



## Web Dev 01

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 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:** create the structure of the website, such as text, images, and other media

**CSS:** style those structures, such as changing the color of the text, the size of the images, and layout of the page

With the skills of using HTML and CSS, you will be able to design websites that are 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 Showcase 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.


# Chapter IV

## General instructions

- Be prepared to explain how you built your showcase project. It will be part of your correction.

# Chapter V


## Exercise 00: FreeCodeCamp

	Sign up on <a href="https://www.freecodecamp.org/">FreeCodeCamp</a>
Topics to study :	
Files to turn in : n/a	
Notes : n/a	

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

# Chapter VI

## Exercise 01: Basic HTML and HTML5

	Basic HTML and HTML5 on FreeCodeCamp
Topics to study : Basic HTML and HTML5	
Files to turn in : Corrector will check the FreeCodeCamp website.	
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.

Complete all exercises in the "Basic HTML and HTML5" section on FreeCodeCamp.



# Chapter VII

## Exercise 02: Basic CSS


	Basic CSS on FreeCodeCamp
Topics to study : Basic CSS	
Files to turn in : Corrector will check the FreeCodeCamp website.	
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.

Complete all exercises in the "Basic CSS" section on FreeCodeCamp.

# Chapter VIII

## Exercise 03: Applied Visual Design


	Applied Visual Design on FreeCodeCamp
Topics to study : <b>Applied Visual Design</b>	
Files to turn in : <b>Corrector will check the FreeCodeCamp website.</b>	
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.

Complete all exercises in the "Applied Visual Design" section on FreeCodeCamp.

# Chapter IX

## Exercise 04: Food Recipe Page

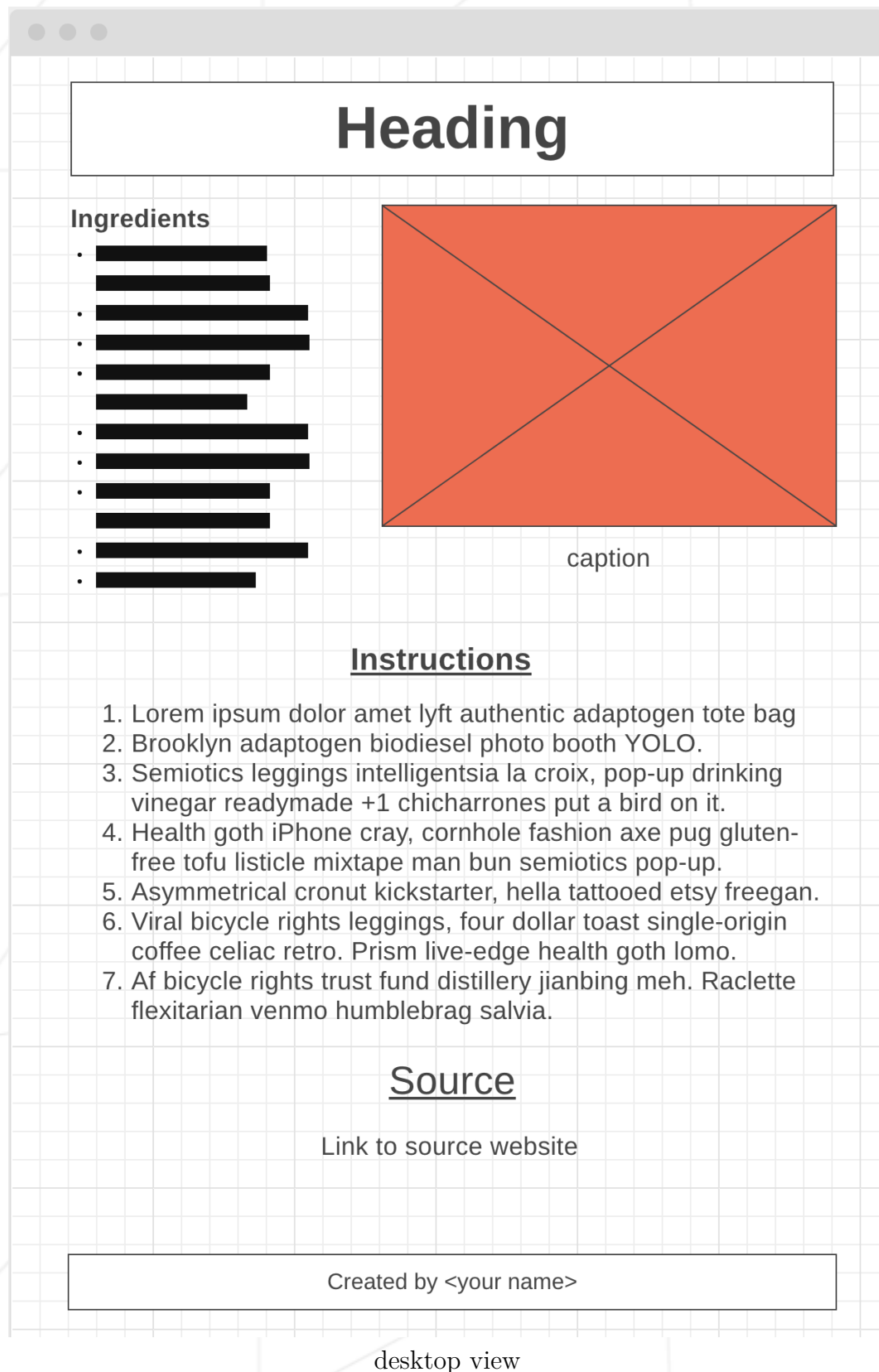
	Om nom nom
Topics to study :	
Files to turn in : For vogsphere: Your project folder should include <code>index.html</code> , <code>style.css</code> , and image files in "assets/" subdirectory	
Notes :	

Congratulations on making it this far! Now that you've learned the fundamentals, let's try out your new skills by making a recipe website. Create an instructions page on how to cook your favorite dish. You can get the 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 wireframe below for inspiration. Feel free to get creative as long as you cover the points above. (Colors, fonts, extra pictures, recipes for dragon food, etc.)




## 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: 1. Ask your friend Google first. 2. Ask your peer on the right 3. Ask your peer on the left 4. Talk to your mentor

# Chapter X

## Exercise 05: Github

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

We can use Github as a place to store and manage code. It's a powerful tool with a lot of features, but let's focus on using Github Pages to get this website online!

1. Register or Login to to <https://github.com/> using your personal email.
2. Create a new public repository named `H2S_recipe_page`
3. Follow [instructions](#) on connecting your recipe 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 like this to view the website:  
  
`<username>.github.io/H2S_recipe_page`
6. Create a `README.md` in the root directory of your project folder and copy the website URL into it. Follow this [guide](#).

# Chapter XI

## 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.