

Part 1: In 300 words (only!) describe your website (We will stop reading at 300 words, so please be concise).

For my final project, I made a website for the Fencing Club at CMU. This website is meant for current students to find out more information about the club and fencing in general, as well as serve as a public facing site for prospective students who might be interested in fencing at CMU. To achieve these goals, my website features an about page that has information about the club and fencing, an events page with tournaments we have hosted or competed in, and finally a live schedule for current students to attend our practices. This website uses strong contrast for the interactive visuals, as well as an interactive carousel on the main page that draws the user's attention with action photographs.

Since this website is made with Bootstrap, it is inherently dynamic. It is best viewed on a standard Full HD (1920x1080) or other 16:9 monitor, although it will also work on Apple's strange aspect ratios. The website will resize itself for tablet and mobile users as well, with the navbar and carousel changing to accommodate.

Part 2: Use a bulleted list to describe how a user would interact with your website. For each item in your list, state

- Navbar
 - On each page, there is a navigation bar at the top right that allows users to select which page they would like to visit. The logo on the left is also a link that leads to the home page.
- Carousel
 - On the main page, the image carousel has buttons on the sides and bottom to navigate through each image. The images are also links to the events page.
- Calendar
 - On the schedule page, there is an embedded Google Calendar that shows practice times and events live.

Part 3: Describe what external tool you used (JavaScript library, Web API, animations, or other). Following the bulleted list format below, reply to each of the prompts. (We will stop reading at the 4th sentence, so please be concise)

- Bootstrap
 - This library gave me easy access to interactive components, which I did not need to hand code.

- I copied and modified code from Bootstrap for the carousel and navbar components. I then edited the css and html values so my content was properly displayed.
- The components gave me freedom to design interactions for the audience, and also powers the interactions.
- JQuery
 - This library gave me the ability to make chunks of html into loadable components so I did not have to make changes to every file.
 - I used the load script to load the header that I separated into its own file.
 - This tool made my coding more efficient, so I could work on other parts of the website.

Part 4: Describe how you iterated on your prototypes, including any changes you made to your original design while you were implementing your website. (4-8 sentences max)

Throughout the project, I had to iterate a lot on the content I wanted to include for my website. There was some content I wanted to add initially, but didn't end up doing so because of time constraints. I think I arrived at a good balance of implementation and future growth, and I plan on continuing to work on this website over the summer.

Part 5: What challenges did you experience in implementing your website? (2-4 sentences max)

I ran into some trouble with the structure of my website. Originally, I was going to use React as the foundation, but it was difficult to route the different pages together. Instead, I opted to use JQuery to make components instead.