

CAREER*FOUNDRY*

Intro to Frontend Development Project Brief: Responsive Portfolio Website

Objective

To build a responsive website using HTML and CSS that will showcase your professional portfolio, which will include the projects you'll build throughout your Full-Stack Web Development Program, to your professional network and potential employers.

Context

For a professional web developer, it's become essential that you have a designated place to present your work and demonstrate relevant skills such as problem-solving or practical knowledge in a programming language. Since chances are high that you'll be evaluated, first and foremost, on the quality of the website itself (not just by the projects you're presenting), it's essential for it to be of high code quality.

In addition, as responsive design has become a basic requirement for nearly all web-based projects, it's important that your website be responsive and run smoothly on all devices.

The goal of this project is to create a working website, complete with subpages, that features key information about you as a web developer, relevant work examples, as well as your contact details.

You'll also have the option of including the projects you'll be building throughout your Full-Stack Web Development Program (all or only a selection), so keep that in mind as you begin planning the HTML structure of your website.

In the following sections, you'll find more information on the development criteria and requirements for your site.

The 5 W's

1. Who—Your professional network, as well as potential employers. The website will be for anyone interested in your professional work and who might want to contact you about it.
2. What—A responsive portfolio website built with HTML and CSS.
3. When—The website might be visited when a potential employer is checking out your previous experience; or, after you've met a professional contact and they want to see what you're up to.
4. Where—Potential employers might look at the website from their offices, while networking contacts might access it from their mobile phones (e.g., after meeting you).
5. Why—For your potential employers, clients, or collaborators to learn more about your professional experience and relevant skills, as well as how to reach you. The site will also demonstrate your frontend development skills to employers.

Features & Requirements

User Goals

Your users should be able to view your professional portfolio website and navigate between web pages on both mobile and desktop.

Key Features

- A **homepage** with a short introduction and link(s) to work examples
- An **about page** with key information about you as an individual, your relevant skills, and the tools or programming language(s) you use
- A section with your work examples—either as part of your homepage (e.g., in a grid) or on a separate **work page**

- A **contact section**—either as a section on each page (e.g., in the footer) or in a separate **contact page**

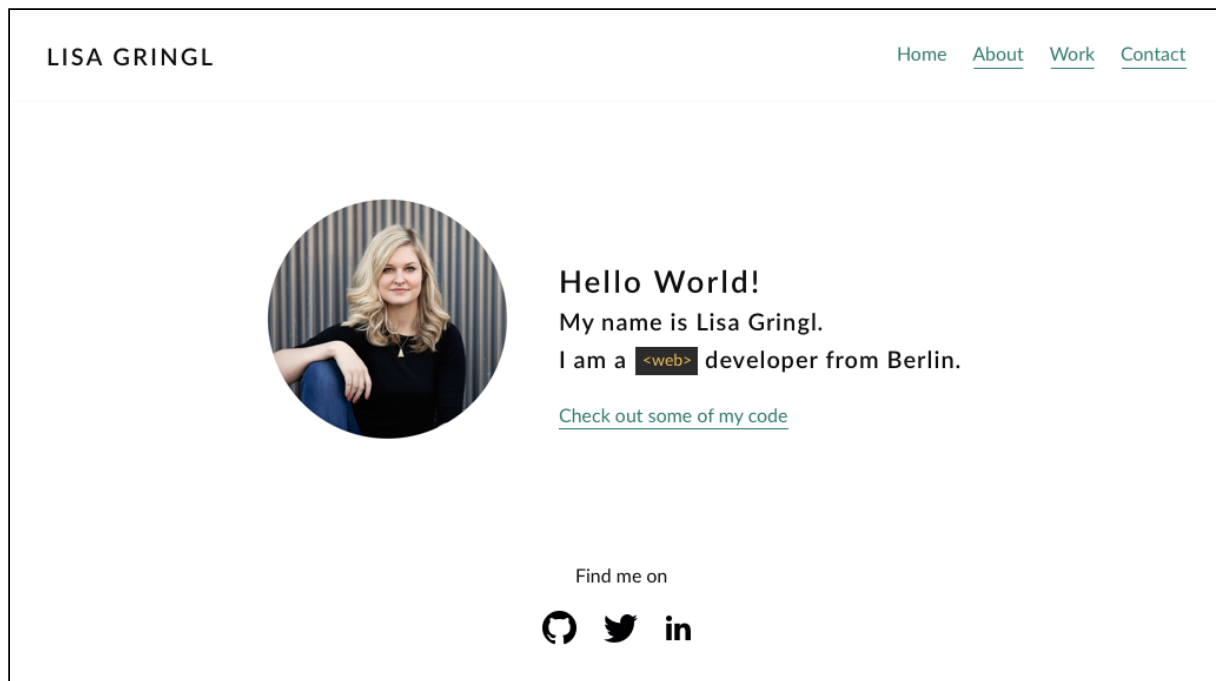
Technical Requirements

- The website *must* consist of at least 3 interconnected HTML pages.
- The website *must* use one external CSS-file in which all styles are defined.
- The website *must* use either CSS variables or a CSS preprocessor.
- You *shall not* include any external CSS libraries that you didn't write yourself.
- The website's code *must* be hosted in a Git repository on GitHub.
- The website *can* be deployed on a server. (While we strongly recommend doing so, this isn't mandatory, and you can remove your website from the free test server after you've completed the project.)
- All your code *must* be valid.
 - Your HTML files *must* pass validation on the [Markup Validation Service](#).
 - All colors used need to pass the [AA Accessibility Guidelines](#).
- The website *must* work on the latest Chrome, Firefox, Safari, Edge, and Opera browser versions as well as on IE11.
- The website *must* work on all screen sizes (including mobile and tablet) between 1920px and 320px in width.
- The website *must* work with keyboard, mouse, and touch inputs.

Mockups or Other Assets

In the following, you'll find mockups for your portfolio site. We'll keep things simple for now so that you can focus on writing clean, readable code. Once you've mastered the foundational aspect of code, we encourage you to add unique flair to your website, and, towards the end of the course, you'll receive more (optional) mockups to modify your website.

Homepage



About page

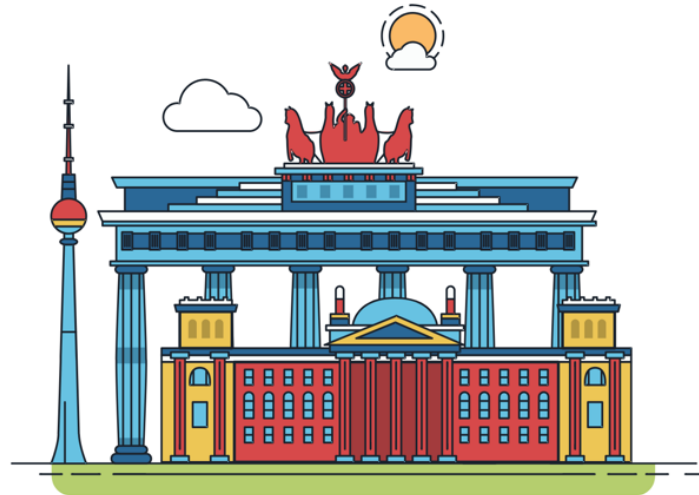
LISA GRINGL

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About

I'm a web developer living in Austria. I'm passionate about all new and cool web stuff. I love to learn about new web technologies and mountain climbing.

Download my CV



Find me on



Work page

LISA GRINGL

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Work

Mobile web app

Within this project I was responsible for the front-end. It is written in React.js. Additionally I've created the HTML and CSS templates.

[See project on Github](#)

Native MacOS application

Within this project I was responsible for the front-end. It is written in JavaFX.

[See project on Github](#)

Node.js pdf generation

Within this project I created a service that generates pdf out of webpages with the help of a node.js server.

[See project on Github](#)

Styleguide for portfolio page

Here you can find the styleguide I've created for this portfolio page. It was created with the livingstyleguide gem and grunt.

[See styleguide](#)

Medium Blog

I am also writing on medium.com about React.js.




[Read my latest blogpost](#)

Your project?

I can help in realizing front-end and back-end projects with the following technologies: React.js, JavaScript, Java, JavaFX, HTML and CSS. I am also happy to learn other technologies if needed.

[Contact me](#)

Find me on

Contact page

LISA GRINGL

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Your Project Deliverables

Throughout this course, you'll be working from Exercise to Exercise to complete your project. For each Task, you'll submit a deliverable that directly contributes to the final product—in this case, a responsive website to demonstrate your web development skills and showcase your web development projects.

Below is a breakdown of your course project deliverables by Exercise.

Exercise 1: Getting Started with Your Course

- Create a Kanban board that includes all of your study “todos” and your project schedule for the course

Exercise 2: HTML & the Web

- Create the “home.html” page for your site
- Annotate the homepage mockup with HTML tags

Exercise 3: HTML Semantics

- Create the folder structure for your website
- Write the copy for your contact page
- Include semantic HTML5 for all your HTML pages

Exercise 4: Advanced HTML & Web Accessibility

- Create an about HTML page with content
- Create a contact form
- Ensure your contact, home, and about pages follow accessibility best practices

Exercise 5: CSS & the Look of Your Website

- Create an external CSS style sheet with the basic stylings, including a font

Exercise 6: Advanced CSS Layout

- Create a responsive grid layout for your website

Exercise 7: Advanced Topics in CSS

- Code animation and transitions within your website

Exercise 8: CSS Preprocessors & CSS Variables

- Include CSS variables within your CSS code
- Solve the preprocessor CodePen

Exercise 9: Git & Version Control

- Upload and store your portfolio site on Git, complete with version control

Exercise 10: Code Quality, Testing & Web Hosting

- Conduct cross-browser tests
- Ensure code is valid according to W3C standards
- Uploaded your website on a web server