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GitHub link:

https://github.com/LukeT11/WebMobileProgramming/tree/main/Web_Lessons/Web_ICP2

Web ICP 2

Introduction to HTML and CSS

Introduction

HTML, Hyper Text Markup Language, is a markup language used to build websites. It creates the foundation or structure of a web page. This includes all the text and content that is seen within it.

CSS, Cascading Style Sheets, is a style sheet language used to design how all the elements are displayed within a web page. This is how everything on the web page is visually laid out such as styling of the text, colors, how the content is organized and where it's located.

Using HTML and CSS, I designed a simple web page using some of the basic elements to display the usefulness of the two.

Tasks

ICP2 tasks, description and example uses.

ICP2 Tasks (HTML and CSS):

- Create an HTML document named “index.html”
- Page should include
 - Paragraphs
 - Headings
 - Unordered and ordered list
 - div and span elements
 - Block and inline elements
 - Images that are clickable

HTML Document

This is the creation and source product of my HTML document.

```
Source files index.html
1 <!--
2   Luke Talcott
3   ICP2
4 -->
5
6 <!-- Popular Movie Franchises -->
7
8 <!DOCTYPE html>
9 <html lang="en">
10
11 <!-- Header -->
12 <head>
13   <meta charset="UTF-8">
14   <title>ICP2</title>
15   <link rel="stylesheet" type="text/css" href="styles/index.css">
16 </head>
17
18 <!-- Body -->
19 <body>
20
21 <!-- Title and Description of the page -->
22 <div>
23   <h1><span id="PopularHeader">Popular</span> <span id="MovieHeader">Movie</span> <span id="FranchisesHeader">Franchises</span></h1>
24   <p id="ShortDescriptionPage"><em>* Just a few of the most popular movie franchises that have had an impact on shaping the film industry to w
25 </div>
26
27 <!-- Category Boxes of Movie Franchises-->
```

```
28 <div class="MovieFranchises">
29
30   <!-- Marvel Franchise Box -->
31   <div class="Marvel_Container">
32     <!-- Marvel Logo clickable-->
33     <a href="https://upload.wikimedia.org/wikipedia/commons/b/b9/Marvel_Logo.svg" target="_blank">
34       
35     </a>
36     <!-- Marvel Description and Header -->
37     <p class="DescriptionFran" id="DescriptionMarvel">The <span class="UseOfFranTerm">Marvel Cinematic Universe</span>, which began in 2008,
38     <h2 class="MovieFranHeaders" id="MarvelHeader">Marvel Cinematic Universe: </h2>
39     <!-- Marvel film list -->
40     <ul class="ListContentText" id="Marvellist">
41       <li>Iron Man (2008)</li>
42       <li>The Incredible Hulk (2008)</li>
43       <li>Iron Man 2 (2010)</li>
44       <li>Thor (2011)</li>
45       <li>Captain America: The First Avenger (2011)</li>
46       <li>The Avengers (2012)</li>
47       <li>Iron Man 3 (2013)</li>
48       <li>Thor: The Dark World (2013)</li>
49       <li>Captain America: The Winter Soldier (2014)</li>
50       <li>Guardians of the Galaxy (2014)</li>
51       <li>Avengers: Age of Ultron (2015)</li>
52       <li>Ant-Man (2015)</li>
53       <li>Captain America: Civil War (2016)</li>
54       <li>Doctor Strange (2016)</li>
```

```
55 </li>Guardians of the Galaxy Vol.2 (2017)</li>
56 </li>Spider-Man: Homecoming (2017)</li>
57 </li>Thor: Ragnarok (2017)</li>
58 </li>Black Panther (2018)</li>
59 </li>Avengers: Infinity War (2018)</li>
60 </li>Ant-Man and the Wasp (2018)</li>
61 </li>Captain Marvel (2019)</li>
62 </li>Avengers: Endgame (2019)</li>
63 </li>Spider-Man: Far From Home (2019)</li>
64 </li>Black Widow (2021)</li>
65 </li>Shang-Chi and the Legend of the Ten Rings (2021)</li>
66 </li>Eternals (2021)</li>
67 </li>Spider-Man: No Way Home (2021)</li>
68 </ul>
69 <p id="MarvelMorePara">(Still continuing with upcoming projects)</p>
70 </div>
71
72 <!-- Star Wars Franchise Box -->
73 <div class="StarWars_Container">
74 <!-- Star Wars Logo clickable -->
75 <a href="https://upload.wikimedia.org/wikipedia/commons/thumb/6/6c/Star_Wars_Logo.svg/1200px-Star_Wars_Logo.svg.png" target="_blank">
76 
78 <!-- Star Wars description and header -->
79 <p class="DescriptionFran" id="DescriptionStarWars"><span class="UseOfFranTerm">Star Wars</span> revolutionized the film industry forev
80 <h2 class="MovieFranHeaders" id="StarWarsHeader">Star Wars Saga: </h2>
81 <!-- Star Wars film list -->
```

```
82 <ol class="ListContentText" id="StarWarsList">
83 <li>Star Wars: Episode I - The Phantom Menace (1999)</li>
84 <li>Star Wars: Episode II - Attack of the Clones (2002)</li>
85 <li>Star Wars: Episode III - Revenge of the Sith (2005)</li>
86 <li>Star Wars: Episode IV - A New Hope (1977)</li>
87 <li>Star Wars: Episode V - The Empire Strikes Back (1980)</li>
88 <li>Star Wars: Episode VI - Return of the Jedi (1983)</li>
89 <li>Star Wars: Episode VII - The Force Awakens (2015)</li>
90 <li>Star Wars: Episode VIII - The Last Jedi (2017)</li>
91 <li>Star Wars: Episode IX - The Rise of Skywalker (2019)</li>
92 </ol>
93 </div>
94
95 <!-- Harry Potter Franchise Box -->
96 <div class="HarryPotter_Container" id="HarryPotterList">
97 <!-- Harry Potter Logo clickable -->
98 <a href="https://logos-world.net/wp-content/uploads/2020/04/Harry-Potter-Logo-1997-present.jpg" target="_blank">
99 
101 <!-- Harry Potter description and header -->
102 <p class="DescriptionFran" id="DescriptionHarryPotter">The <span class="UseOfFranTerm">Harry Potter</span> franchise consists of 8 film
103 <h2 class="MovieFranHeaders" id="HarryPotterHeader">Harry Potter: </h2>
104 <!-- Harry Potter film list -->
105 <ol class="ListContentText">
106 <li>Harry Potter and the Sorcerer's Stone (2001)</li>
107 <li>Harry Potter and the Chamber of Secrets (2002)</li>
108 <li>Harry Potter and the Prisoner of Azkaban (2004)</li>
```

```
109 <li>Harry Potter and the Goblet of Fire (2005)</li>
110 <li>Harry Potter and the Order of the Phoenix (2007)</li>
111 <li>Harry Potter and the Half-Blood Prince (2009)</li>
112 <li>Harry Potter and the Deathly Hallows: Part 1 (2010)</li>
113 <li>Harry Potter and the Deathly Hallows: Part 2 (2011)</li>
114 </ol>
115 </div>
116
117 <!-- DC Franchise Box -->
118 <div class="DC_Container" id="DCList">
119   <!-- DC Logo clickable -->
120   <a href="https://upload.wikimedia.org/wikipedia/commons/thumb/3/3d/DC_Comics_logo.svg/1200px-DC_Comics_logo.svg.png" target="_blank">
121     
122   </a>
123   <!-- DC description and header -->
124   <p class="DescriptionFran" id="DescriptionDC"><span class="UseOfFranTerm">DC</span> films have had many adaptations of the comics spanning
125   <h2 class="MovieFranHeaders" id="DCHeader">DC Extended Universe: </h2>
126   <!-- DC film list -->
127   <ul class="ListContentText">
128     <li>Man of Steel (2013)</li>
129     <li>Batman Vs. Superman: Dawn of Justice (2016)</li>
130     <li>Suicide Squad (2016)</li>
131     <li>Wonder Woman (2017)</li>
132     <li>Justice League (2017)</li>
133     <li>Aquaman (2018)</li>
134     <li>Shazam! (2019)</li>
135     <li>Birds of Prey (2020)</li>
```

```
136 <li>Wonder Woman 1984 (2020)</li>
137 <li>Zack Snyder's Justice League (2021)</li>
138 <li>The Suicide Squad (2021)</li>
139 </ul>
140 </div>
141 </div>
142
143 <!-- Copyright, Sources and Date Bottom Page -->
144 <div>
145   <p id="SourcesText">Sources: Logos
146     <span class="SourceLogoText"><a href="https://commons.wikimedia.org/wiki/File:Marvel_Logo.svg" target="_blank">Marvel Logo</a></span>
147     <span class="SourceLogoText"><a href="https://en.wikipedia.org/wiki/File:Star_Wars_Logo.svg" target="_blank">Star Wars Logo</a></span>
148     <span class="SourceLogoText"><a href="https://logos-world.net/harry-potter-logo/" target="_blank">Harry Potter Logo</a></span>
149     <span class="SourceLogoText"><a href="https://en.wikipedia.org/wiki/DC_Comics" target="_blank">DC Logo</a></span>
150   </p>
151   <p id="DateText">Created January 2022</p>
152 </div>
153 </body>
154 </html>
```

CSS Document

This is the creation and source product of my CSS documents.

```
1  /* CSS for Popular Movie Franchises html */
2
3  /* || Body Styles */
4  body {
5      background-color: #1c1c1c;
6  }
7
8  /* || Main title header and description */
9  h1 {
10     font-size: 100px;
11     text-align: center;
12     margin-bottom: 1%;
13 }
14
15 #ShortDescriptionPage {
16     font-size: 22px;
17     text-align: center;
18     color: floralwhite;
19     margin-bottom: 50px;
20 }
21
22 #PopularHeader {
23     color: #ed1d24;
24 }
25
26 #MovieHeader {
27     color: white;
```

```
28 }
29
30 /* || Movie Franchise Flex Display Formatting and Styles */
31 .MovieFranchises {
32     display: flex;
33     border: 1px solid #c6c6c6;
34 }
35
36 #FranchisesHeader {
37     color: #0376f2;
38 }
39
40 .DescriptionFran {
41     font-family: helvetica, serif;
42     color: floralwhite;
43     margin: 5% 2% 15% 2%;
44 }
45
46 .UseOfFranTerm {
47     font-style: italic;
48     font-weight: bold;
49 }
50
51 .MovieFranHeaders {
52     font-size: 23px;
53     font-family: helvetica, serif;
54     color: floralwhite;
```

```

55     text-decoration: underline;
56     text-align: center;
57 }
58
59 .ListContentText {
60     font-family: helvetica, serif;
61     font-size: 87%;
62     color: floralwhite;
63 }
64
65 li {
66     margin: 2%;
67 }
68
69 /* || Marvel Franchise Box Elements */
70 #MarvelLogo {
71     width: 99%;
72     margin-top: 10%;
73     margin-bottom: 10%;
74     margin-left: 3px;
75 }
76
77 .Marvel_Container {
78     width: 100%;
79     border-right: 1px solid #c6c6c6;
80 }
81

```

```

82 #Marvellist {
83     list-style-type: disc;
84 }
85
86 #MarvelMorePara{
87     font-family: helvetica, serif;
88     font-size: 16px;
89     color: floralwhite;
90     margin-left: 10px;
91 }
92
93 /* || Star Wars Franchise Box Elements */
94 #StarWarsLogo {
95     width: 99%;
96 }
97
98 .StarWars_Container {
99     width: 100%;
100     border-right: 1px solid #c6c6c6;
101 }
102
103 #StarWarsList {
104     list-style-type: upper-roman;
105 }
106
107 /* || Harry Potter Franchise Box Elements */
108 #HarryPotterLogo {

```

```

109     width: 99%;
110     margin-left: 2px;
111     margin-top: 2%;
112     margin-bottom: 2%;
113 }
114
115 .HarryPotter_Container {
116     width: 100%;
117     border-right: 1px solid #c6c6c6;
118 }
119
120 #HarryPotterList {
121     list-style-type: decimal;
122 }
123
124 /* || DC Franchise Box Elements */
125 #DCLogo {
126     width: 59%;
127     margin: 0 20% 1% 21%;
128     background-color: black;
129 }
130
131 .DC_Container {
132     width: 100%;
133     border-left: 1px solid black;
134 }
135

```

```

136 #DCList {
137     list-style-type: square;
138 }
139
140 /* || Copyright, Source and Data text Bottom Page Formatting and styles */
141 #SourcesText {
142     text-align: center;
143     color: floralwhite;
144     margin: 3% 0 1% 0;
145 }
146
147 .SourceLogoText {
148     margin-left: 1%;
149 }
150
151 #DateText {
152     text-align: center;
153     color: floralwhite;
154     margin-bottom: 1%;
155 }

```

Webpage Output

This is the output web page produced by the HTML and CSS documents.

Popular Movie Franchises

** Just a few of the most popular movie franchises that have had an impact on shaping the film industry to where it's at today **



The **Marvel Cinematic Universe**, which began in 2008, is the largest and most known series of Marvel films currently consisting of 27 released films so far with many more actively in development.



Star Wars revolutionized the film industry forever with new VFX that had never been seen before. Dating back to the first installment in 1977, the 'Star Wars Saga' consists of 9 films.



The **Harry Potter** franchise consists of 8 films that began releasing back in 2001. They are an adaptation of one of the most famous book series of all time by author J. K. Rowling which consists of 7 books.



DC films have had many adaptations of the comics spanning decades. The biggest group of running films known today is the **DC Extended Universe** with 11 films which began in 2013.

Marvel Cinematic Universe:

- Iron Man (2008)
- The Incredible Hulk (2008)
- Iron Man 2 (2010)
- Thor (2011)
- Captain America: The First Avenger (2011)
- The Avengers (2012)
- Iron Man 3 (2013)
- Thor: The Dark World (2013)
- Captain America: The Winter Soldier (2014)
- Guardians of the Galaxy (2014)
- Avengers: Age of Ultron (2015)
- Ant-Man (2015)
- Captain America: Civil War (2016)
- Doctor Strange (2016)
- Guardians of the Galaxy Vol.2 (2017)
- Spider-Man: Homecoming (2017)
- Thor: Ragnarok (2017)
- Black Panther (2018)
- Avengers: Infinity War (2018)
- Ant-Man and the Wasp (2018)
- Captain Marvel (2019)
- Avengers: Endgame (2019)

Star Wars Saga:

- I. Star Wars: Episode I - The Phantom Menace (1999)
- II. Star Wars: Episode II - Attack of the Clones (2002)
- III. Star Wars: Episode III - Revenge of the Sith (2005)
- IV. Star Wars: Episode IV - A New Hope (1977)
- V. Star Wars: Episode V - The Empire Strikes Back (1980)
- VI. Star Wars: Episode VI - Return of the Jedi (1983)
- VII. Star Wars: Episode VII - The Force Awakens (2015)
- VIII. Star Wars: Episode VIII - The Last Jedi (2017)
- IX. Star Wars: Episode IX - The Rise of Skywalker (2019)

Harry Potter:

1. Harry Potter and the Sorcerer's Stone (2001)
2. Harry Potter and the Chamber of Secrets (2002)
3. Harry Potter and the Prisoner of Azkaban (2004)
4. Harry Potter and the Goblet of Fire (2005)
5. Harry Potter and the Order of the Phoenix (2007)
6. Harry Potter and the Half-Blood Prince (2009)
7. Harry Potter and the Deathly Hallows: Part 1 (2010)
8. Harry Potter and the Deathly Hallows: Part 2 (2011)

DC Extended Universe:

- Man of Steel (2013)
- Batman Vs. Superman: Dawn of Justice (2016)
- Suicide Squad (2016)
- Wonder Woman (2017)
- Justice League (2017)
- Aquaman (2018)
- Shazam! (2019)
- Birds of Prey (2020)
- Wonder Woman 1984 (2020)
- Zack Snyder's Justice League (2021)
- The Suicide Squad (2021)

- Spider-Man: Far From Home (2019)
- Black Widow (2021)
- Shang-Chi and the Legend of the Ten Rings (2021)
- Eternals (2021)
- Spider-Man: No Way Home (2021)

(Still continuing with upcoming projects)

Sources: Logos [Marvel Logo](#) [Star Wars Logo](#) [Harry Potter Logo](#) [DC Logo](#)

Created January 2022

Paragraphs

Contain a block of text and starts a new line. They can be blocked together with other block elements.

```
<p id="SourcesText">Sources: Logos
  <span class="SourceLogoText"><a href="https://commons.wikimedia.org/wiki/File:Marvel_Logo.svg" target="_blank">Marvel Logo</a></span>
  <span class="SourceLogoText"><a href="https://en.wikipedia.org/wiki/File:Star_Wars_Logo.svg" target="_blank">Star Wars Logo</a></span>
  <span class="SourceLogoText"><a href="https://logos-world.net/harry-potter-logo/" target="_blank">Harry Potter Logo</a></span>
  <span class="SourceLogoText"><a href="https://en.wikipedia.org/wiki/DC_Comics" target="_blank">DC Logo</a></span>
</p>
```

Headings

These are title or subtitles that contain text to head or label something within a web page such as a category or section.

```
<h2 class="MovieFranHeaders" id="MarvelHeader">Marvel Cinematic Universe: </h2>
```

Unordered and ordered list

Groups together a text of items into a list displayed within a web page. They can be numerically ordered, represented with some number type or they can be unordered and represented by some type of object such as circle or square.

```
<ol class="ListContentText" id="StarWarsList">
  <li>Star Wars: Episode I - The Phantom Menace (1999)</li>
  <li>Star Wars: Episode II - Attack of the Clones (2002)</li>
  <li>Star Wars: Episode III - Revenge of the Sith (2005)</li>
  <li>Star Wars: Episode IV - A New Hope (1977)</li>
  <li>Star Wars: Episode V - The Empire Strikes Back (1980)</li>
  <li>Star Wars: Episode VI - Return of the Jedi (1983)</li>
  <li>Star Wars: Episode VII - The Force Awakens (2015)</li>
  <li>Star Wars: Episode VIII - The Last Jedi (2017)</li>
  <li>Star Wars: Episode IX - The Rise of Skywalker (2019)</li>
</ol>
```

Block Elements: div

Block elements take up a full width line (left to right) available and have a top and bottom line. An example is a 'div' tag which defines a division or section of elements within HTML document.

```
<!-- Title and description of the page -->
<div>
  <h1><span id="PopularHeader">Popular</span> <span id="MovieHeader">Movie</span> <span id="FranchisesHeader">Franchises</span></h1>
  <p id="ShortDescriptionPage"><em>* Just a few of the most popular movie franchises that have had an impact on shaping the film industry to w
</div>
```

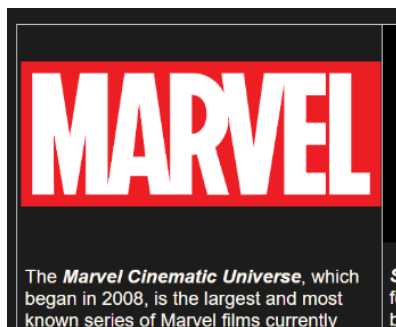
Inline Elements: span

Inline elements don't start a new line and only take up the necessary width that's required by the text, usually to group certain elements together within a block element. An example is a 'span' tag to mark up a piece of a text within a line.

```
<h1><span id="PopularHeader">Popular</span> <span id="MovieHeader">Movie</span> <span id="FranchisesHeader">Franchises</span></h1>
```

Images that are clickable

Added an image to the web page to display some visuals and give the page some colorful 'life' using the 'img' tag and made them clickable, so they are able to be viewed larger in another tab when clicked on.

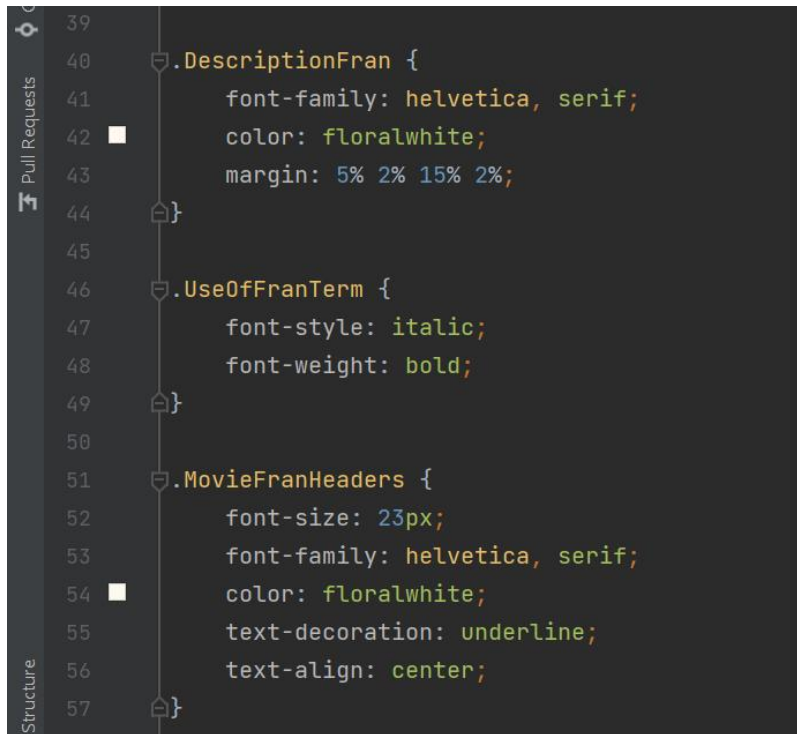


to



Used CSS to Organize and Customize the Text and Web Page

Used ID and Class tags style the text with color, fonts, and margins. Also, organized everything on the page into boxes and sections using borders and margins.



Contribution

I worked independently, so I am the sole contributor.

Conclusion

I used HTML and CSS to make a simple HTML page using their basic elements to design and display a readable web page. Within HTML, I used headers, paragraphs, div, span, and lists to display text and images. Within CSS, I used ID and Class tags assigned to parts of the text within the HTML page to organize and design the web page in an efficient and readable way using colors, fonts, margins, borders, and boxes.