

Week 5 Final Project: Homepage

Instructions

1. This is a graded assignment.
2. Implement your project homepage in HTML5 and CSS3. By now, you should start using the project directory that was created in Lecture 3 (Lecture_3_Supplemental_Instruction-v3.doc), and you should have a project repository created on GitHub.
3. To implement your project homepage, you need to create an index.html (landing page, 'splash' screen), collect an image and a video.
4. Place the index.html, image and video to appropriate folders in your project directory.
5. After finish implementing the homepage, upload the index.html, image and video to your project repository on GitHub.
6. **Submit your GitHub link pointing to index.html to Canvas by 1:45pm on the date of Lecture 6.**
7. The homepage your completed at this stage is an initial version to get you started. You can keep refining any webpages **before Lecture 10. You should complete and upload your final project to your project repository on GitHub and submit your GitHub project link to Canvas by 9:00am on the date of Lecture 10.**

Home

The homepage should be a 'splash' screen. A splash screen shows minimal content and is meant to be a welcome screen. An expected splash screen has a fullscreen background animated GIF, static image, or video. Typically, homepage is a landing page and named index.html

Tasks:

- Fullscreen background image or video

If a browser doesn't support video tag, an error message or broken link will pop up. When we design web application, we should catch the error and present a user-friendly message or alternative visual information to audiences. To do that, we can create a video homepage with a text message to fallback and have a static image behind the video. Thus, when a browser fails to support video tag, it will display an image with a text message – "Your browser does not support video tag."

Sample of making background image and video:

index.html

```
<head>
  <meta charset="UTF-8">
  <meta name="description" content="Final Project for HTML5/CSS3 Course">
  <meta name="keywords" content="HTML,CSS,JavaScript,jQuery">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <title>Automobile Legend</title>
  <link rel="stylesheet" type="text/css" href="./assets/stylesheets/styles.css" />
</head>
<body>
  <div class="video-overlay">
    
    <video class="video-container" autoplay muted playsinline>
      <source src="./assets/videos/home/Ford-Mustang-Mach-E.webm" type="video/webm">
      </source>
      <source src="./assets/videos/home/Ford-Mustang-Mach-E.mp4" type="video/mp4">
      </source>
      <source src="./assets/videos/home/Ford-Mustang-Mach-E.ogv" type="video/ogg">
      </source>
      Your browser does not support the video tag.
    </video>
  </div>
</body>
```

```
.full-background-image-container {
  position: fixed;
  top: 0;
  max-width: 100%;
}

.video-container {
  position: fixed;
  right: 0;
  top: 0;
  min-width: 100%;
  min-height: 100%;
}

.video-overlay{
  width: 100%;
  height: 100%;
  display: flex;
  justify-content: center;
  align-items: center;
  -webkit-background-size: cover;
  -moz-background-size: cover;
  -o-background-size: cover;
  background-size: cover;
}

.video-overlay:before{
  width: 100%;
  height: 100%;
  position: absolute;
  z-index: 1;
  background: #000000;
  opacity: .75;
}
```

MIME Types for Video Formats:

HTML5 <video> tag supports 3 formats: MP4, WebM and Ogg. There are many online video file conversion sites on the web that you can convert your videos to MP4, WebM and Ogg.

Here is an example of online file conversion site:

<https://www.zamzar.com/>

Submission

Submit your GitHub link pointing to index.html to Canvas by 1:45pm on the date of Lecture 6.