

# UNIVERSITY OF THE WEST INDIES, CAVE HILL CAMPUS

## Department of Computer Science, Mathematics & Physics

### COMP2245 – Web Development Concepts, Tools and Practices

#### Assignment 1

Due Date: **October 31<sup>th</sup> 2021 - Midnight**

**This assignment is worth 20% of your coursework**

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The focus of this assignment will be on HTML, CSS and a little JavaScript, for building a responsive website for fans of movies. The code below is the starting point for this assignment. Copy the code to a html file and open it in a web browser to see what it produces.

For this assignment you should use the mobile first approach, hence the any media queries will be applied for tablet and desktop mode.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>
<body>
  <main>
    
    
    
    
    
    
    
    
    
    
    
    
    
    
    
    
    
    
    
  </main>
</body>
</html>
```

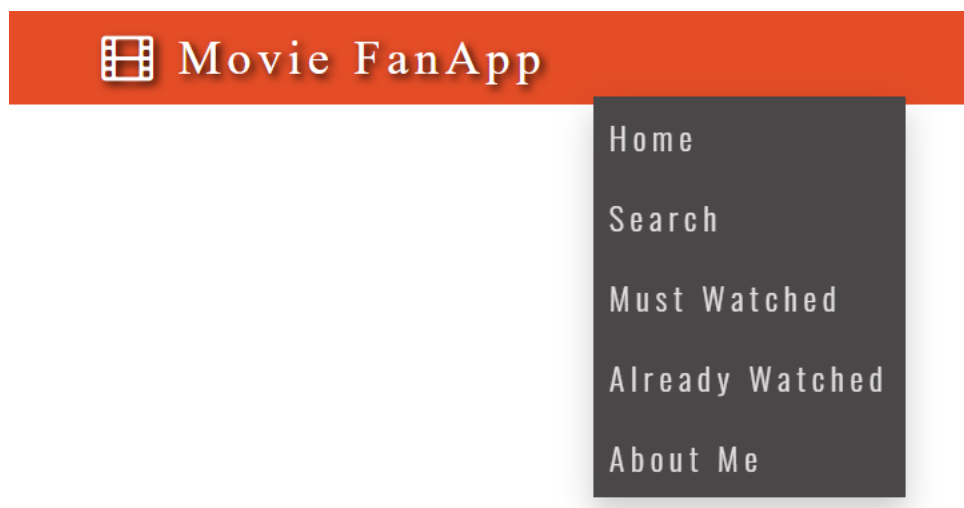
The above code should display a set of movie posters, when the width of the browser is open to the maximum (Desktop size) you should see two or more posters per row and when the browser is reduced to the minimum (Mobile size) you should see only one poster per row.

You are required to add code to produce a header to this page as seen below:

### Mobile and Tablet



When the bars to the right are clicked you should see a drop down menu as seen below:



The icons shown are from font-awesome which are:

Film icon is : `<i class="fa fa-film" aria-hidden="true"></i>`

Bars icon is : `<i class="fa fa-bars" aria-hidden="true"></i>`

### Desktop



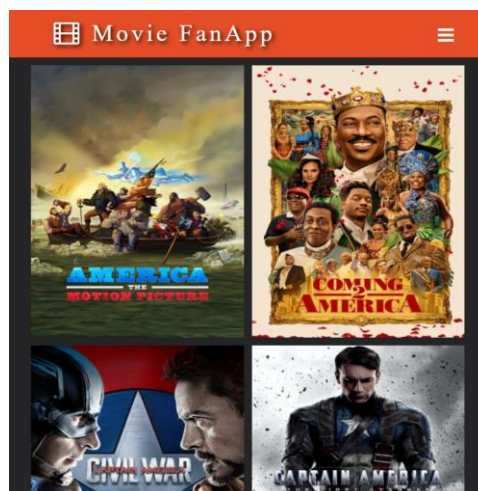
Notice in desktop mode the bars have been replaced with the actual text from the drop menu.

### Hints:

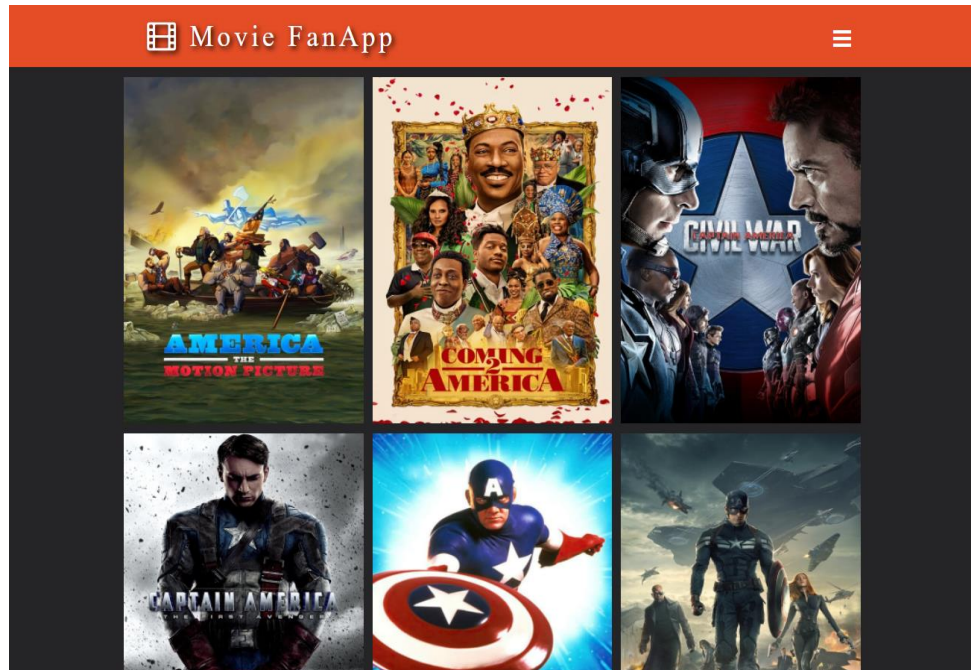
1. The font used can be obtained by places the following link to the top of the css file:  
`@import  
url('https://fonts.googleapis.com/css2?family=Oswald:wght@300&display=swap');`
2. Then setting the font family in the body tag of the HTML page to the following:  
`font-family: 'Oswald', sans-serif;`
3. Notice the letters have a little space between them; this is done by including the following css code for the target elements.  
`letter-spacing: 0.2rem;`
4. The orange is : #E44D26 and the menu grey is : #494747
5. Notice the shadow around the text in the header!; this is done by including the following css code for the target elements.  
`text-shadow: 2px 2px 4px #000000;`

Now taking a look at the **main** section of the page, below shows the format the images should have for mobile, tablet and desktop respectively:

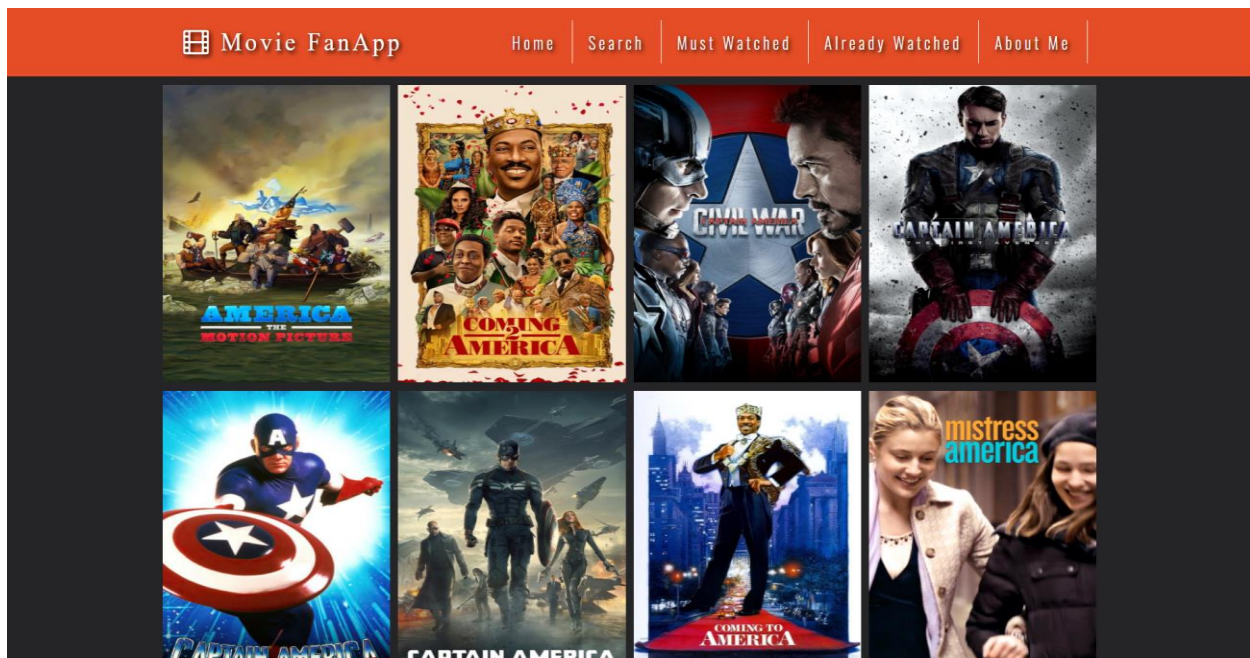
### Mobile:



**Tablet:**



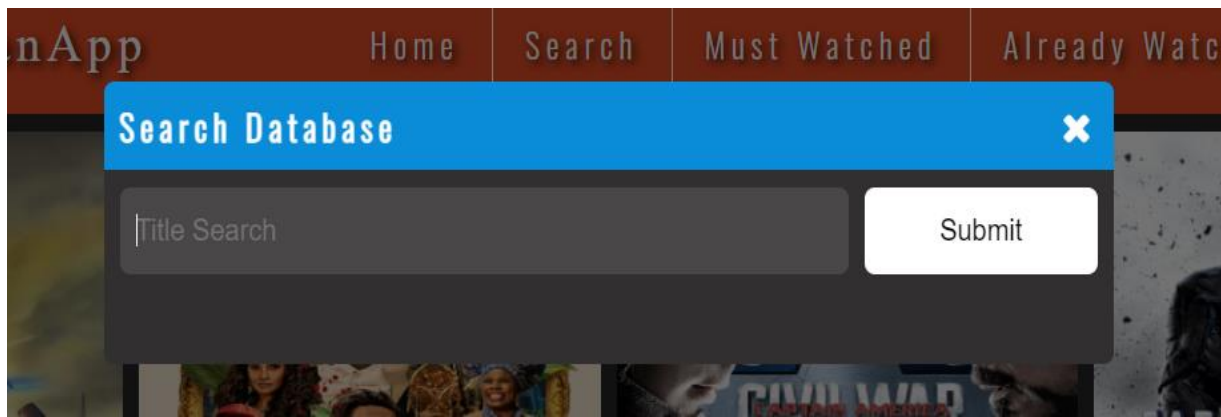
**Desktop:**



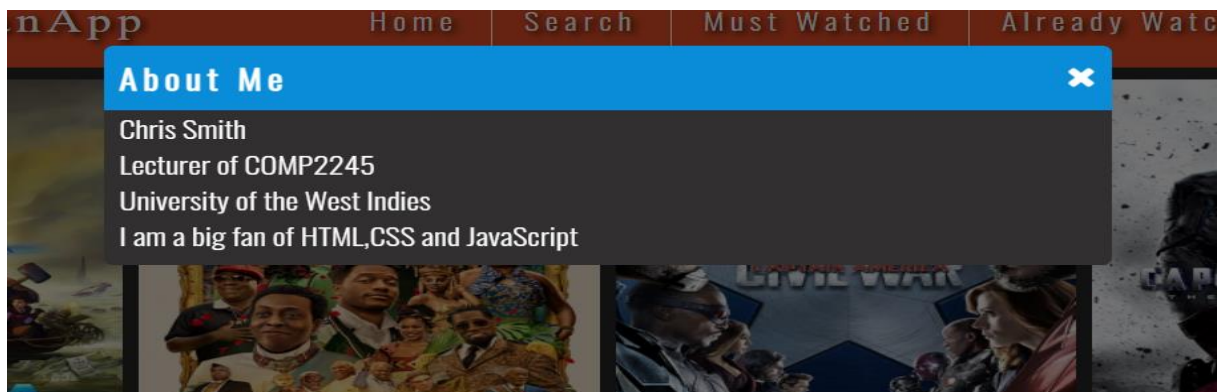
Next we will look at what should happen when the **Search** option from the menu is clicked. This option will provide a means to search the database (**in assignment 2**) for movies that contains the specified search text. The entire web page should

be darken and a popup “form” will be displayed, this popup will have a textbox for the user to specific the search phrase and a submit button which will ultimately send the search to the database (**in assignment 2**).

Below shows what it should look like on a desktop, it will look the same way on a mobile screen however on mobile the popup will be wider in proportion to that of the desktop view, for example, if the width of the popup is 40% of the desktop screen then on a mobile screen the width of the popup will probably have to be set at 70%:

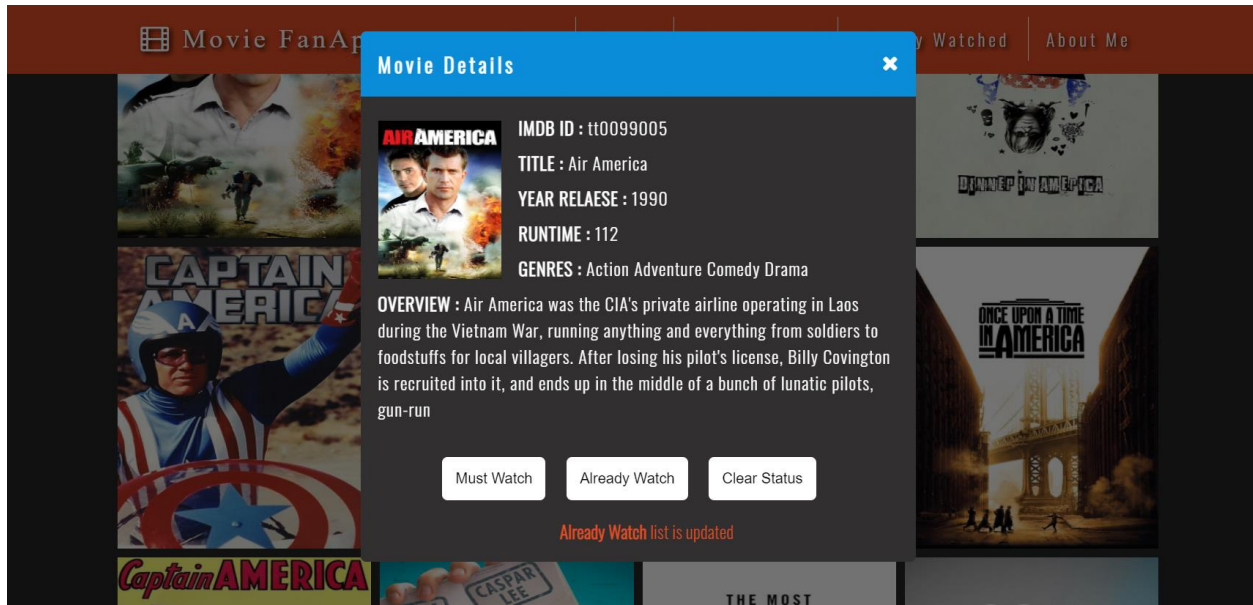


Next we will look at what should happen when the **About Me** option from the menu is clicked. This option should display a popup similar to the Search popup, and should have some basic information about you. Below shows an example of what it should look like:



The following image shows an example of a popup that should be displayed when any of the posters are clicked. For this assignment we do not have access to the details of any movie so you should just insert dummy information for the details.





For all the popups they should close when the X at the top right is clicked or if any area on the darken screen behind the popup is clicked, however if the body for the popup is click it should not close.

One last thing, when the user hover over any poster a 2px white border should appear around the image.

### Marks Scheme:

- |                               |           |
|-------------------------------|-----------|
| • Mobile first approach       | 5 Marks   |
| • Header for Mobile & Tablet  | 5 Marks   |
| • Header for Desktop          | 5 Marks   |
| • Responsive image formatting | 5 Marks   |
| • Search Popup                | 2.5 Marks |
| • About Me popup              | 2.5 Marks |
| • Movie Details               | 5 Marks   |
| • Look and Feel               | 5 Marks   |

**Total**

**35 Marks**