

# Assignment-1

## List of TV Shows

### PART-1 (HTML and CSS)

This part will have you practising the HTML and CSS that we learned in class. You are provided with screenshots and a description of a specific web page to replicate. The web page should be recreated exactly as shown in the screenshots.

#### Overall appearance

Here is a screenshot of the website you will be recreating:



Murilo Camargos



### The Witcher

Premiered at Netflix on 20/12/2019 (Running)

Based on the best-selling fantasy series, The Witcher is an epic tale of fate and family. Geralt of Rivia, a solitary monster hunter, struggles to find his place in a world where people often prove more wicked than beasts. But when destiny hurries him toward a powerful sorceress, and a young princess with a dangerous secret, the three must learn to navigate the increasingly volatile Continent together.

Genres: [Drama](#) [Action](#) [Fantasy](#)

Season



### Breaking Bad

Premiered at Netflix on 20/01/2008 (Ended)

Breaking Bad follows protagonist Walter White, a chemistry teacher who lives in New Mexico with his wife and teenage son who has cerebral palsy. White is diagnosed with Stage III cancer and given a prognosis of two years left to live. With a new sense of fearlessness based on his medical prognosis, and a desire to secure his family's financial security, White chooses to enter a dangerous world of drugs and crime and ascends to power in this world. The series explores how a fatal diagnosis such as White's releases a typical man from the daily concerns and constraints of normal society and follows his transformation from mild family man to a kingpin of the drug trade.

Genres: [Drama](#) [Crime](#) [Thriller](#)

Season



### Game of Thrones

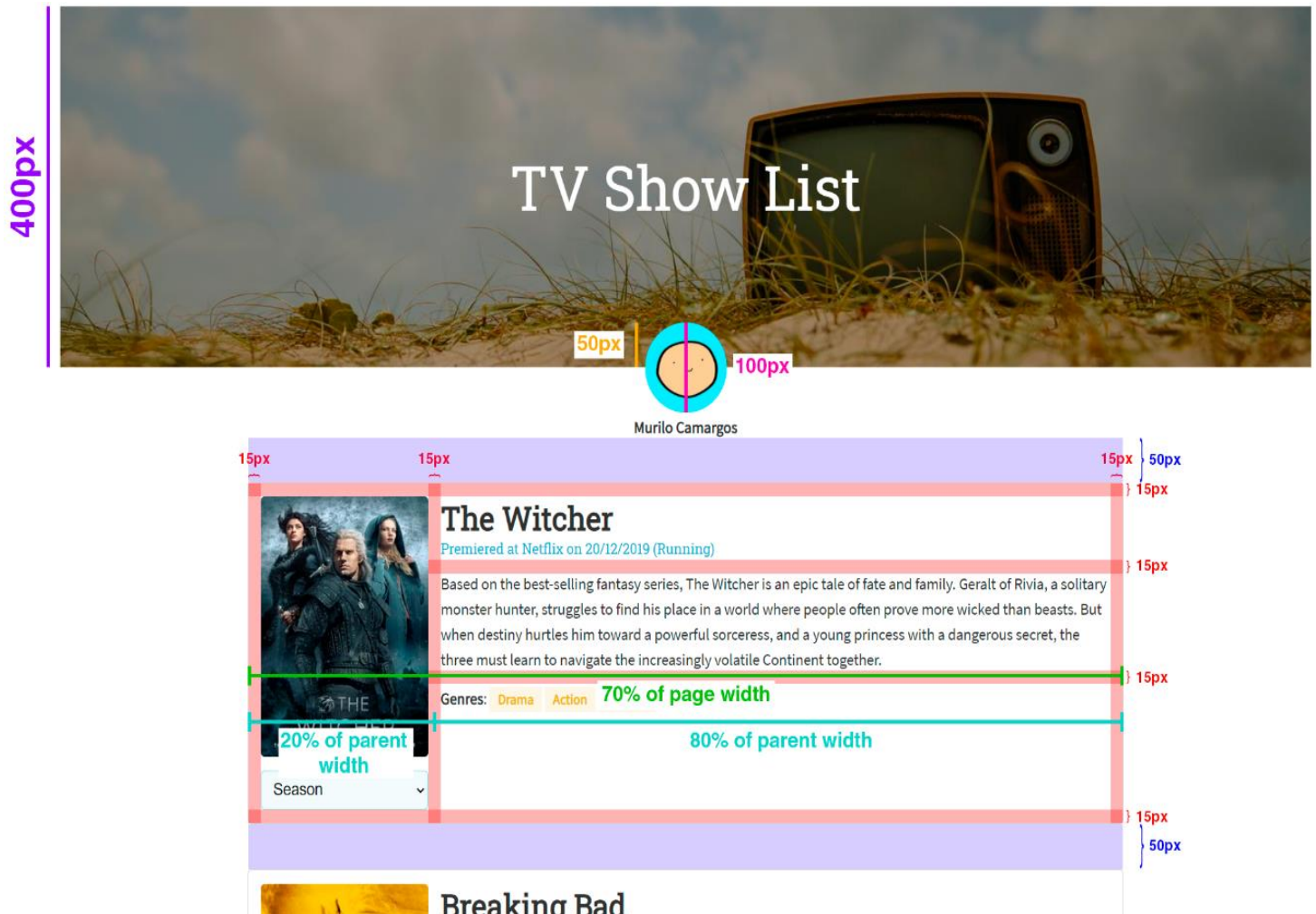
Premiered at HBO on 17/04/2011 (Ended)

Based on the bestselling book series A Song of Ice and Fire by George R.R. Martin, this sprawling new HBO drama is set in a world where summers span decades and winters can last a lifetime. From the scheming south

Note that you do not have to type in the contents of the page.

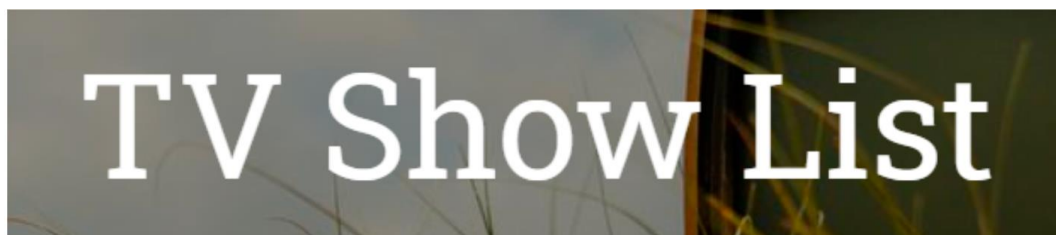
- The text of the article is contained within constants.js
- Copy and paste the text of tv-shows.txt into your index.html file, then add the HTML tags necessary to style the page.
- The images are also in the images/ directory
- 

### Section measurements



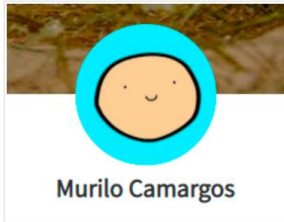
### Font faces, sizes, and colors

Page Title:



- The font face is 'Roboto Slab' and the fallback font is serif.
- The font size is 36px.
- The font weight is normal (not bold).
- The font color is white.
- The title is vertical and center aligned to the header image.

#### Profile Text:



- The font face is 'Source Sans Pro' and the fallback font is sans-serif.
- The font size is 18px.
- The font weight for the author name (e.g. "Murilo Camargos" you can give any name) is bold
- The font color is rgb(51, 51, 51).

#### Body Text:

## The Witcher

Premiered at Netflix on 20/12/2019 (Running)

Based on the best-selling fantasy series, The Witcher is an epic tale of fate and family. Geralt of Rivia, a solitary monster hunter, struggles to find his place in a world where people often prove more wicked than beasts. But when destiny hurtles him toward a powerful sorceress, and a young princess with a dangerous secret, the three must learn to navigate the increasingly volatile Continent together.

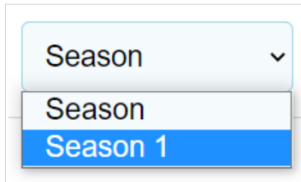
- Heading
  - The font face is 'Roboto Slab' and the fallback font is serif.
  - The font size is 36px.
  - The font weight is bold.
  - The title color is rgb(51, 51, 51).
- Address
  - The address under the heading is a link and is described in the Links section.
- Paragraphs
  - The font face is 'Source Sans Pro' and the fallback font is sans-serif.
  - The font size is 18px.
  - The line height 32px.
  - The font color is rgb(51, 51, 51).

#### Genres list:

Genres: Drama Action Fantasy

- The font face is 'Source Sans Pro' and the fallback font is sans-serif.
- The font size is 18px.
- The font weight is bold.
- The font color is rgb(51, 51, 51).
- Each genre
  - The font color is rgb(230, 181, 11)
  - The background color is rgba(230, 181, 11, 0.1)
  - The font size is 16px

### Season list:



- The font face is 'Source Sans Pro' and the fallback font is sans-serif.
- The background color is rgba(66, 180, 214, 0.05)
- The border color is rgba(66, 180, 214, 0.5)
- You should use a component you don't know yet: select
- The syntax is quite simple:

```
<select>
  <option value="valor-1">Valor 1</option>
  <option value="valor-2">Valor 2</option>
</select>
```

- To override the browser's default border behavior you can use outline: none;

### Links

Here is a description of how links should work on your page:

- Each address of the page is a link. The URL for each link is listed in tv-shows.txt.
- The link color is rgba(66, 180, 214).
- The link is not bold, and the link is not underlined unless you hover over the link.
- When you hover over the link, the link becomes underlined.
- Hints:
  - To remove an underline, you can use CSS property text-decoration: none;
  - To add an underline, you can use CSS property text-decoration: underline;

### Images

- Header image
  - The header is a background image (images/header.jpg).
    - Note: To reference the image from the css/ folder, the path needs to be ../images/header.jpg

- The background does not repeat.
- The background's size is set to cover.
- The background position is anchored to the top.
- Its height is 400px.
- There is a semi-transparent color overlay on top of the header image, which is `rgba(0, 0, 0, .3)`
  - Note: You can achieve this using the following CSS rule:
  - `background-image: linear-gradient(rgba(0, 0, 0, .3), rgba(0, 0, 0, .3)), url(../images/header.jpg);`
- Profile image
  - The profile image is `images/profile.png`
    - Note: To reference the image from the `css/` folder, the path needs to be `../images/profile.png`
  - Its width is 100px.
  - It has rounded corners with radius 100px.

## HTML and CSS style requirements

For full marks, please abide by the following:

- Use HTML and CSS we've learned in class. You should be able to complete this part using HTML and CSS we've learned in class. While you are not strictly forbidden from using HTML/CSS we haven't talked about in class, if you use it incorrectly you may be marked down.
- Do not use JavaScript for this part. There's no need to use JavaScript in this part.
- Respect Separation of Concerns. Your HTML should describe the content of your page, and your CSS should describe your page's appearance.
- Follow the best practices that were described in lecture.
- Reduce redundancy in CSS. Try not to have too many redundant styles, if there are ways to use inheritance or special selectors to concisely define style rules.
- Match the given appearance as closely as possible. It's fine if your web page is off from our description by a few pixels here and there, but noticeable differences may result in a lower score.
- Use descriptive names, consistent spacing, and otherwise follow good code hygiene.

## Files to submit for part-1

- `styles.css` : Should describe your page's appearance
- `index.html` : Should describe the content of your page

## PART-2 (JavaScript)

In this part, you will be practicing the JS we learned in class. You are given screenshots and a description of a specific web page to replicate. Most of the page style and appearance was already done in part- 1. In this part you will exercise some concepts of responsive web design and event-driven programming.



# TV Show List



Murilo Camargos

Total Time Spent

0 days, 0 hours, 0 minutes



## The Witcher

Premiered at Netflix on 20/12/2019 (Running)

Based on the best-selling fantasy series, The Witcher is an epic tale of fate and family. Geralt of Rivia, a solitary monster hunter, struggles to find his place in a world where people often prove more wicked than beasts. But when destiny hurls him toward a powerful sorceress, and a young princess with a dangerous secret, the three must learn to navigate the increasingly volatile Continent together.

Genres: **Drama** **Action** **Fantasy**

### Season 1

☐ Marcar todos



#### ☐ S01E01: The End's Beginning

20/12/2019

Hostile townsfolk and a cunning mage greet Geralt in the town of Blaviken. Ciri finds her royal world upended when Nilfgaard sets its sights on Cintra.



#### ☐ S01E02: Four Marks

20/12/2019

Bullied and neglected, Yennefer accidentally finds a means of escape. Geralt's hunt for a so-called devil goes to hell. Ciri seeks safety in numbers.



#### ☐ S01E03: Betrayer Moon

20/12/2019

Geralt takes on another Witcher's unfinished business in a kingdom stalked by a ferocious beast. At a brutal cost, Yennefer forges a magical new future.



#### ☐ S01E04: Of Banquets, Bastards and Burials

20/12/2019

Against his better judgment, Geralt accompanies Jaskier to a royal ball. Ciri wanders into an enchanted forest. Yennefer tries to protect her charges.



#### ☐ S01E05: Bottled Appetites

20/12/2019

Heedless of warnings, Yennefer looks for a cure to restore what she's lost. Geralt inadvertently puts Jaskier in peril. The search for Ciri intensifies.



#### ☐ S01E06: Rare Species

20/12/2019

A mysterious man tries to entice Geralt to join a hunt for a rampaging dragon, a quest that attracts a familiar face. Ciri questions who she can trust.



#### ☐ S01E07: Before a Fall

20/12/2019

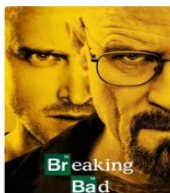
With the Continent at risk from Nilfgaard's rising power, Yennefer revisits her past, while Geralt reconsiders his obligation to the Law of Surprise.



#### ☐ S01E08: Much More

20/12/2019

A terrifying pack of foes lays Geralt low. Yennefer and her fellow mages prepare to fight back. A shaken Ciri depends on the kindness of a stranger.



## Breaking Bad

Premiered at AMC on 20/01/2008 (Ended)

Breaking Bad follows protagonist Walter White, a chemistry teacher who lives in New Mexico with his wife and teenage son who has cerebral palsy. White is diagnosed with Stage III cancer and given a prognosis of two years left to live. With a new sense of fearlessness based on his medical prognosis, and a desire to secure his family's financial security, White chooses to enter a dangerous world of drugs and crime and ascends to power in this world. The series explores how a fatal diagnosis such as White's releases a typical man from the daily concerns and constraints of normal society and follows his transformation from mild family man to a kingpin of the drug trade.

Genres: **Drama** **Crime** **Thriller**



## Game of Thrones

Premiered at HBO on 17/04/2011 (Ended)

Based on the bestselling book series A Song of Ice and Fire by George R.R. Martin, this sprawling new HBO drama is set in a world where summers span decades and winters can last a lifetime. From the scheming south and the savage eastern lands, to the frozen north and ancient Wall that protects the realm from the mysterious darkness beyond, the powerful families of the Seven Kingdoms are locked in a battle for the Iron Throne. This is a story of duplicity and treachery, nobility and honor, conquest and triumph. In the Game of Thrones, you either win or you die.

Genres: **Drama** **Adventure** **Fantasy**

Season

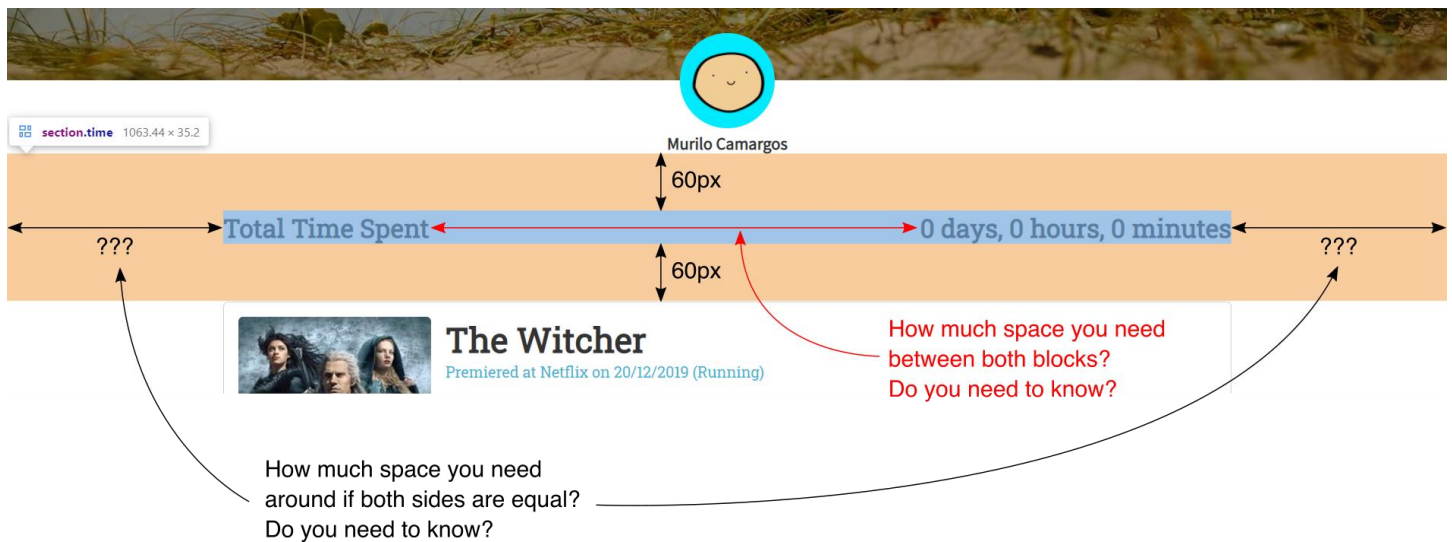
## Note the differences from part 1:

- For each season of each show you have an episode list; each one of them has image, title, description, air date and duration.
- You also have a top disclaimer to show how much time you spent watching all those episodes.
- The content for shows and episodes are in the constants.js file.
- You should use the style.css you've made in the previous part with small changes.
- Only the head section of the index.html should be modified to meet the criteria. That means that all content should be be inserted in the DOM through JS.
- The images are also in the images/ directory of the part 1 starter code.

## Section measurements

### Total time spent

- The Total Time Spent block has the same width as the show list block, which is 70% of the page.
- It has a margin of 60px in the vertical direction.
- Between the title Total Time Spent and the actual value of the time spent, there is as much space as it fits.



## Episode spacing

- Each episode component should have a margin of 15px in the vertical direction.
- The space between the checkbox and the episode's title is 10px.
- The image takes 25% of the block's total width and the content takes the rest of it (75%, including the padding)

## Season 1

☐ Marcar todos



25% of block's width

15px  
10px

### ☐ S01E01: The End's Beginning

20/12/2019

Hostile townsfolk and a cunning mage greet Geralt in the town of Blaviken. Ciri finds her royal world upended when Nilfgaard sets its sights on Cintra.

75% of block's width

15px

15px

Font faces, sizes, and colors

Total time spent title:

Total Time Spent

0 days, 0 hours, 0 minutes

- The font face is 'Roboto Slab' and the fallback font is serif.
- The font size is 27px.
- The font weight is bold.
- The font color is rgb(51, 51, 51).

Season title:

## Season 1

- The font face is 'Roboto Slab' and the fallback font is serif.
- The font size is 27px.
- The font weight is bold.
- The font color is rgb(66, 180, 214).

Episode block text:



### ☐ S01E01: The End's Beginning

20/12/2019

Hostile townsfolk and a cunning mage greet Geralt in the town of Blaviken. Ciri finds her royal world upended when Nilfgaard sets its sights on Cintra.

Title

- The font face is 'Source Sans Pro' and the fallback font is sans-serif.
- The font size and weight:



- The font size is 1.17em.
- The font weight is bold.
- Note: you can get this features “for free” using h3 tag.
- The title color is rgb(51, 51, 51).

## Date

- The font face is 'Source Sans Pro' and the fallback font is sans-serif.
- The font size is 14px.
- The font weight is normal.
- The title color is gray.


## Description

- The font face is 'Source Sans Pro' and the fallback font is sans-serif.
- The font size is 18px.
- The line height 28px.
- The font color is rgb(51, 51, 51).

## Interactive components:

### The select element for TV shows seasons.

- When selecting a season from a given TV show, all the season information of that TV show must be hidden, except the selected season.



## Breaking Bad

Premiered at AMC on 20/01/2008 (Ended)

Breaking Bad follows protagonist Walter White, a chemistry teacher who lives in New Mexico with his wife and teenage son who has cerebral palsy. White is diagnosed with Stage III cancer and given a prognosis of two years left to live. With a new sense of fearlessness based on his medical prognosis, and a desire to secure his family's financial security, White chooses to enter a dangerous world of drugs and crime and ascends to power in this world. The series explores how a fatal diagnosis such as White's releases a typical man from the daily concerns and constraints of normal society and follows his transformation from mild family man to a kingpin of the drug trade.

Genres: Drama Crime Thriller

Season 2
Season
Season 1
Season 2
Season 3
Season 4
Season 5

☐ Marcar todos

☐ S02E01: Seven Thirty-Seven
08/03/2009
Season 2 kicks off with Walt and Jesse once again bearing witness to Tuco's incendiary disposition, which leads them to the conclusion that it's time to put an end to their business dealings with him. But the question is how. Meanwhile, Hank serves as a go-between for estranged sisters Skyler and Marie.

### The checkbox for 'Marcar todos'.

- When checking the “Marcar todos” checkbox, all individual checkboxes for each episode of that TV show season must be checked.
- Upon the unchecking event, all must be unchecked as well.

## Season 1

☒ Marcar todos



☒ S01E01: The End's Beginning

20/12/2019

Hostile townsfolk and a cunning mage greet Geralt in the town of Blaviken. Ciri finds her royal world upended when Nilfgaard sets its sights on Cintra.



☒ S01E02: Four Marks

20/12/2019

Bullied and neglected, Yennefer accidentally finds a means of escape. Geralt's hunt for a so-called devil goes to hell. Ciri seeks safety in numbers.



☒ S01E03: Betrayer Moon

20/12/2019

Geralt takes on another Witcher's unfinished business in a kingdom stalked by a ferocious beast. At a brutal cost, Yennefer forges a magical new future.



☒ S01E04: Of Banquets, Bastards and Burials

20/12/2019

Against his better judgment, Geralt accompanies Jaskier to a royal ball. Ciri wanders into an enchanted forest. Yennefer tries to protect her charges.

### The relation between the checkbox elements and the total time spent

- When checking a single checkbox, or even from the “Marcar todos” checkbox, you should sum the each episode’s runtime to compute the total time spent watching all checked episodes.
- The runtime of each episode is available in the constants.js file.
- Hint: you can take advantage of the data- attributes.

Total Time Spent

0 days, 7 hours, 57 minutes



The screenshot shows the Netflix page for 'The Witcher'. A red arrow points from the 'Total Time Spent' text to the '0 days, 7 hours, 57 minutes' text. Another red arrow points from the 'Season 1' dropdown menu to the 'S01E01: The End's Beginning' episode. A third red arrow points from the 'S01E01: The End's Beginning' episode to the '0 days, 7 hours, 57 minutes' text. The page includes the show's title, description, genres (Drama, Action, Fantasy), and a list of episodes.

**The Witcher**  
Premiered at Netflix on 20/12/2019 (Running)

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Genres: **Drama** **Action** **Fantasy**

**Season 1**

☒ Marcar todos

**S01E01: The End's Beginning**  
20/12/2019  
Hostile townsfolk and a cunning mage greet Geralt in the town of Blaviken. Ciri finds her roval world upended when Nilfgaard sets its sights on Cintra.

Provided file:

**constants.js**

- This file contains the definition of the object TV\_SHOWS with all information on TV Shows.
- Because this variable is declared in the global scope, you can access this variable in script.js.
- You should not have to modify this file to solve the part.

File to submit for part-2:

**Index.html**

- All structural elements should be present accordingly

**style.css**

- Use relative font-sizes with media queries to make the page responsive.

**script.js**

- This is the file in which we expect you to implement the page behavior.
- You should define and attach event listeners in this file.