



Web Design with Basic HTML and CSS

How to create and deploy a basic static website

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Summary: An introduction to designing responsive websites with HTML and CSS.

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Chapter I

Foreword



[Thor is trying to access on the Quinjet's computer]
Quinjet Computer: Welcome. Voice activation required.
Thor: Thor.
Quinjet Computer: Access denied.
Thor: Thor, son of Odin.
Quinjet Computer: Access denied.
Thor: God of Thunder.
Quinjet Computer: Access denied.
Thor: Strongest Avenger.
Quinjet Computer: Access denied.
Thor: Strongest Avenger.
Quinjet Computer: Access denied.
Thor: Damn you, Stark. Point Break.
Quinjet Computer: Welcome, Point Break.

- *Thor: Ragnarok*

Chapter II

Introduction

It's time to learn how to build a website for the world to see! We will first focus on making a static website. A simple static website consists of HTML (HyperText Markup Language) and CSS (Cascading Style Sheet). HTML is used to create the structure of the website, such as text, images, and other media. CSS is used to style those structures, such as changing the color of the text, the size of the images, and layout of the page.

HTML: structure and content of the website

CSS: style and layout of the website

With the skills of using HTML and CSS, you will be able to design websites that's appealing, accessible, and responsive to the user's devices.

Chapter III

Goals

Using FreeCodeCamp online curriculum, we will learn:

- basic HTML
- basic CSS
- applied visual design

For our culminating project, we will apply what we learned to design and create a static web page about how to cook a dish of your choice. We will push our project onto a Github repository and deploy our website with Github Pages to showcase.

Chapter IV

General instructions

- Make sure you can explain to your peers about how you built your recipe page using HTML and CSS
- Reflect on what you learned in FreeCodeCamp and how you applied it to your project

Chapter V

Mandatory part

Finish all exercises in these following sections on FreeCodeCamp Responsive Web Design Certificate:


- Basic HTML and HTML5
- Basic CSS
- Applied Visual Design

Create a static web page about instructions to cook a dish of your choice.

Push your website project repository onto your Github. Deploy your website on github.io.

Chapter VI


Exercise 00: FreeCodeCamp

	Sign up on FreeCodeCamp
Topics to study :	
Files to turn in : n/a	
Notes : n/a	

Go to <https://www.freecodecamp.org/> and create an account using a personal email. In "Curriculum", go to Responsive Web Design Certificate section.

Chapter VII


Exercise 01: Basic HTML and HTML5

	Basic HTML and HTML5 on FreeCodeCamp
Topics to study :	
Files to turn in : All exercises completed in section on FreeCodeCamp	
Notes :	

HTML is used to create a structure for contents in the website. Usually websites will have a header and a body. A website can also include text, images, videos, and other media.

Chapter VIII


Exercise 02: Basic CSS

	Basic CSS on FreeCodeCamp
Topics to study :	
Files to turn in : All exercises completed in section on FreeCodeCamp	
Notes :	

CSS is used to style the structures created in HTML. For example, we use CSS to change fonts, text sizes, background color, image sizes, etc. We also use CSS to create overall layout of the website. You will learn more layout functionalities later with CSS Flexbox and CSS Grid.

Chapter IX


Exercise 03: Applied Visual Design

	Applied Visual Design on FreeCodeCamp
Topics to study :	
Files to turn in : All exercises completed in section on FreeCodeCamp	
Notes :	

We will now learn more about designing a website using CSS. A website would be frustrating for the users if its design was not well thought out. For example, we should make the text big enough for users to read easily. We should highlight the important content. We should use colors and images to support our main content.

Chapter X

Exercise 04: Food Recipe Page

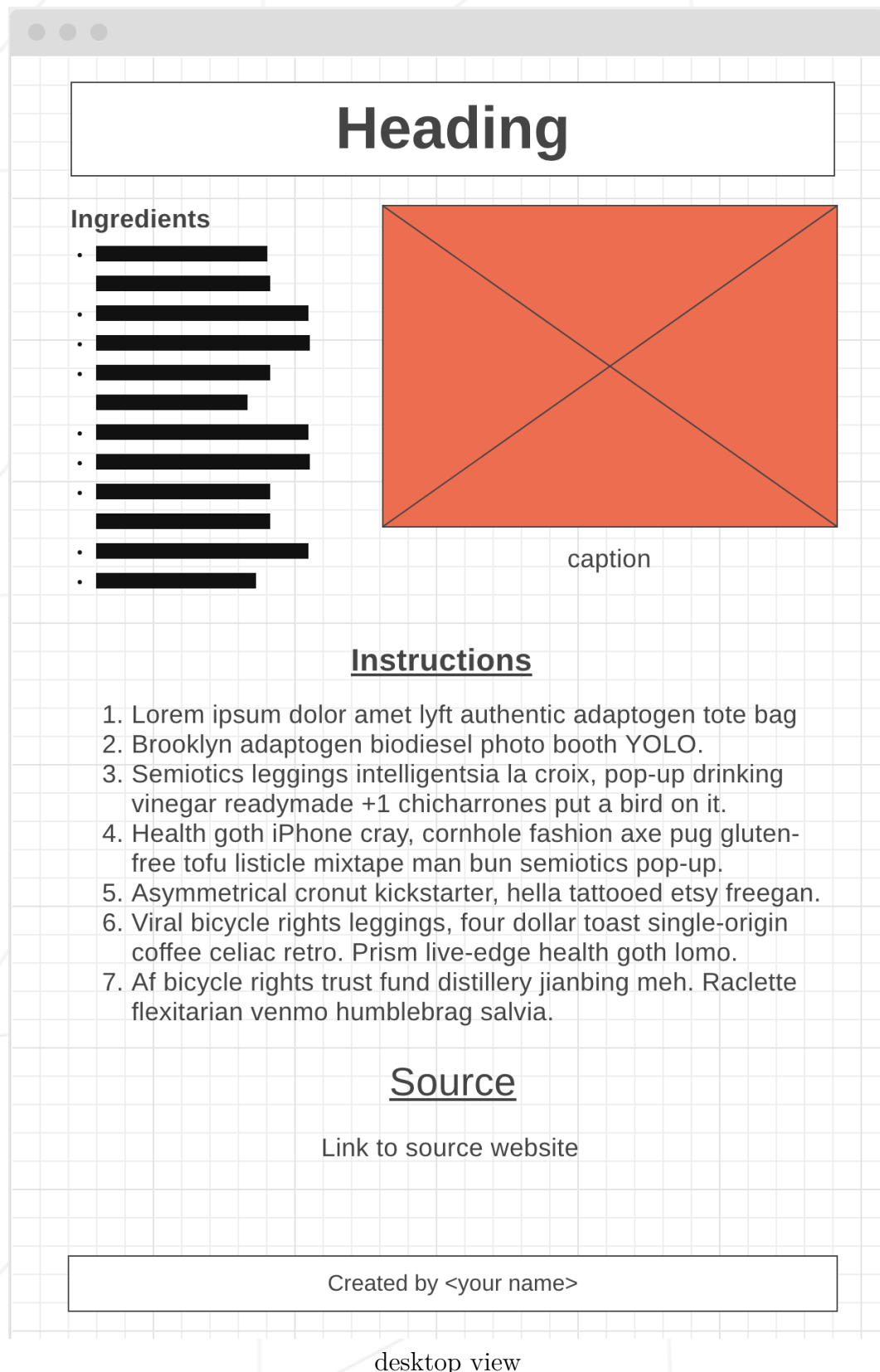
	Teach someone to cook a dish with a web page
Topics to study :	
Files to turn in : Your project folder should include index.html, style.css, and image files in "assets/" subdirectory	
Notes :	

Create an instructions page on how to cook a dish of your choice. You can get recipe, images, and instructions from an existing cooking website.

The website should have:

- a heading
- one or more images of the dish
- an unordered (bullet) list of ingredients
- an ordered (numbered) list of instructions
- a link to the website where you got the information from
- a footer that includes your name

Use the wireframes below for inspiration



Suggestions


1. Create a project folder along with files `index.html` and `style.css`. Create a

subfolder named **assets/** for images

2. Use Visual Studio Code IDE to open the folder and start writing the HTML and CSS
3. Apply what you learned in FreeCodeCamp to create the structure of the website and style it
4. Use Chrome browser to test your website. You can access your website by opening the html file with Chrome or typing in its file path in the browser. If you are stuck, google first.

Chapter XI

Exercise 05: Github

	Create github account
Topics to study :	
Files to turn in : Your Github repository should include <code>index.html</code> , <code>style.css</code> , and image files in <code>assets/</code> subdirectory	
Notes :	

1. Go to <https://github.com/> and create a free account using your personal email if you don't already have one
2. Create a new public repository named `H2S_recipe_page`
3. Follow [instructions](#) on connecting your tribute website project to the new Github repository
4. Push your project onto the Github repository
5. Go to your Github repository settings, under "Github Pages", publish your project as a website. Follow the URL formatted as

`<username>.github.io/H2S_recipe_page`

to view website.

6. Create a `README.md` in the root directory of your project folder and copy the website URL into it. Follow this [guide](#).

Chapter XII

Turn-in and peer-evaluation

Check that all exercises in the previously listed FreeCodeCamp sections have been completed.

Check website is published on Github Pages.

Turn your source code in using your 42 `Git repository`. Only work present on your repository will be graded in defense.