

6.0 hours

Project 2

Responsive Layout

Submission Received

Your project was received. You're ready to continue!

[Keep Going](#)

- [Instructions](#)
- [What makes a good project?](#)

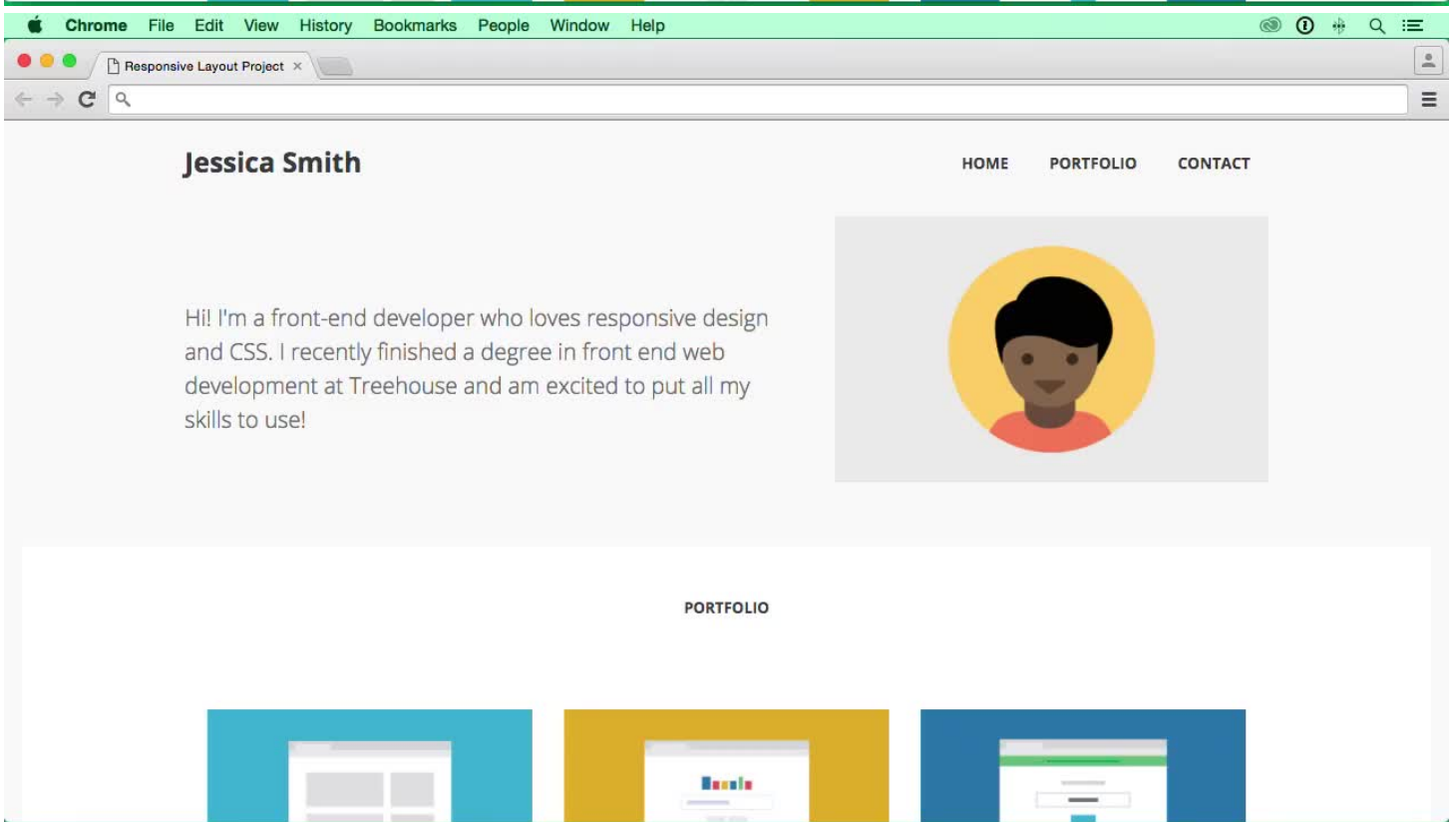
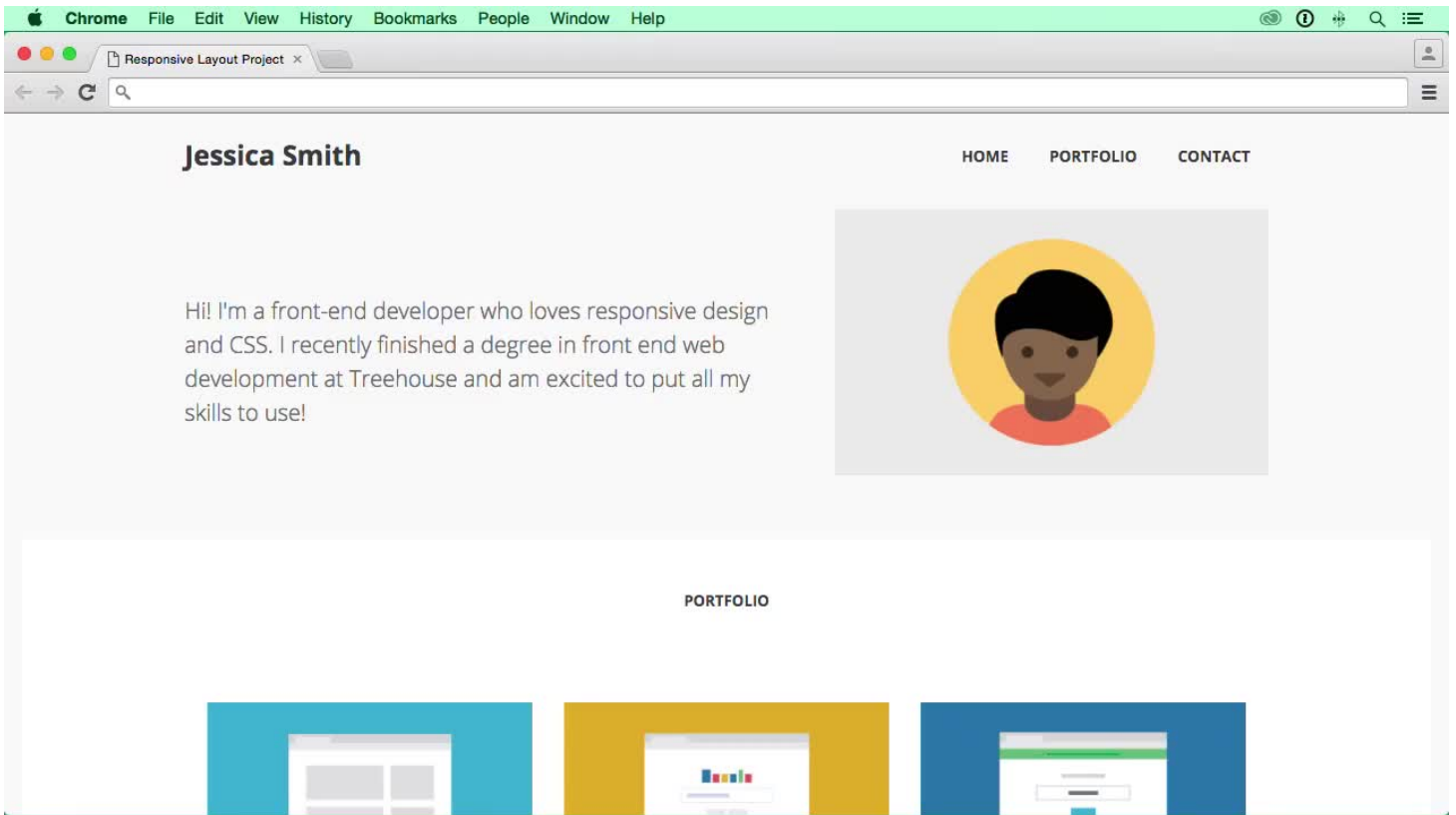
In this project you'll build a responsive, mobile-first layout using HTML and CSS. The design should respond to small, medium, and large viewport sizes and devices; and demonstrate an understanding of responsive design.

You will write basic layout styles to style the page for a small mobile device first. Then, using media queries, add breakpoints to adjust the layout for wider tablet and desktop screens.

NOTE: The Front End Web Development Techdegree is meant to train you in HTML, CSS and JavaScript, and let you practice and show your mastery of these fundamental building blocks of the web. Because of that, please avoid using frameworks like Bootstrap, Foundation, Skeleton, and so on for this project. Even though you may end up using frameworks like these professionally, you still need to know and be able to implement designs with your own knowledge of HTML, CSS and JavaScript.

In addition, please avoid submitting any projects that rely on a server-side technology like PHP or Ruby on Rails.

Video Player



Before you start

To prepare for this project you'll need to make sure you complete and understand these steps.

[3 steps](#)

- **Have a GitHub account and know how to create a new repository and upload files to it.**
 - As with the previous projects, you'll submit your finished working using GitHub.
 - If you need a reminder on how to use GitHub and GitHub desktop to create a new repository check out the workshop 'Share Your Projects With GitHub Desktop' in the Project Resources.
- **Download the project files. We've supplied three files for you to use:**
 - responsive-website_mobile.png is a PNG file with the design as it should look on a mobile phone that's 320 pixels wide
 - responsive-website_tablet.png is a PNG file with the design as it should look on a tablet device that's at least 768 pixels wide
 - responsive-website_desktop.png is a PNG file with the design as it should look on a screen that's at least 1024 pixels wide
- **Explore the Chrome DevTools.**
 - Follow the guides in the 3 DevTool links provided in the Project Resources to learn how to use Chrome DevTools.
 - Chrome DevTools is a powerful tool for understanding how the HTML and CSS you write is being displayed on the page.
 - You can use it to find issues and diagnose problems you might find when building this project and future projects.

Project Instructions

To complete this project, follow the instructions below. If you get stuck, ask a question in the community.

[12 steps](#)

- **Create index.html and styles.css files.**
- **Link the styles.css file to the index.html file.**
- **Look at the provided mockups and add the same header, titles, content and footer information into your index.html file.**
- **Link your navigation menu to the correct sections of the page using ID's to link to anchor tags.**
- **Use appropriate HTML markup for each piece of content.**
- **Use the images provided for the portfolio images.**
- **Provide an image for your about picture to reflect the placement and sizing in the mockup.**
- **Create a mobile first design**
 - Make sure the HTML file includes the viewport meta tag in the head of the document, see the project resources for links to "Using the viewport meta tag" and "Configuring the Viewport".
 - Use CSS to style your portfolio to look like the ones in the mockup.
 - Make sure your mobile design matches the mockup at 320px screen sizes.
- **Add media queries to create a responsive style that matches the styles and two breakpoints provided in the mockups.**
 - Match the design as it should look on a tablet device that's at least 768 pixels wide and a desktop screen size that is at least 1024px wide.
- **Put your project in a new GitHub repository on your GitHub account:**
 - See the Workshop 'Share Your Projects With GitHub Desktop' in the Project Resources. The GitHub Desktop application can automatically create a new repository for you.
 - Make sure that you're only putting the files for this project in that repository.
- **Make sure to check your code is valid by running it through an HTML and CSS validator.**
 - Links to the validators can be found in the Project Resources. This will help you spot any errors that might be in your code.
 - **There are a few exceptions that you don't need to fix:**
 - Don't worry about any warnings, we just need you to check any errors that might be there.
 - If CSS validator flags use of calc, vendor prefixes or pseudo-elements/pseudo-classes these errors should be ignored.
 - If HTML validator flags use of pipe ('|') in Google font links/URLs this error can also be ignored.

- **Before you submit your project for review, make sure you can check off all of the items on the [Student Project Submission Checklist](#). The checklist is designed to help you make sure you've met the grading requirements and that your project is complete and ready to be submitted!**
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NOTE: A good practice is to check your project for cross browser compatibility. Making sure that it looks and functions correctly in multiple (at least three) browsers is an important part of being a top-notch developer. If you want, leave a comment to the project reviewer about which browser(s) the project was checked to ensure they are seeing things as you have designed them.

Some browser options:

- Google Chrome
 - Mozilla Firefox
 - Internet Explorer/Edge
 - Safari
-

Extra Credit

To get an "exceeds" rating, you can expand on the project in the following ways:

[6 steps](#)

- **NOTE:** To get an "Exceeds Expectations" grade for this project, you'll need to "exceed" on **every** requirement that has an "Exceeds Expectations" option.
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- **Add folders to organize different files types like images, and stylesheets.**
 - **Add an additional section to the page, such as a skills section. Don't forget to create a working link to your new section in the navigation menu.**
 - **Add additional gallery items (more images can be found in the project files)**
 - **Provide semantic (descriptive) classes where appropriate, like `<nav class="main-nav">` for a navigation bar.**
 - Try to think of class names that describe what a certain element represents, and that are not likely to change.
 - For example, the "main-nav" will always remain the main navigation, no matter how much the look of the page changes.
 - **Add additional color or layout styling to the CSS to enhance the portfolio.**
 - Think about background and text colors. Just make sure you leave the basic layout the same as the mockup.



PORTFOLIO



Marketing Page

This project shows the front page of a marketing website meant for a specific business I'm interested in.



Search Page

This project searches through a specific database to find information that the user is trying to look up.



Travel App

This project compares travel times based on different transportation methods and tells you the best one.



Download files

Zip file

Project Resources

[External Link](#)

[Chrome DevTools - Inspect Elements](#)

[External Link](#)

[Chrome DevTools - Edit Styles](#)

[External Link](#)

[Chrome DevTools - Edit the DOM](#)

[Course](#)

[Anchors and linking to different sections on a page](#)

[External Link](#)

[Using the viewport meta tag to control layout on mobile browsers](#)

[External Link](#)

[Configuring the Viewport](#)

[Course](#)

[CSS Basics](#)

[Course](#)

[CSS Layout Basics](#)

[Course](#)

[Responsive Layouts](#)

[Course](#)

[Responsive Images](#)

[Course](#)

[CSS Selectors](#)

[Workshop](#)

[Build a Responsive Navigation with Flexbox](#)

[Workshop](#)

[The CSS calc\(\) Function](#)

[External Link](#)

[W3C HTML Validator](#)

[External Link](#)

[W3C CSS Validator](#)

[External Link](#)

[W3C HTML Validator - Chrome extension to validate HTML](#)

[External Link](#)

[CSSLint - Chrome extension to validate CSS](#)

Need Help?

Have questions about this project? Start a discussion with the community and Treehouse staff.

[Get Help](#)