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

Delivery Date : 18/4/2021

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

<u>1 – Login Page</u>

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 : [   ]
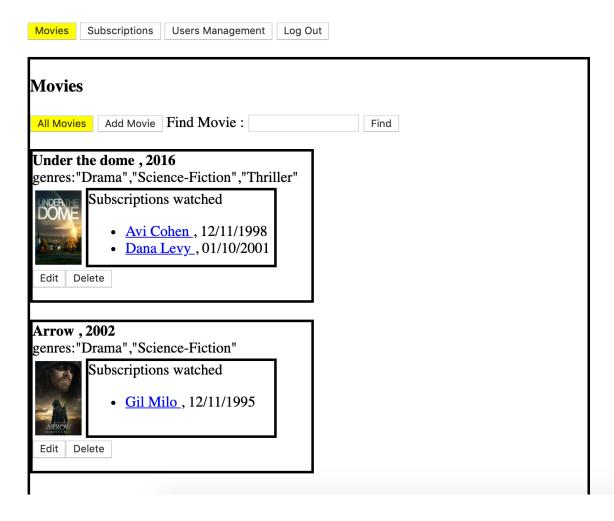[Login]

2 – Movies Page

This page has a menu with 2 options:

- "All Movies" (default) 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 a list of all the subscriptions that watched that movies (name + year)

Each subscription name is a link.

Movies - Subscriptions Web Site

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

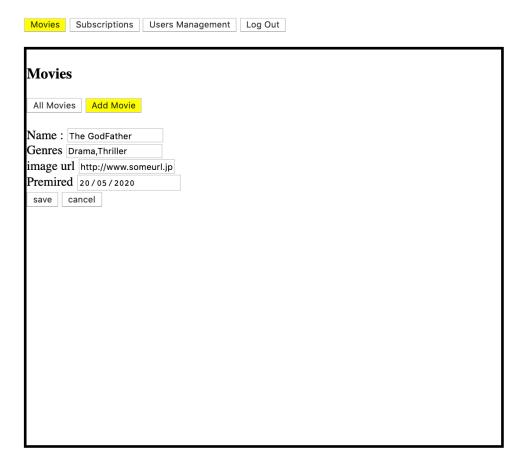- Gil Milo , 12/11/1995

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
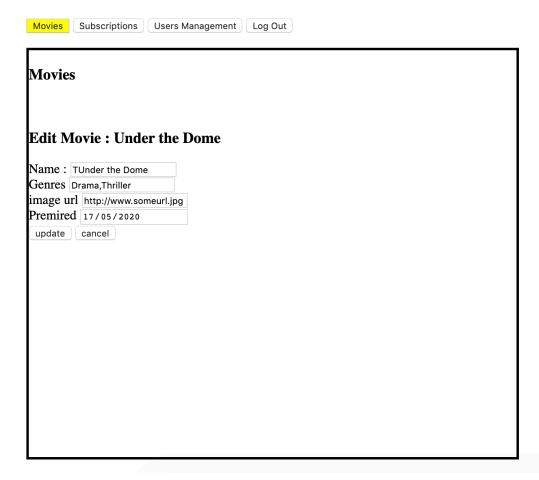
<u>4 – "Add Movie" Page</u>

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

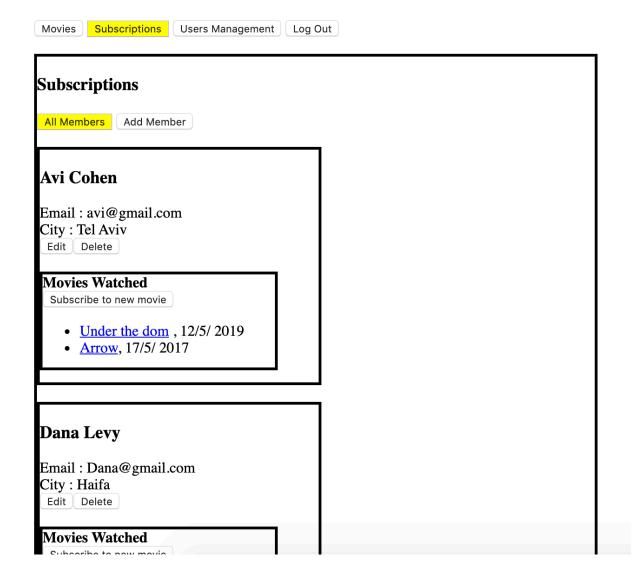This page manages all the members and their movies subscriptions

This page has a menu with 2 options:

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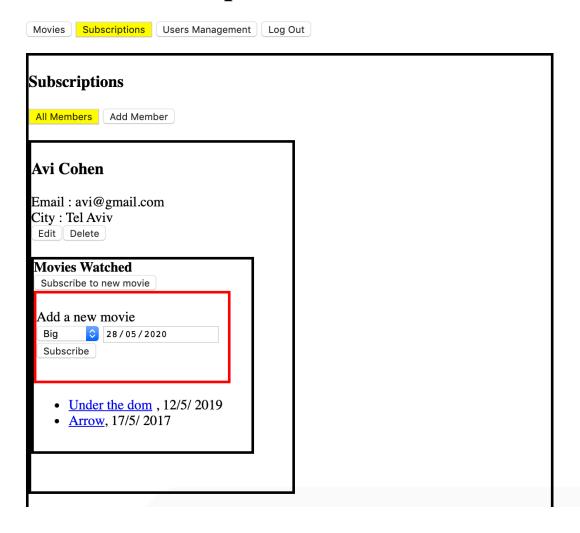
7 – "All Members" Page

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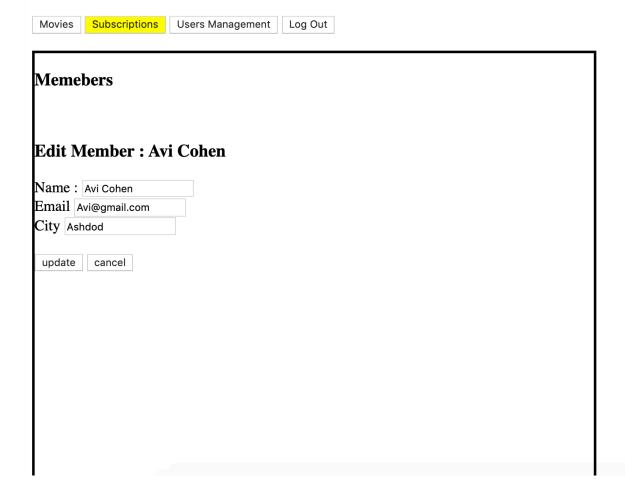
- A click on a movie link will redirect to "All Movies" page that present ONLY the selected movie.
- A click on "Subscribe on new movie" button will open a new section with a drop down with all the movies he has not watched yet, and a date for watching it.

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
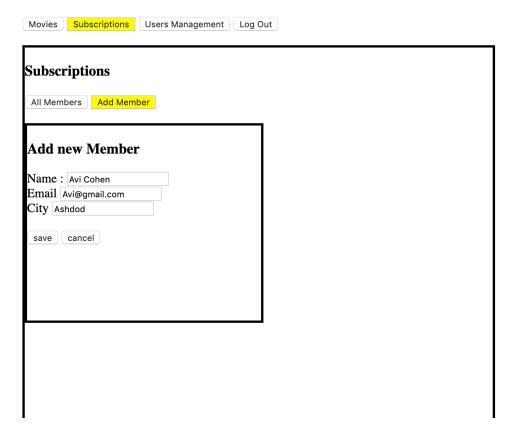Email Avi@gmail.com
City Ashdod

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