# 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 or WebAPI

The Data Layer:

The data will be stored in a MongoDB or SQL Server Data base and will stote 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

**Members**

- ID (PK)
- Email
- City

**Subscriptions**

- ID (PK)
- MovieID (FK)
- MemberID (FK)
- 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. A failed attempt will present a proper message in the same page (Login page).
**Once a user logged in – his name will be presented in all the site pages**



## Movies - Subscriptions Web Site

**Log in Page**

User name : _____
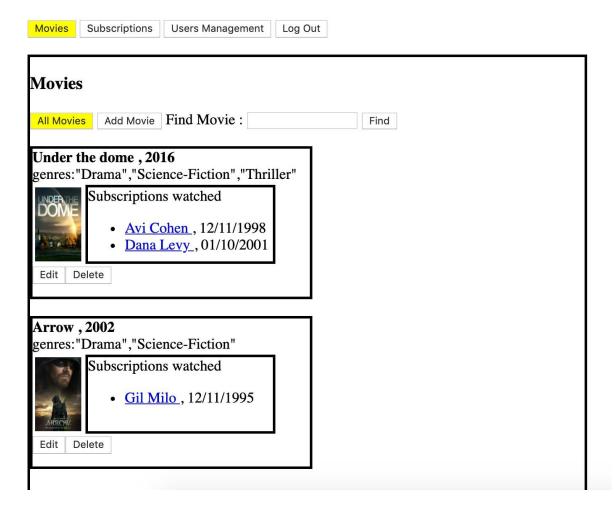Password : _____
Login

<u>2 – Movies Page</u>

This page has a menu with 2 options:

- "All Movies" (default) page

- "Add Movie" page

<u>3 – "All Movies" Page</u>

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

Each subscription name is a link.

# Movies - Subscriptions Web Site

Movies | Subscriptions | Users Management | Log Out

## Movies

All Movies | Add Movie | Find Movie : [_____] | Find

**Under the dome , 2016**
genres:"Drama","Science-Fiction","Thriller"

### Subscriptions watched

- Avi Cohen , 12/11/1998
- Dana Levy , 01/10/2001

Edit | Delete

**Arrow , 2002**
genres:"Drama","Science-Fiction"

### Subscriptions watched
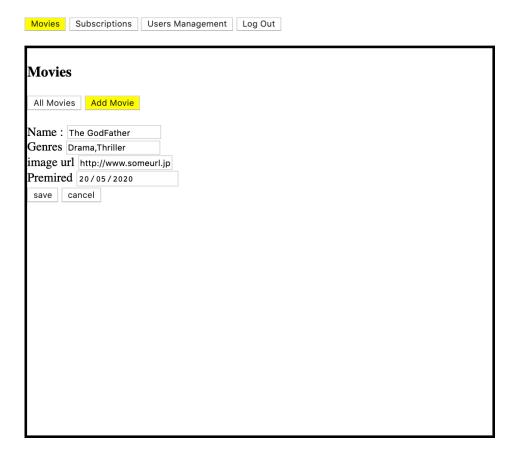
- Gil Milo , 12/11/1995

Edit | Delete

- 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
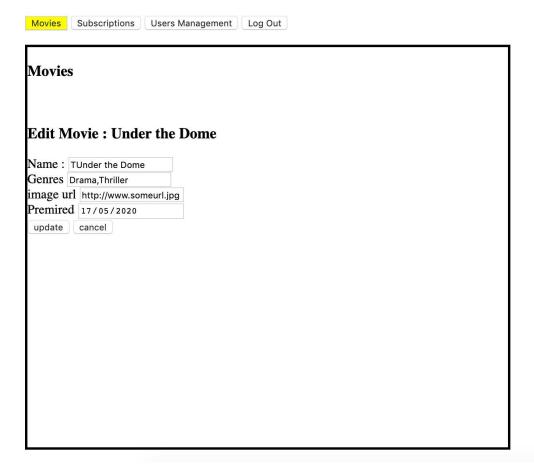
# Movies - Subscriptions Web Site

Movies | Subscriptions | Users Management | Log Out

## Movies

All Movies | Add Movie

Name : The GodFather
Genres Drama,Thriller
image url http://www.someurl.jp
Premired 20 / 05 / 2020
save | cancel

- 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

# Movies - Subscriptions Web Site

Movies | Subscriptions | Users Management | Log Out

**Movies**

**Edit Movie : Under the Dome**

Name : `TUnder the Dome`
Genres `Drama,Thriller`
image url `http://www.someurl.jpg`
Premired `17 / 05 / 2020`
`update`  `cancel`

- 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

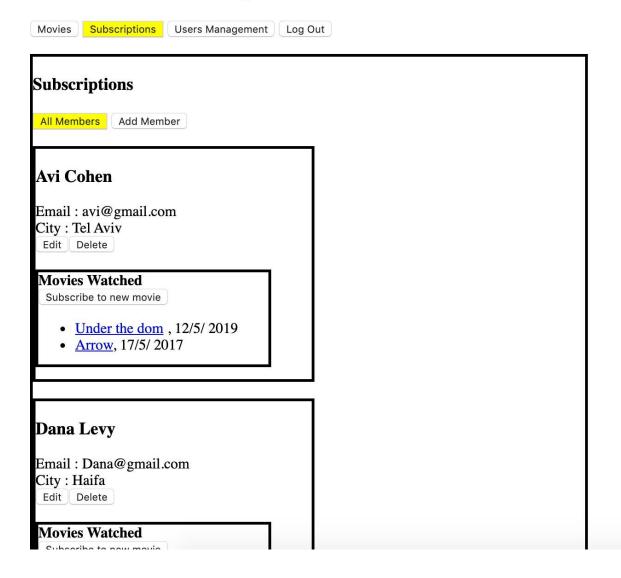This page manages all the members and their movies subscriptions

This page has a menu with 2 options:

- All Members (Default) – present "All Memebers" page
- Add Member – present "Add Member" page
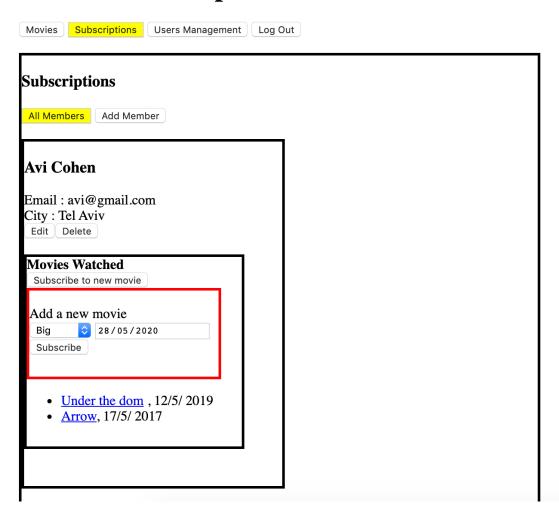
## 7 – "All Members" Page

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)

# Movies - Subscriptions Web Site

## Subscriptions

All Members | Add Member

### Avi Cohen

Email : avi@gmail.com
City : Tel Aviv

Edit | Delete

#### Movies Watched

Subscribe to new movie

- [Under the dom](#) , 12/5/ 2019
- [Arrow](#), 17/5/ 2017

### Dana Levy

Email : Dana@gmail.com
City : Haifa

Edit | Delete

#### Movies Watched

Subscribe to new movie

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.
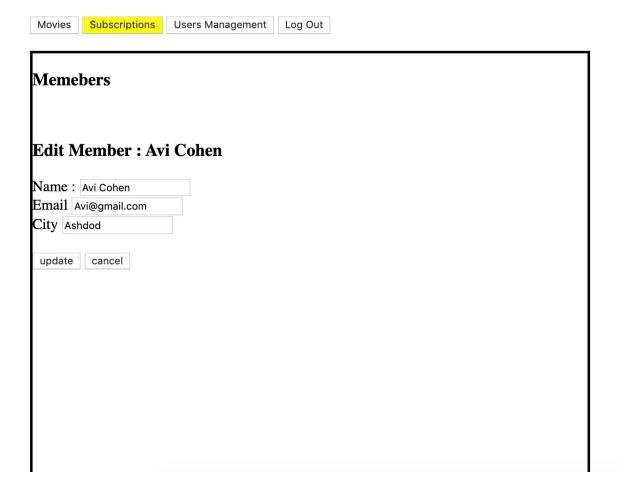
- A click on a movie link will redirect to "All Movies" page that present ONLY the selected movie.
- A click on "Subscribe on new movie" button will open a new section with a drop down with all the movies he has not watched yet, and a date for watching it.

---

# Movies - Subscriptions Web Site

| Movies | Subscriptions | Users Management | Log Out |

## Subscriptions

| All Members | Add Member |

### Avi Cohen

Email : avi@gmail.com
City : Tel Aviv
| Edit | Delete |

**Movies Watched**
| Subscribe to new movie |

Add a new movie
| Big ⇕ | 28 / 05 / 2020 |
| Subscribe |

- Under the dom , 12/5/ 2019
- Arrow, 17/5/ 2017

- 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

# Movies - Subscriptions Web Site

| Movies | Subscriptions | Users Management | Log Out |

## Memebers

## Edit Member : Avi Cohen

Name : `Avi Cohen`
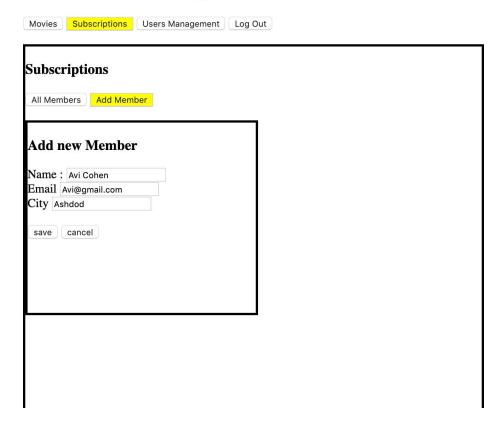Email `Avi@gmail.com`
City `Ashdod`

| update | cancel |

- 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

**This page is visible only to users with the right permission**

# Movies - Subscriptions Web Site

Movies | Subscriptions | Users Management | Log Out

## Subscriptions

All Members | Add Member

### Add new Member

Name : Avi Cohen
Email Avi@gmail.com
City Ashdod

save | cancel

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

# End