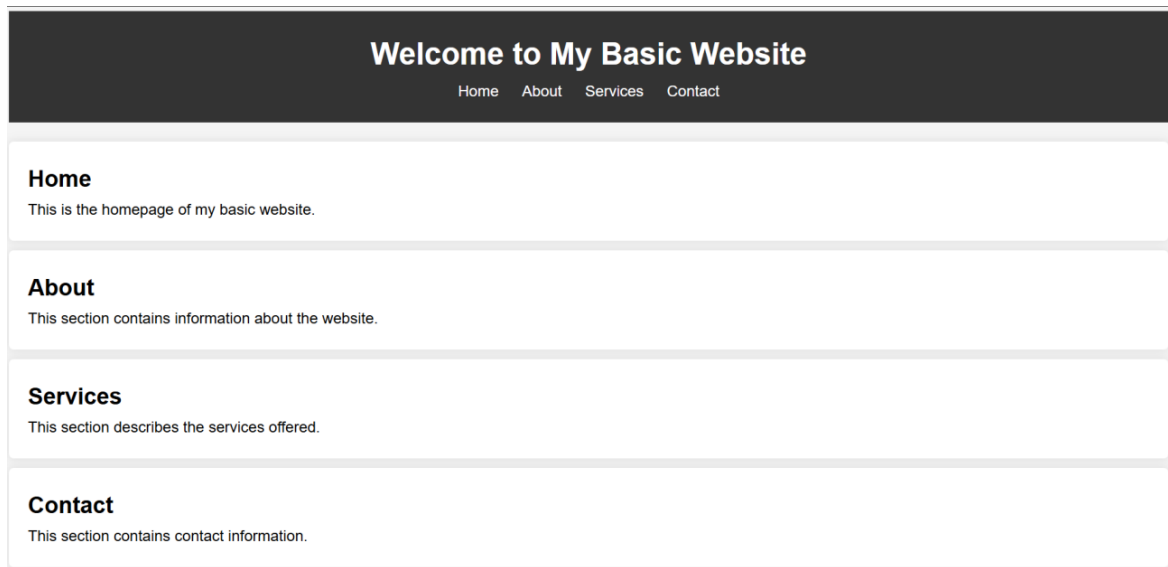


How to Make Your Own Website!

For Beginners



Description

There are several reasons to create your own website. Whether you want to learn more about web development, showcase your website to your friends, express your creativity, share information, or have all your content in one place. Creating your own website gives you all these opportunities and more! Making your own website from scratch can seem daunting and overwhelmingly complicated at first, however this instruction set aims to show you just how simple it can be and how anyone even if you have never programmed before can create a basic website from scratch in just a few simple steps.

Materials

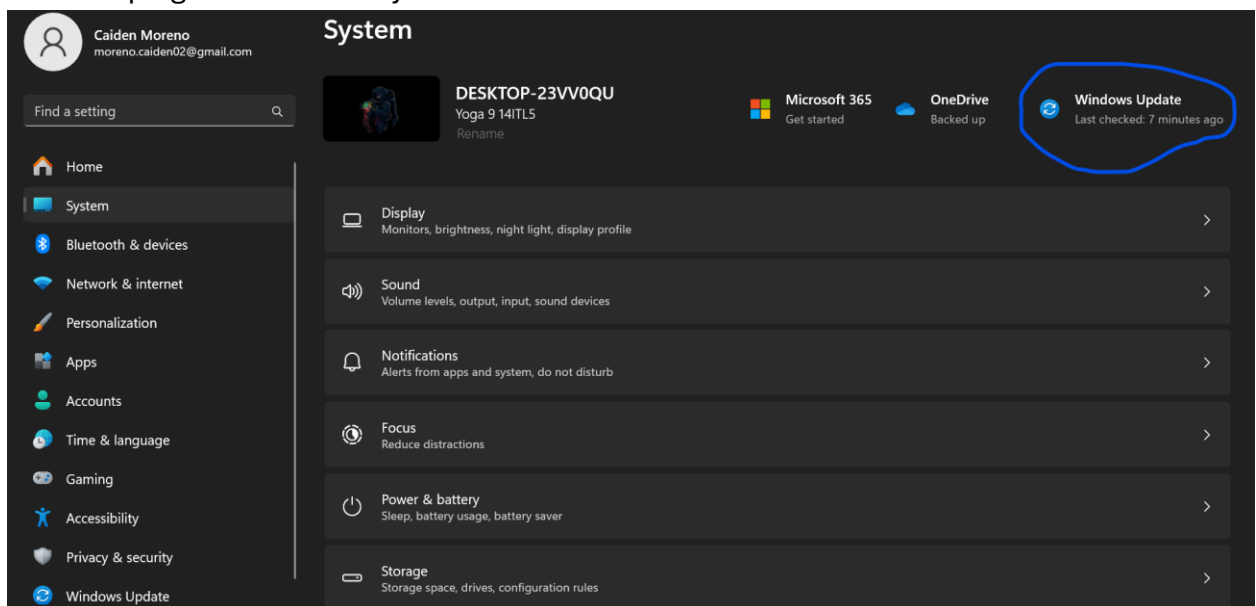
- Access to a Windows Computer
- Internet connection
- GitHub account (optional if you want to publish your website later for free)
- Text editor (Notepad)

Instructions

Step 1: Setup

Before we get into the fundamental concepts of HTML and CSS let's make sure we have everything set up.

- Make sure you have a windows computer by going to settings>system and then look on the top right to see if it says windows.

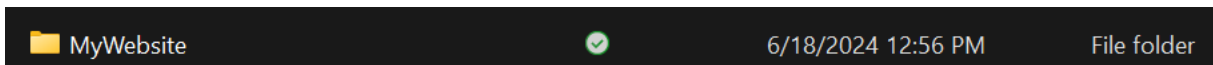


- Make sure your computers on.
- Connect to the internet.
- Sign in or sign up for a GitHub account (optional if you want to publish your website later for free)

Step 2: Folder Setup

Now that we have our initial setup ready let's set up our folders to store our files and program in. We need to setup our files into one folder so that they can run together all at the same time and so that our HTML can tap in to our CSS file to style our website.

- Create a new folder on your computer where you can store your website files. It can be named something like “MyWebsite” or “MyEpicWebsite”

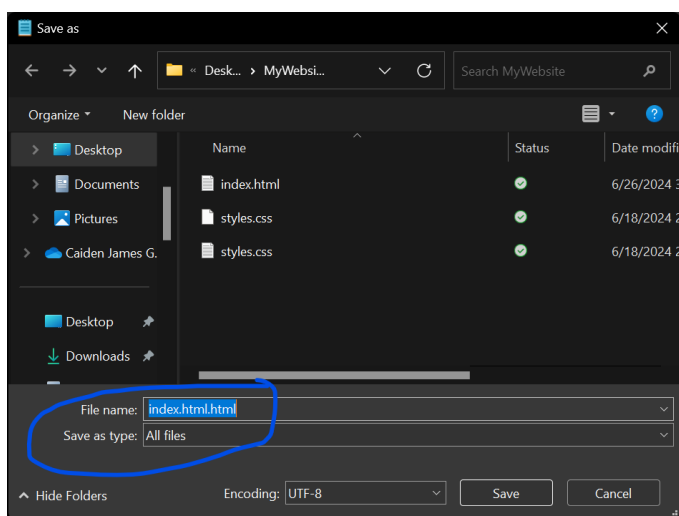


- Open your text editor and create two new text files. We can use Notepad as the text editor and to save the text file in the folder. Search for Notepad on your windows computer and then save as the empty file in your MyWebsite folder.
- Create and rename the first text file to: index.html
- Create and rename the second text file to: styles.css

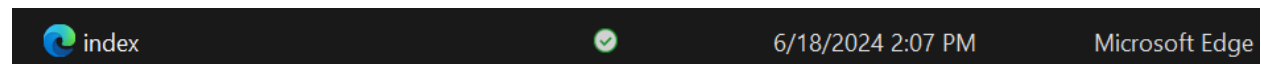
Name	Status	Date modified	Type
index.html	✓	6/18/2024 1:24 PM	Text Document
styles.css	✓	6/18/2024 1:32 PM	Text Document

Step 3: Writing HTML

Copy and paste the code below by clicking and dragging your mouse cursor over the code once the entire code has been highlighted right click on it and select copy to copy it. Once it has been copied navigate to your “index.html” text file open it right click inside the file and then select paste to paste the code. Then save the file as .html:



The file below appears in the MyWebsite folder:



```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title>Basic Website</title>

  <link rel="stylesheet" href="styles.css">

</head>

<body>

  <header>

    <h1>Welcome to My Basic Website</h1>

    <nav>

      <ul>

        <li><a href="#home">Home</a></li>

        <li><a href="#about">About</a></li>

        <li><a href="#services">Services</a></li>

        <li><a href="#contact">Contact</a></li>

      </ul>

    </nav>

  </header>

  <main>

    <section id="home">

      <h2>Home</h2>

      <p>This is the homepage of my basic website.</p>

    </section>

    <section id="about">

      <h2>About</h2>

      <p>This section contains information about the website.</p>

    </section>

    <section id="services">

      <h2>Services</h2>
```

```

    <p>This section describes the services offered.</p>

</section>

<section id="contact">

    <h2>Contact</h2>

    <p>This section contains contact information.</p>

</section>

</main>

<footer>

    <p>&copy; 2024 My Basic Website</p>

</footer>

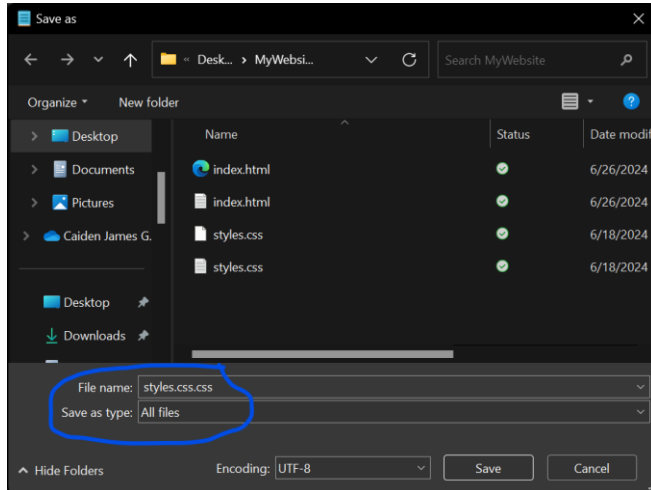
</body>

</html>

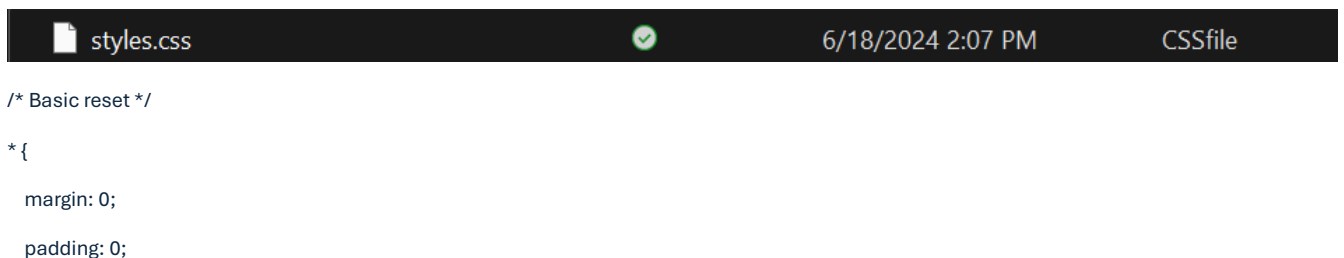
```

Step 4: Writing CSS

Copy and paste the code below by clicking and dragging your mouse cursor over the code once the entire code has been highlighted right click on it and select copy to copy it. Once it has been copied navigate to your “styles.css” text file open it right click inside the file and then select paste to paste the code. Then save the file as .css:



The file below appears in the MyWebsite folder:



```
    box-sizing: border-box;
}

body{

    font-family: Arial, sans-serif;

    line-height: 1.6;

    padding: 20px;

    background-color: #f4f4f4;
}

header {

    background-color: #333;

    color: #fff;

    padding: 20px 0;

    text-align: center;
}

nav ul {

    list-style: none;

    padding: 0;
}

nav ul li {

    display: inline;

    margin: 0 10px;
}

nav ul li a {

    color: #fff;

    text-decoration: none;
}

main {

    margin: 20px 0;
}

section {

    background-color: #fff;

    margin: 10px 0;

    padding: 20px;

    border-radius: 5px;

    box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
}
```

```

}

footer{

    text-align: center;





    margin-top: 20px;

}

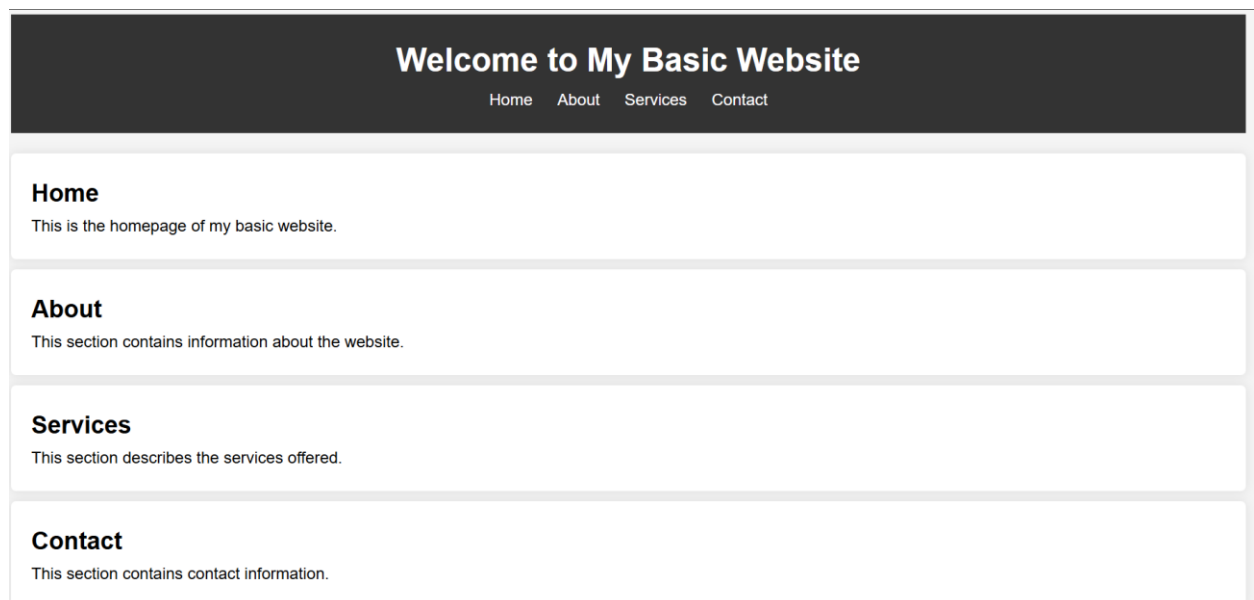
```

Step 5: Open Your Website locally

Now that all our files are set up and loaded with the correct HTML and CSS code, we can now double click the Microsoft edge file to see our website locally, without being connected to the internet, on our computer. Opening your website locally is ideal before making it public online. You can edit and add features or pictures to your website before exposing it to others online. It can also be worked on without internet access and serve as a learning experience for you to tinker around with the code. This is the first step in your web development journey and there are many resources online that can help teach you some new styles with CSS and different frameworks with HTML such as [W3schools](#) and [MDN Web docs](#)

Name	Status	Date modified	Type
 index	✓	6/18/2024 2:07 PM	Microsoft Edge
 index.html	✓	6/18/2024 2:07 PM	Text Document
 styles.css	✓	6/18/2024 2:07 PM	CSSfile
 styles.css	✓	6/18/2024 2:06 PM	Text Document

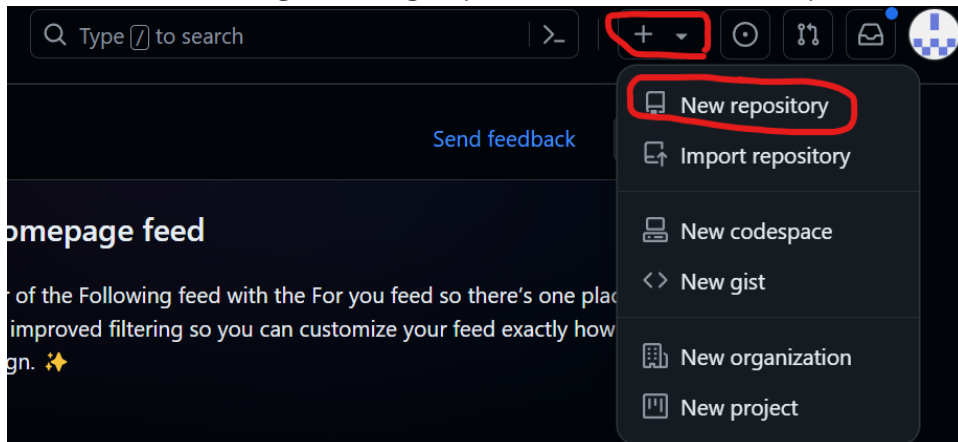
Congratulations you have successfully built your Website!



Step 6: (Optional) Make it Public!!

While having your website locally on your computer can be beneficial to you as the user it might be beneficial for others to reach your website as well so you can share information about yourself with others. To do this you typically need to have your website hosted which companies such as [Hostinger](#) and [GoDaddy](#) typically provide for a monthly fee. However, to get around this fee we're going to show you how you can do this for free using GitHub!

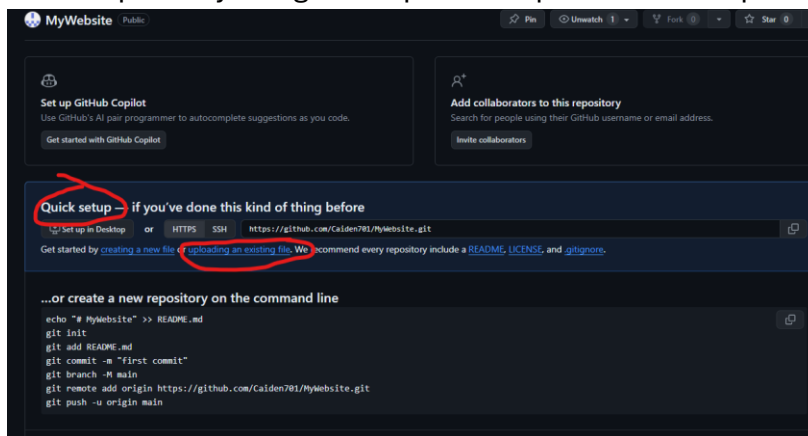
- Go to GitHub and sign in or sign up and hit the “+” icon to open a new repository.



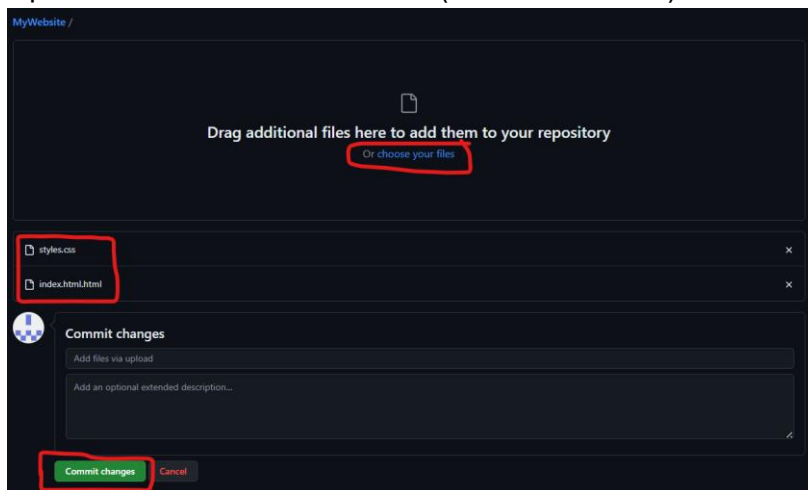
- Name the repository and add a description and make sure the repository is set to “public”.

A screenshot of the 'Create a new repository' form on GitHub. The form has several sections: 'Owner' (set to 'Caiden701'), 'Repository name' (set to 'MyWebsite', highlighted with a red circle), 'Description' (optional, set to 'This is my Website :)', highlighted with a red circle), 'Public/Private' (set to 'Public', highlighted with a red circle), 'Initialize this repository with' (checkbox for 'Add a README file'), 'Add .gitignore' (template set to 'None'), and 'Choose a license' (license set to 'None'). At the bottom right, there is a green 'Create repository' button, highlighted with a red circle.

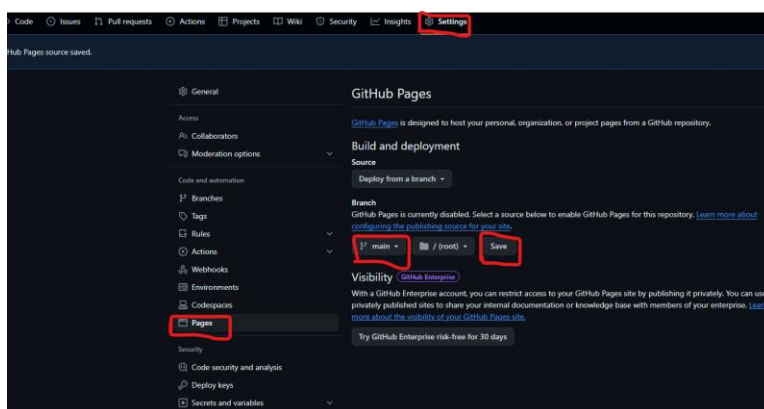
- In the repository navigate to quick setup and select “upload an existing” file.



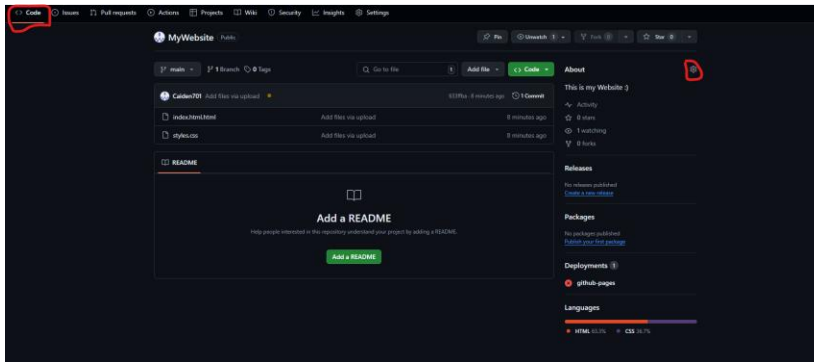
- Upload the HTML and CSS files (not the text files) and then select commit changes.



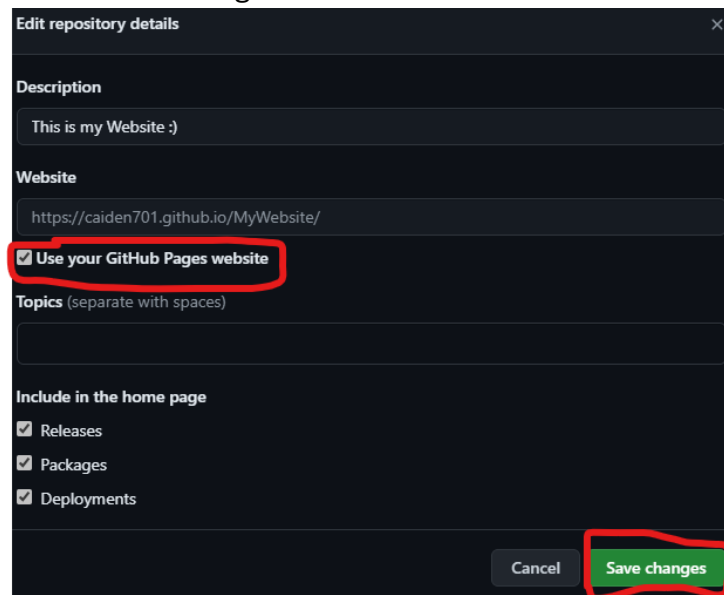
- Next go to settings>Pages>branch and under branch change the selection from none to main and then select save.



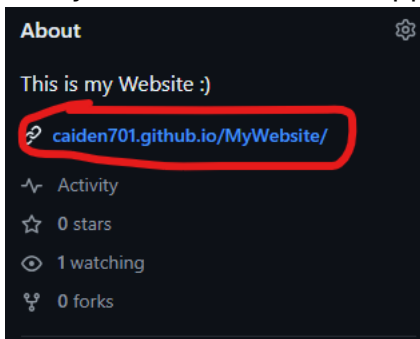
- After this has been saved go to code>about>settings (icon)



- Under website check the box that says use your GitHub pages website and then select save changes



- Lastly click on the link that appears in the about section to view your website.

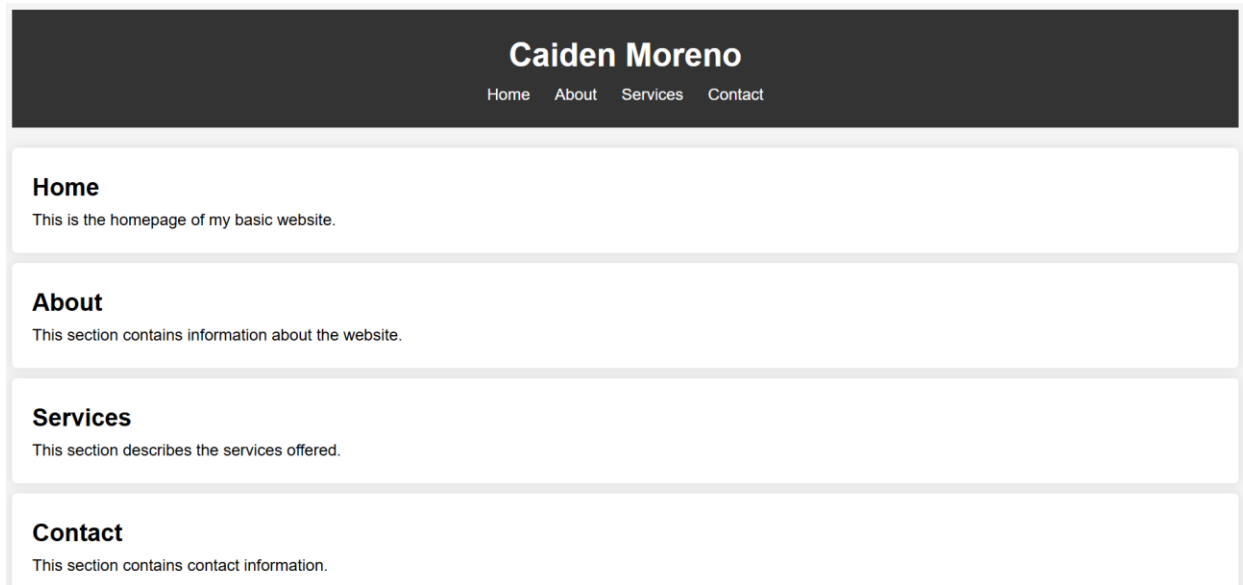


Congratulations you have successfully made your website public!!!

This website can also further be updated and edited in the future using GitHub

How to Make Your Own Website!

For Experts



Description

There are several reasons to create your own website. Whether you're experienced with different coding languages or have exclusive experience with HTML and CSS developing and designing your own website from scratch can showcase your technical skills and projects to employers, help you gain deeper knowledge into web development and design, and give you another place to present yourself professionally. By doing this tutorial you not only have a place to do all these things, but you'll learn where you can start editing your website and how it might change your website design. (This tutorial does not teach HTML or CSS . It teaches how to make a personal website locally and public, the importance of each of those, and where you can begin to make edits to your website. If you want to learn more or improve your skills for HTML or CSS you can visit these links: [W3Schools](#) , [code academy](#) , [CSS-Tricks](#), [MDN Web docs](#).)

Materials

- Access to a Windows Computer
- Internet connection
- GitHub account
- Text editor (Notepad)

Instructions

Step 1: Setup









Before we get into creating our HTML and CSS let's make sure we have everything set up.

- Make sure your windows computer is on or you have access to one.
- Connect to the internet
- Sign in or sign up for a GitHub account

Step 2: Folder Setup

Now that we have our initial setup ready let's set up our folders to store our files and program in.

- Create a new folder on your computer where you can store your website files. It can be named something like "MyWebsite" or "MyEpicWebsite"
- Open your text editor and create two new text files.
- Create and rename the first text file to: index.html
- Create and rename the second text file to: styles.css
- Once completed the files should line up like the picture below.

 index		6/18/2024 2:07 PM	Microsoft Edge
 index.html		6/18/2024 2:07 PM	Text Document
 styles.css		6/18/2024 2:07 PM	CSSfile
 styles.css		6/18/2024 2:06 PM	Text Document

Step 3: Writing HTML

Copy and paste the code below into the “index.html” text file and then save the file as “.html” so this file appears in the MyWebsite folder. Optionally, feel free to be creative here for example in this case I have changed the “Welcome to My Website” header to my name “Caiden Moreno” but you can also change the sub headers into whatever you like as well such as projects, education, skillsets, personal info, etc... (I have added comments to where these changes can be made.)

```
<!DOCTYPE html>

<html lang="en"                <!--Change the language -->

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Basic Website</title>

    <link rel="stylesheet" href="styles.css">

</head>

<body>

    <header>

        <h1>Caiden Moreno</h1>                <!--Change the header title -->

        <nav>

            <ul>

                <li><a href="#home">Home</a></li>                <!--Change the subheadings -->

                <li><a href="#about">About</a></li>                <!--Change the subheadings -->

                <li><a href="#Projects">Services</a></li>                <!--Change the subheadings -->

                <li><a href="#contact">Contact</a></li>                <!--Change the subheadings -->

            </ul>

        </nav>

    </header>

    <main>

        <section id="home">

            <h2>Home</h2>

            <p>This is the homepage of my basic website.</p>                <!--Change the subheading info -->

        </section>

        <section id="about">

            <h2>About</h2>

            <p>This section contains information about the website.</p>                <!--Change the
```

```

subheading info -->
    </section>
    <section id="Projects">
        <h2>Services</h2>
        <p>This section describes the services offered.</p> <!--Change the
subheading info -->
    </section>
    <section id="contact">
        <h2>Contact</h2>
        <p>This section contains contact information.</p> <!--Change the subheading info -->
    </section>
</main>
<footer>
    <p>&copy; 2024 My Basic Website</p> <!--Change basic website info -->
</footer>
</body>
</html>

```

Step 4: Writing CSS

Next, we need to add the style to the website. Copy and paste the code below into the “styles.css” text file and then save the file as .css so this file appears in the MyWebsite folder. Optionally, feel free to be creative here again. There are many examples of styles that can be found online as long as they line up with the html format. For now, we have provided you with the basic styling for ease of use.

```

/* Basic reset */
* {
    margin: 0;
    padding: 0;
    box-sizing: border-box;
}
body {
    font-family: Arial, sans-serif;
    line-height: 1.6;
    padding: 20px;
    background-color: #f4f4f4;
}
header {

```

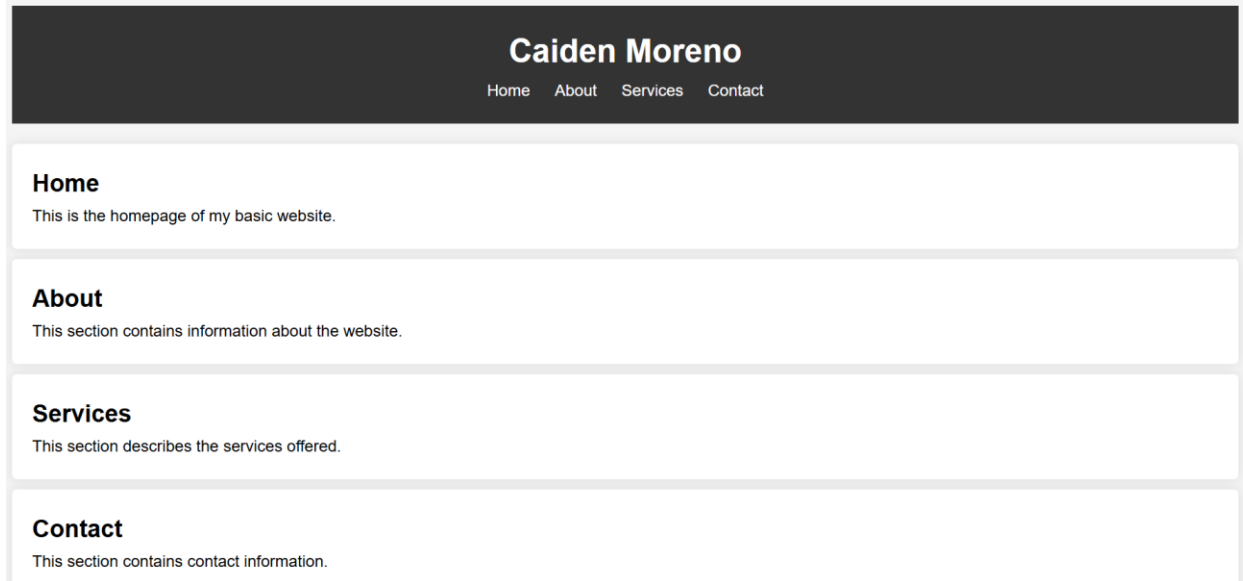
```
        background-color: #333;
        color: #fff;
        padding: 20px 0;
        text-align: center;
    }
    nav ul {
        list-style: none;
        padding: 0;
    }
    nav ul li {
        display: inline;
        margin: 0 10px;
    }

    nav ul li a {
        color: #fff;
        text-decoration: none;
    }
    main {
        margin: 20px 0;
    }
    section {
        background-color: #fff;
        margin: 10px 0;
        padding: 20px;
        border-radius: 5px;
        box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
    }
    footer {
        text-align: center;
        margin-top: 20px;
    }
}
```

Step 5: Open Your Website locally

Now that all our files are set up and loaded with the correct HTML and CSS code, we can now click the Microsoft edge file to see our website locally, without being connected to the internet, on our computer. Opening your website locally is ideal before making it public

online. You can edit and add features or pictures to your website before exposing it to others online. It can also be worked on without internet access and serve as a learning experience for you to tinker around with the code. It can also be used to back up your live site.



Congratulations you have successfully built your own website!!

Feel free to tinker with your website and continue to learn new ways to implement styles and formats to make it your own.

Step 6: Make it Public!!

While having your website locally on your computer can be beneficial to you as the user it might be beneficial for others to reach your website especially if you're trying to show employers your skills and projects as well as information about yourself. To do this you typically need to have your website hosted which companies such as [Hostinger](#) and [GoDaddy](#) typically provide for a monthly fee. However, to get around this fee we're going to show you how you can do this for free using GitHub!

- Go to GitHub and sign in or sign up and hit the "+" icon to open a new repository.
- Name the repository and add a description and make sure the repository is set to "public".
- In the repository navigate to quick setup and select "upload an existing" file.
- Upload the HTML and CSS files (not the text files) and then select commit changes.
- Next go to settings>Pages>branch and under branch change the selection from none to main and then select save.

- After this has been saved go to code>about>settings (icon) and under website check the box that says use your GitHub pages website and then select save changes
- Lastly click on the link that appears in the about section to view your website.

This website can also further be updated and edited in the future using GitHub