

By  
Ekta Verma



# Assignment 8

An Avocado's Story

# Part 1

My website is a mix of two of the topic prompts for Assignment 7 & 8. It is a portfolio, however, it is not about me, it is a portfolio for an Avocado. The purpose of the website is to educate people about everything related to an avocado.

The website had four tabs containing all kinds of information- right from biological data, to types of avocados, visualizations about avocado harvest and growth in harvest over the years, fun-facts, avocado quotes, tips and instructions on how to buy an avocado, how to store an avocado, how to cut an avocado and then finally how to cook with an avocado. There is also a fun music video about avocados, animated by me, at the end of the website.

The tone of the website is light and jovial. The information is presented mostly in first person, thereby giving a personality to the fruit (yes avocados are fruits!). The avocado is seen to have a narcissistic vain personality, a lot like Daenerys from Game of Thrones. There is a slight reference to Game of Thrones on the website which makes the experience funny and exciting other than just being a simple info display. The data viz is interactive and has mouseover numbers which make it fun to engage with. Lastly, there are small animations embedded in the website which make it an interesting and engaging experience.

The website is intended mostly for young people with a silly sense of humor, who love a good laugh and decide to spend their free time learning about an avocado. (I promise I am not judging)



# Part 2

- **Interaction 1- Navigation Menu Items**

- **Interaction Implemented**- When the browser is resized and the width is shortened, after a particular size, the Menu items collapse and are replaced by a single hamburger menu icon containing all the elements as a menu.
- **Instructions**- Keep reducing the width of the browser window and soon the menu items will disappear and a hamburger icon will appear.

- **Interaction 2- Navigation Menu Bar**

- **Interaction Implemented**- The navigation bar remains fixed at the head of the page to allow for easy referencing and navigation during the browsing experience. User does not need to scroll to the top to navigate. There is also a slight shadow to the navigation menu so that it is not confused with the elements on the rest of the page.
- **Instructions**- Scroll downwards on any page and you will notice that the menu bar does not disappear.

- **Interaction 3- Wiggle on Hover**

- **Interaction Implemented**- The yellow card with the Game of Thrones reference wiggles on hovering over it. This helps capture attention and make the user stop to read what's written.
- **Instructions**- Hover over the yellow card on the about me page. The card wiggles.



# Part 2

- **Interaction 4- Interactive Graphs**

- **Interaction Implemented-** The graphs are all interactive and respond to mouse-over by displaying the values being hovered on.
- **Instructions-** There are two graphs on the About me page. Hover over them to see real-time labeling.

- **Interaction 5- Flip on Hover**

- **Interaction Implemented-** The recipes on the Portfolio Page are image cards that flip to display a link to the recipe.
- **Instructions-** On the Portfolio page, hover over the recipe images, the image will flip to display a link which you can then follow to the actual recipe page (not coded by me)

- **Interaction 6- Slide from Left**

- **Interaction Implemented-** The recipes on the Portfolio Page slide in from the left on loading the page. The intent was to pan them out like a deck of cards, which didn't exactly happen, but it does enter on the left as it comes to view.
- **Instructions-** Go to the Portfolio page and scroll down, the recipe images will slide in from the left.





# Part 3

- **Tool 1- Bootstrap**

- **Name of tool-** Bootstrap framework (<https://getbootstrap.com/docs/3.4/javascript/>)
- **Why did you choose to use it?-** Used Bootstrap to make my website responsive and to use their inbuilt CSS library to make the menu bar pretty and responsive.
- **How you used it?-** I linked the bootstrap scripts and CSS files to my HTML files and that gave me access to all their libraries and inbuilt elements.
- **What does it add to your website?-** The Menu bar adds ease of navigation. The responsive element helps make sure the website is accessible from multiple platforms. The bootstrap also makes sure the data is aligned in a proper grid system and looks organized and neat.

- **Tool 2- Plotly D3 Javascript library**

- **Name of tool-** Plotly D3 Javascript Library (<https://plot.ly/javascript/>)
- **Why did you choose to use it?-** Plotly has a vast freely available library of different kinds of data visualizations. Their code is easy to plug-in and use. Plus since we had used Plotly for Lab Assignment 10, I was already familiar with using data and slicing and dicing it on Plotly
- **How you used it?-** I linked the online JS file to be able to access all the Javascript libraries offered by Plotly. I also linked a self-coded JS file that used those libraries to extract the data, work on the data and display the data.
- **What does it add to your website?-** Graphs are usually a very non-interactive and boring way of showing data. Plotly data visualizations make the graphs interesting by making them responsive and providing real-time labeling.



# Part 3

- **Tool 3- CSS Animations**

- Name of tool- CSS Flipcard Animation ([https://www.w3schools.com/howto/howto\\_css\\_flip\\_card.asp](https://www.w3schools.com/howto/howto_css_flip_card.asp))
- Why did you choose to use it?- I wanted to show both the link for the recipe as well as the image for the recipe, however I didn't want it to look cluttered in a table format. So I used flip cards to show only the relevant information and then the user can scroll to get more information
- How you used it?- I copied all the CSS code for flipping the card and added it to my CSS file. I linked this CSS file to my HTML file and then animated the cards.
- What does it add to your website?- It adds to the engagement and fun-factor. It also help layer the information so that people are not unnecessarily shown text that they are not interested in.

- **Tool 4- Slide Animation**

- Name of tool- Slide Animation (<https://codepen.io/SitePoint/pen/ybENGM>)
- Why did you choose to use it?- To add to the fun-factor of exploring the website. I used it for the recipes page. Since the recipe images are on cards, I thought it might be fun to make them pan out and flip, so I used this to make them seem to pan out.
- How you used it?- I downloaded all the CSS and JS code and linked them to my file. I referenced this code in my HTML file.
- What does it add to your website?- It adds to the engagement and fun-factor.



# Part 4

I was originally intending to make an 'About Me' page for my portfolio website since I already have a portfolio website. I really wanted to use interactive graphs on my website and was struggling to find graphs that could represent me and my life, without seeming vain or narcissistic, so I decided to chuck the idea and instead make a portfolio for an Avocado. It is visually in the form of a real-life portfolio about a person, but has informational data about an avocado, like an All-You-Can-Know guide to Avocados.



# Part 5

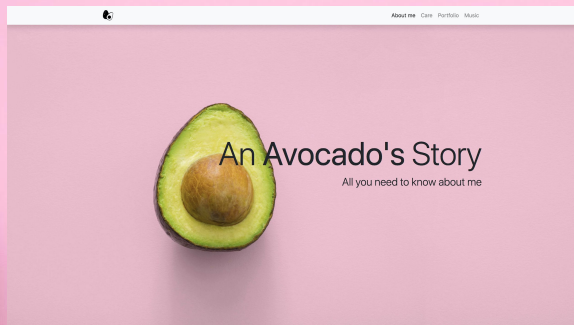
I faced multiple challenges while coding the website.

- I was struggling with aligning images and centering them, some code worked on some elements while the same code refused to work on other elements.
- I was struggling to understand the code and libraries for different features available online and see how I can tweak them for my website. People don't really indent or comment their code well, and it's frustrating to work with their code.
- I was trying to add ambient background music to my webpage, and I struggled for a long time before reading somewhere that Chrome and most other web browsers disabled autoplay on websites in 2018, to make sure customer experience is not getting affected. Users now need to do a minimum of one-click somewhere on the website to be able to play the track.

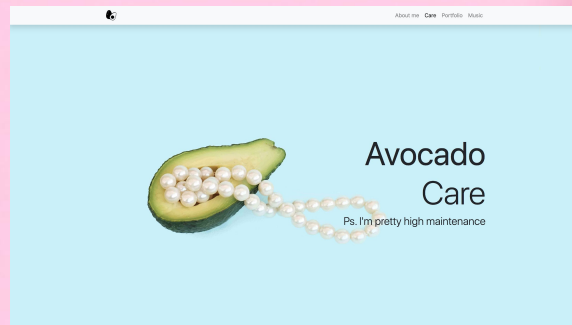




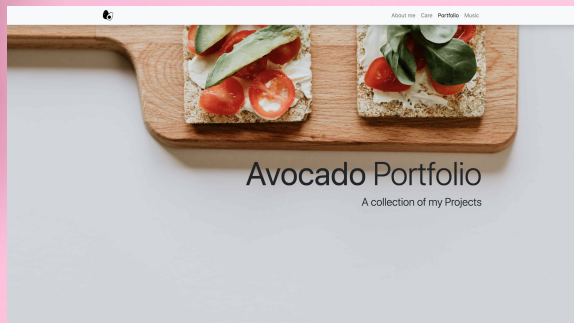
# Screenshots of Website



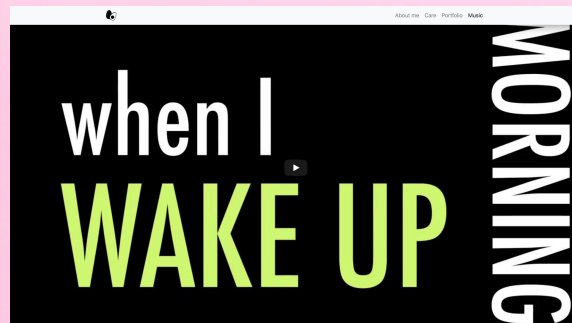
About Me Page



Care Page



Portfolio Page



Music Page

# Important Links

Link to Website-

[https://ektaverma166.github.io/homework\\_8/index.html](https://ektaverma166.github.io/homework_8/index.html)

Link to GIT Folder-

[https://github.com/ektaverma166/ektaverma166.github.io/tree/master/homework\\_8](https://github.com/ektaverma166/ektaverma166.github.io/tree/master/homework_8)





Thank you.