

Absolute Beginner's Guide to Web Development Lab Contents

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Absolute Beginner's Guide to Web Development Workshop

Workshop Overview

For this workshop, we are going to use Github Pages to create, edit, and manage HTML, CSS and JavaScript (jQuery) content.

Quick Points

1. Google Chrome is the best browser to use for this workshop.
2. At times you will need to clear the browser cache for changes to appear (CTRL+SHIFT+DEL in Chrome).

IMPORTANT: In the dialog box, be sure to uncheck the box next to **Clear Cookies and Other Site Data**.

3. Once you clear the cache, you may need to log into Github again. The login info is available in the header of every page throughout this document (after this page).

Clear browsing data

Basic Advanced

Time range Last hour

☒ Browsing history
Clears history and autocompletions in the address bar.

☐ Cookies and other site data
Signs you out of most sites. You won't be signed out of your Google Account.

☒ Cached images and files
Frees up less than 356 MB. Some sites may load more slowly on your next visit.

Cancel Clear data

4. Have fun and be patient – lots of new material and moving parts! 😊

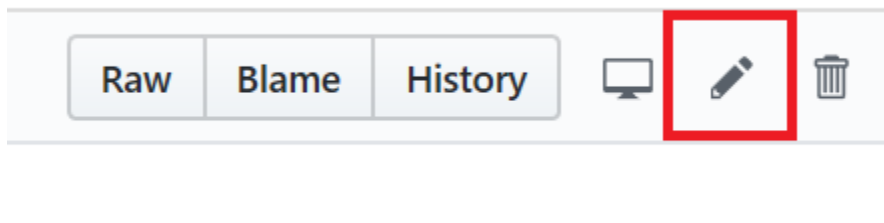
Github Login

1. Go to github.com
2. Sign in with the following username and password

username: mooweb

password: Pass@word123!

3. Once you are signed in, type the following website address in the address bar and click **enter**:
<http://tiny.cc/may9-files>
4. Click on the folder with your name on it
5. Click on the file titled **index.html**
6. Click the small pencil icon above the file content to begin editing the file:



HTML Updates

Update following content in your index.html document:

<head> section updates

1. Change the content attribute to your name, change the title tag to a page tab title you prefer

```
1  <!DOCTYPE html>
2  <html>
3    <head>
4      <meta charset="UTF-8">
5      <meta name="description" content="Training Website">
6      <meta name="keywords" content="HTML,CSS,JavaScript">
7      <meta name="author" content="Shonna Dorsey">
8      <meta name="viewport" content="width=device-width, initial-scale=1.0">
9
10     <title>My Page</title>
11
```

<body> section updates

1. Change the <div> color names on lines 21 and 22 to colors you prefer.

Current HTML Content:

Line 21: <div id='color1'></div>

Line 22: <div id='color2'></div>

Example Update:

Line 21: <div id = 'orange'></div>

Line 22: <div id = 'yellow'></div>

2. Update the <p> content on lines 28 and 29 to your own text.
3. Update the <a> tag on line 34 to refer to a web page you prefer.

4. Update the **** tag on line 37 to refer to a link and image you prefer. See info below on how to add an open source image.

How to Add an Open Source Image from pexels.com in **Google Chrome**

1. Go to pexels.com.
2. Search for a photo you like.
3. Right click on the photo and click on **Copy Image Address. This step is specific to Google Chrome.**
4. Return to index.html and replace the # sign on line 37 with the link you copied.

Original: ``

Updated:

```
<img  
src='https://images.pexels.com/photos/33109/fall-  
autumn-red-  
season.jpg?auto=compress&cs=tinysrgb&h=750  
&w=1260'>
```

5. In the address you pasted, **delete** everything in the link after the image extension. In this case, the image extension is .jpg – delete everything after .jpg.

Original pasted link:

`https://images.pexels.com/photos/33109/fall-
autumn-red-`

Github URL Workshop: <http://tiny.cc/may9-files>/firstname
Live Workshop Site Link: tiny.cc/may-9/firstname
Username: mooweb
Password: Pass@word123!

season.jpg?auto=compress&cs=tinysrgb&h=750&w=1260

Updated link:

<https://images.pexels.com/photos/33109/fall-autumn-red-season.jpg>

6. Scroll to the bottom of the page and click the green Commit Changes button to save your changes.

To view the changes in the browser, type tiny.cc/may-9/firstname/ and click enter.

You may need to refresh your browser cache to view changes (CTRL+SHIFT+DEL)

CSS Updates

1. Return to Github.com.
 2. Go to the following address: **tiny.cc/may9-files**.
 3. Click on the folder with your name on it and click on the css folder.
 4. Open style.css and click the edit button to make the following updates:
-

1. Resize the divs and images by typing the following info:

```
div, img {  
  height: 12em;  
  width: 12em;  
  display: inline-block;  
  margin: 1em;  
}
```

2. Animate your divs

```
div {animation: recolor 5s infinite;}  
  
@keyframes recolor {to {background: green;}}
```

3. Change the background color of your divs:

```
#red {background: #ff0000;}  
#green {background: #00cc44;}
```

Find hex codes if you'd like custom colors at the following link: <http://tiny.cc/color-picker>

To view the changes in the browser, type **tiny.cc/may-9/firstname/** and click enter.

You may need to refresh your browser cache to view changes (CTRL+SHIFT+DEL)

jQuery Updates

1. Return to Github.com.
2. Go to the following address: tiny.cc/may9-files.
3. Click your named folder
4. Click the js folder.
5. Open script.js and click the edit to make the following changes:

Line 1: \$(document).ready(function(){

Line 2: \$('#rounded').click(function(){

Line 3: \$('#div').css({'border-radius':'10em'});

Line 4: });

Line 5: \$('#p').click(function(){

Line 6: \$('#custom').css({'background':'pink'});

Line 7: });

Line 8: \$('div').click(function(){

Line 9: \$(this).hide();

Line 11: });

Line 10: });

To view the changes in the browser,
type **tiny.cc/may-9/firstname/** and click Enter

Additional Resources

Free online coding courses:

1. Codecademy – free online web development tutorials:
<https://www.codecademy.com/>
2. FreeCodeCamp – learn to code for free. Opportunities to help nonprofits: <https://learn.freecodecamp.org/> -

Code Snippets

1. w3schools- Great resource for getting started with front end development: <https://www.w3schools.com/>
2. css-tricks - Tips and tricks for CSS. Great help forum: <https://css-tricks.com/>
3. Codepen - Creative uses of jQuery, JavaScript, CSS: <https://codepen.io/>

Code Editors

Atom - Developed by Github: <https://atom.io/> -

Brackets- lightweight, powerful: <http://brackets.io/>