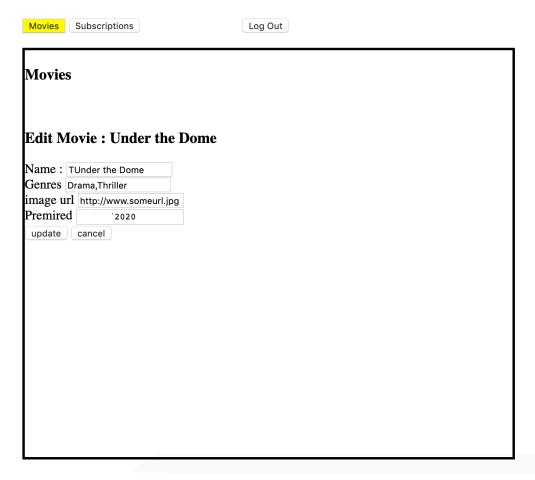
This page allows to create a new movie



- A click on "Save" button will save the new data in the DB
- A click on "Cancel" button will redirect to the "All Movies" page

## 5 – "Edit Movie" Page

This page allows us to update a movie data



- A click on "Update" button will save the updated data in the DB
- A click on "Cancel" button will redirect to the "All Movies" page

### 6 - "Subscriptions" Page

This page manages all the members and their movies subscriptions

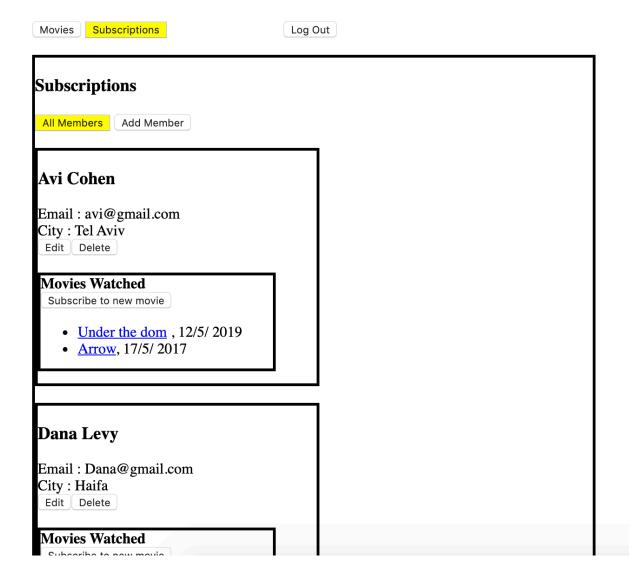
This page has a menu with 2 options:

- All Members (Default) present "All Memebers" page
- Add Member present "Add Member" page

### 7 – "All Members" Page

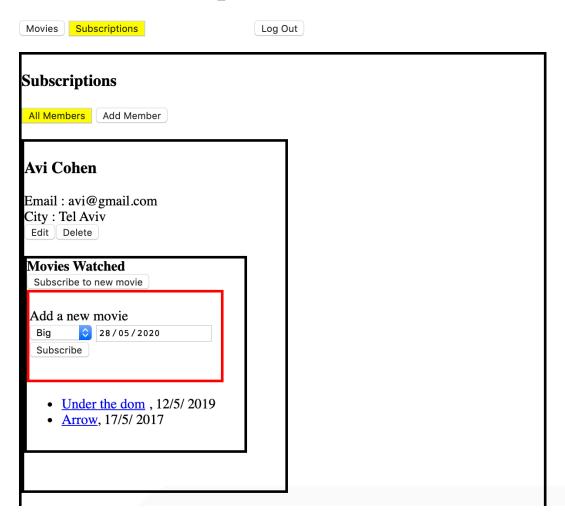
This page presents all the members and their movies they watched (subscribed to)

- Click on the "edit" button will redirect to "Edit Member" page
- Click on "Delete" button will delete all the user's data (including the relevant data from the movies data sources)



The "Watched Movies" section includes a list of links to the movies the member watched, and the date he watched them. Is also have a button for subscribing to a new movie.

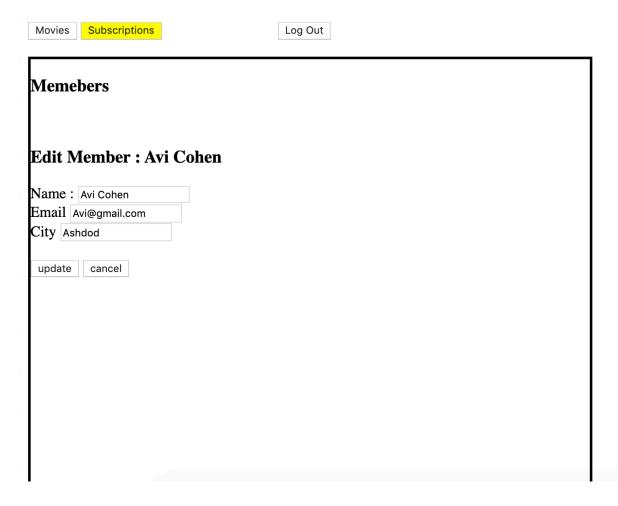
- A click on a movie link will redirect to "All Movies" page
- A click on "Subscribe on new movie" button will open a new section with a drop down with all the movies



- Click in "Subscribe" will add the subscription of that movies (at that date) to the member
- Another click on "Subscribe to new movie" button will close the "add new movie" section

#### 8 – "Edit Member" Page

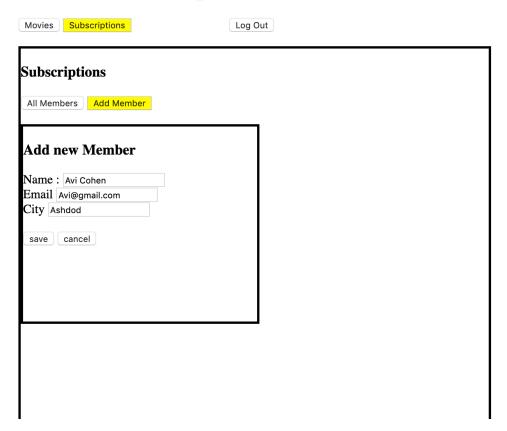
This page allows us to edit the member's data



- Click on "Update" button will update the member's data
- Click on "Delete" button will redirect back to the "All Members" Page

### 9 – "Add Member" Page

This page allows us to add a new member



- Click on "Save" button will create the new member
- Click on "Delete" button will redirect back to the "All Members" Page

# End