



# Setting up your own CS student website!

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# Your hosts: Alex Bellon & Lilly Tian

- We oversee [texasacm.org](https://texasacm.org)



# Why do I need a website?

There is **so** much you can do with a website!

Some things that come to mind?

- Establish personal branding
- Display portfolio & projects
- Give employers an interactive resume

- Showcase research & interests
- Playground to learn **HTML/CSS/JS** & other web technologies



## 0) Install an SFTP client

Whether you're on Windows, macOS, or Linux, you'll need an SFTP client to access your **public\_html** directory.

Free options include FileZilla, PuTTY, and WinSCP but there are many more.

We will be using FileZilla for this workshop.

[filezilla-project.org/download.php](https://filezilla-project.org/download.php)



# 1) Access your `public_html` directory

Login with your UT CS UNIX account credentials

Check machines: `apps.cs.utexas.edu/unixlabstatus`

- Host: `sftp://<CS_LAB_MACHINE>.cs.utexas.edu`
- Username: `<UTCS_UNIX_USERNAME>`
- Password: `*****`
- Port:

Navigate to `UTCS_UNIX_USERNAME/public_html`

## 2) Upload your landing page

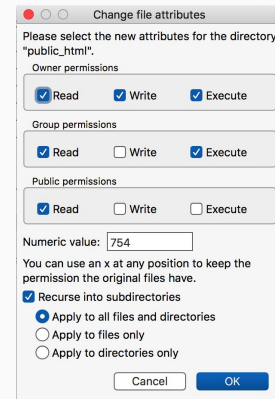
Upload **index.html** (may be 'welcome' instead of 'index' but **must** be one of the following file extensions: **.htm**, **.html**, **.shtml**, **.cgi**, OR **.php**)

Verify your **public\_html** directory's permissions

- Read ✓ & Recurse into subdirectories ✓

Navigate to <https://www.cs.utexas.edu/~username/>

Test that your website is viewable! (test with this file: [goo.gl/RMGZvz](https://goo.gl/RMGZvz))



Part II...



# I don't know HTML/CSS/JS!

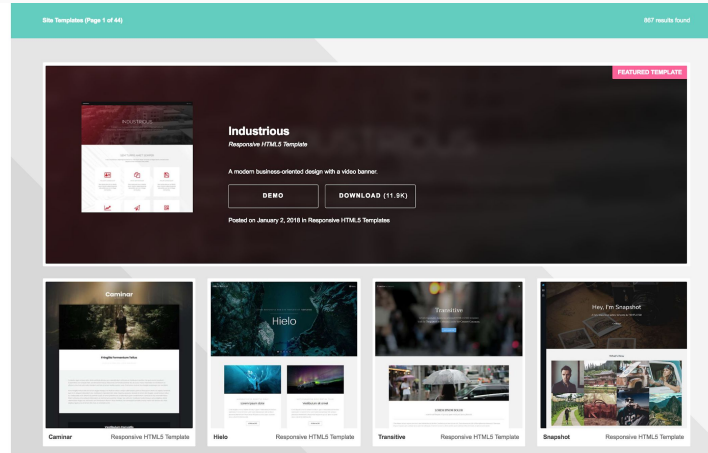
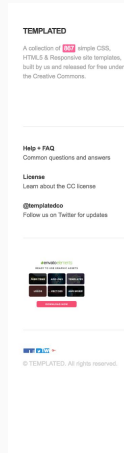
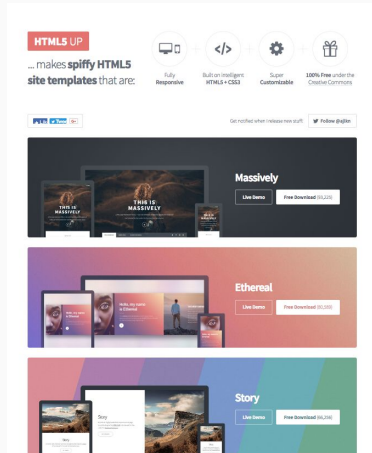


Fear not! Creative Commons website templates are plentiful on the web!



# 0) Download a template of your choice

Popular template sites include **HTML5Up**, **Templated**, and **Styleshout** among others

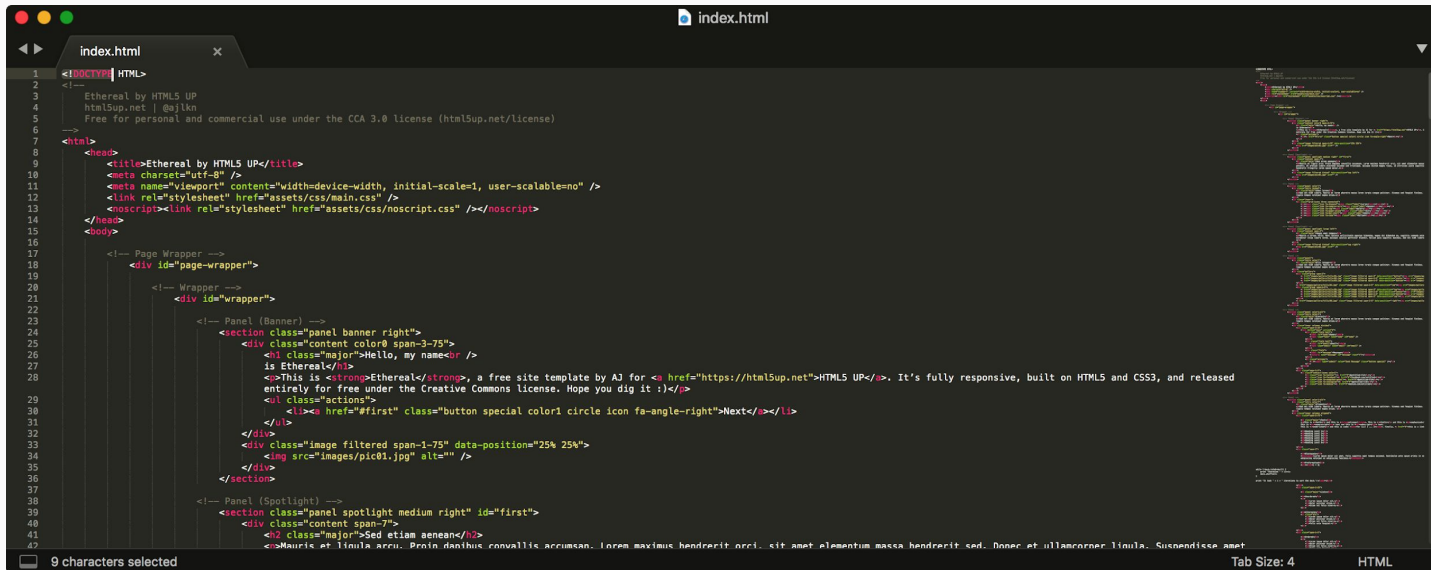


# Why use templates?

Templates do a lot of the heavy-lifting for you... You won't have to worry about:

- Designing your own layout (although you may customize if desired!)
- Making your website responsive for different display sizes
- Knowing more advanced CSS & JS
- Spending time on different iterations of the website & testing

# 1) Open index.html in your text editor of choice



```
1 <!DOCTYPE HTML>
2 <!--
3   Ethereal by HTML5 UP
4   html5up.net | @ajlkn
5   Free for personal and commercial use under the CCA 3.0 license (html5up.net/license)
6 -->
7 <html>
8 <head>
9   <title>Ethereal by HTML5 UP</title>
10  <meta charset="utf-8" />
11  <meta name="viewport" content="width=device-width, initial-scale=1, user-scalable=no" />
12  <link rel="stylesheet" href="assets/css/main.css" />
13  <noscript><link rel="stylesheet" href="assets/css/noscript.css" /></noscript>
14 </head>
15 <body>
16
17   <!-- Page Wrapper -->
18   <div id="page-wrapper">
19
20     <!-- Wrapper -->
21     <div id="wrapper">
22
23       <!-- Panel (Banner) -->
24       <section class="panel banner right">
25         <div class="content color0 span-3-75">
26           <h1 class="major">Hello, my name<br />
27             is Ethereal</h1>
28           <p>This is <strong>Ethereal</strong>, a free site template by AJ for <a href="https://html5up.net">HTML5 UP</a>. It's fully responsive, built on HTML5 and CSS3, and released
29             entirely for free under the Creative Commons license. Hope you dig it :)</p>
30           <ul class="actions">
31             <li><a href="#first" class="button special color1 circle icon fa-angle-right">Next</a></li>
32           </ul>
33         </div>
34         <div class="image filtered span-1-75" data-position="25% 25%">
35           
36         </div>
37       </section>
38
39       <!-- Panel (Spotlight) -->
40       <section class="panel spotlight medium right" id="first">
41         <div class="content span-7">
42           <h2 class="major">Sed etiam aenean</h2>
43           <p>Mauris at litora arcu. Proin dantibus convallis accumsan. Lorem maximus hendrerit orci. sit amet elementum massa hendrerit sed. Donec et ullamcorper litora. Suspendisse amet
```

9 characters selected

Tab Size: 4 HTML

## 2) Add content to your landing page

It's easy to identify placeholder text and replace it with your content. One way I work is to have a text editor on one half of the screen and a live preview of your local website in your browser on the other half of the screen!

### 3) Tweak template to your needs

Templates are highly customizable, all you need to know are basic **HTML tags**.

To fine-tune text styles, element properties, and colors among other things, explore **CSS** (many guides **@W3 Schools**).

# Essential HTML <tags>

<title> Document title

<h1> Header 1 (through 6)

<p> Paragraph

<ul> Unordered list

<li> List item

<img> Image

<code> Code text

<table> Table

<thead>, <tr>, <td>

<b> Bold

<br> Break line

<!-- --> Comment

<a> Link

<i> Italic

<code>&lt;!--...--&gt;</code>	<i>comment</i>	<code>&lt;code&gt;</code>	<i>code text</i>	<code>&lt;html&gt;</code>	<i>html document</i>
<code>&lt;!doctype&gt;</code>	<i>document type</i>	<code>&lt;col&gt;</code>	<i>attributes for columns</i>	<code>&lt;i&gt;</code>	<i>italic text</i>
<code>&lt;a&gt;</code>	<i>hyperlink</i>	<code>&lt;colgroup&gt;</code>	<i>groups of columns</i>	<code>&lt;iframe&gt;</code>	<i>inline sub window</i>
<code>&lt;abbr&gt;</code>	<i>abbreviation</i>	<code>&lt;dd&gt;</code>	<i>definition description</i>	<code>&lt;img&gt;</code>	<i>image</i>
<code>&lt;address&gt;</code>	<i>address element</i>	<code>&lt;del&gt;</code>	<i>deleted text</i>	<code>&lt;input&gt;</code>	<i>input field</i>
<code>&lt;area&gt;</code>	<i>image map area</i>	<code>&lt;div&gt;</code>	<i>generic block-level element</i>	<code>&lt;ins&gt;</code>	<i>inserted text</i>
<code>&lt;b&gt;</code>	<i>bold text</i>	<code>&lt;dfn&gt;</code>	<i>defining instance of a term</i>	<code>&lt;kbd&gt;</code>	<i>keyboard text</i>
<code>&lt;base&gt;</code>	<i>base URL for all links in page relative to document root</i>	<code>&lt;dl&gt;</code>	<i>definition list</i>	<code>&lt;label&gt;</code>	<i>label for a form control</i>
<code>&lt;bdo&gt;</code>	<i>text direction</i>	<code>&lt;dt&gt;</code>	<i>definition term</i>	<code>&lt;legend&gt;</code>	<i>title in a fieldset</i>
<code>&lt;blockquote&gt;</code>	<i>long quotation</i>	<code>&lt;em&gt;</code>	<i>emphasized text</i>	<code>&lt;li&gt;</code>	<i>list item</i>
<code>&lt;body&gt;</code>	<i>body element</i>	<code>&lt;fieldset&gt;</code>	<i>logically group items in a form</i>	<code>&lt;link&gt;</code>	<i>resource reference</i>
<code>&lt;br&gt;</code>	<i>single line break</i>	<code>&lt;form&gt;</code>	<i>defines a form</i>	<code>&lt;map&gt;</code>	<i>image map</i>
<code>&lt;button&gt;</code>	<i>push button</i>	<code>&lt;h1&gt; to &lt;h6&gt;</code>	<i>header 1 to header 6</i>	<code>&lt;menu&gt;</code>	<i>menu list</i>
<code>&lt;caption&gt;</code>	<i>table caption</i>	<code>&lt;head&gt;</code>	<i>document information</i>	<code>&lt;meta&gt;</code>	<i>meta information</i>
<code>&lt;cite&gt;</code>	<i>citation</i>	<code>&lt;hr&gt;</code>	<i>horizontal rule</i>	<code>&lt;noscript&gt;</code>	<i>no script section</i>

# Further resources

- W3 Schools
- Codecademy
- Udacity
- StackOverflow
- Friends @MAD? :)
  - rip :(