

# PROJECT 2: Design a Responsive Website with HTML5, CSS3, and Javascript

In this project you will design and build a responsive multi-page website on a topic of your choosing. It should feature:

- HTML5 for meaningful semantic content
- CSS3 for visual presentation
- Javascript for interactivity
- Accessible and viewable online at a public URL
- You **may** use a framework such as [Bootstrap](#), [Angular](#), [React](#), [Vue](#) (*highly recommended*)
- **Javascript** support from libraries like jQuery also welcome and encouraged!

## Website Ideas

- **Restaurant:** Your favorite restaurant is struggling, and needs a new website to help customers see what's on the menu and place an order online.
- **Retail Store:** In-store traffic is down, and a small boutique store (*you choose the type: art, fashion, comics, books, electronics, whatever!*) wants to jazz up their website to try and do more business online.
- **Non-Profit:** Design for a good cause. Pick an organization and help them build a website
- **Blog:** Ever wanted to start a blog? What would you blog about? Design a blog for yourself, or someone else!
- **Portfolio Site:** have a portfolio or thinking about creating one? Use this project to work on it!
- **Your choice!** Have another website idea in mind? Want to use the rest of the semester to focus on learning something specific - like React? Ideas welcome!

## Deliverables

- **Process Documents:** (*sketches, wireframes*) shared on discussion board
- **High-Fidelity Designs:** shared from a modern web design tool (*figma, sketch, xd*)
- **Web Files:** coded, validated, tested for accessibility, and uploaded to a web server

## Specifications

415

- Your site should consist of at **least 3 pages / sections**:
  - Home
  - About
  - Contact Form

420/619

- Same as 415 above, but also include an **additional 2 pages / sections**:
  - Search Results Page
  - Detail View (*like an article, product, menu item, portfolio piece*)

## DUE: November 30, 2020

### HOW TO SUBMIT

Email your deliverables to [jhiggin8@gmu.edu](mailto:jhiggin8@gmu.edu) with subject line PROJECT 2 before beginning of class on Nov. 30.

What gets emailed?

#### Design Process Docs

- Sketches (as PDF, JPG)
- Content (word doc *optional*)
- Wireframes & Mockups (XD or Figma or Invision link, otherwise send as web files PDF or JPG)

#### Development

- Upload your web files for your site to your URL (ex. <https://www.robot9.org/project2/>)
- BEFORE YOU SEND
  - Run your URL through W3C validator: <https://validator.w3.org/>
  - Accessibility check: <https://wave.webaim.org/>
  - Check for responsiveness
    - I use Chrome web browser, and simulate mobile device (iPhoneX)
    - For mobile version - bear in mind mobile view doesn't have to have all the content from the desktop view.
    - For responsiveness I will only check the home page.

100 POINTS	
45	Design

	Sketches Content Wireframes Mockups
45	<b>Development</b> Web assets (HTML, web images, scripts) W3C validation for standards Webaim validation for accessibility Responsive to desktop and mobile web browsers
10	<b>Participation</b> Online Discussions Critique Presentation