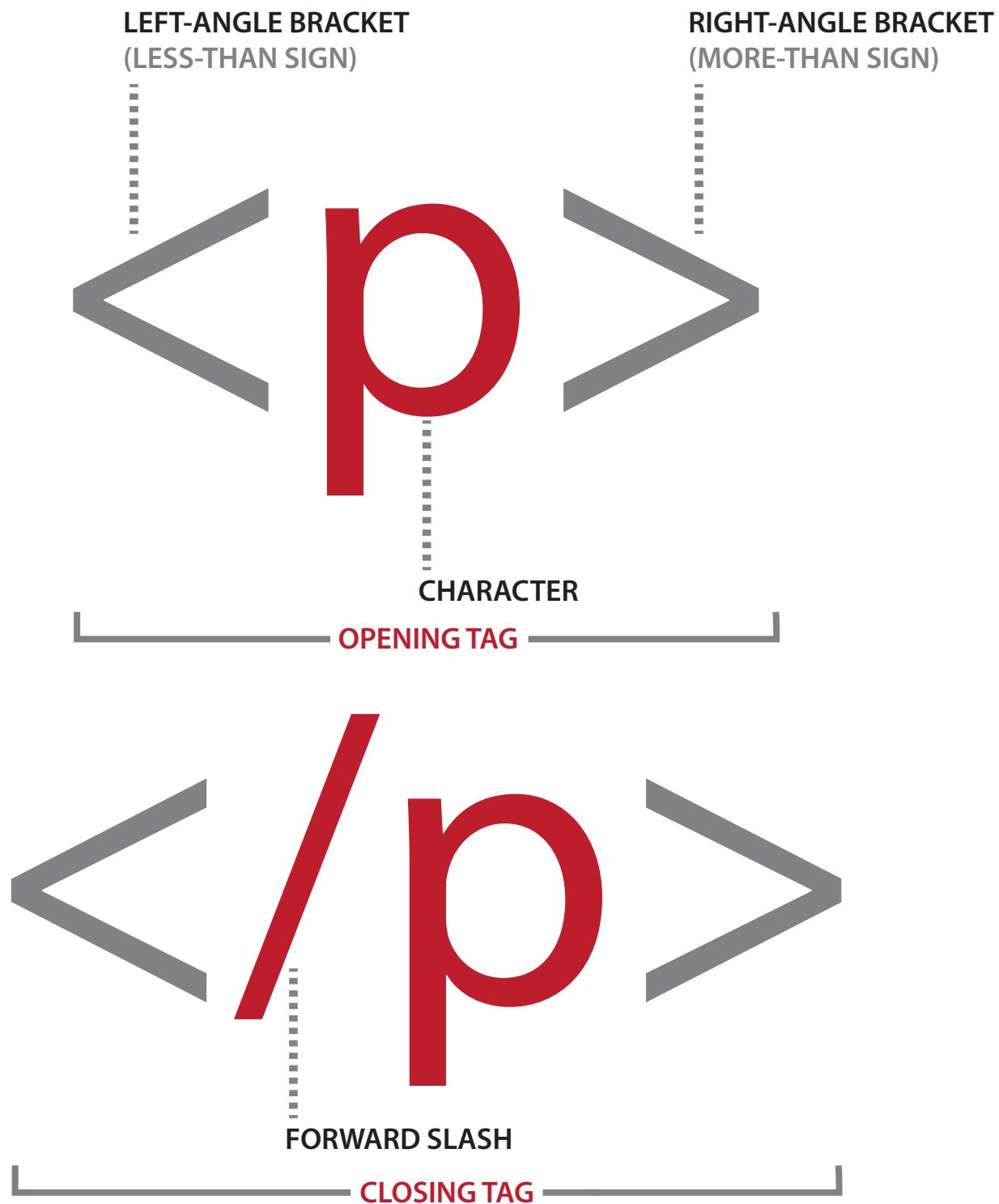


# **WELCOME TO CODE FELLOWS**

Code 101

Intro to Software Development  
& Careers in Tech

# TAG ANATOMY

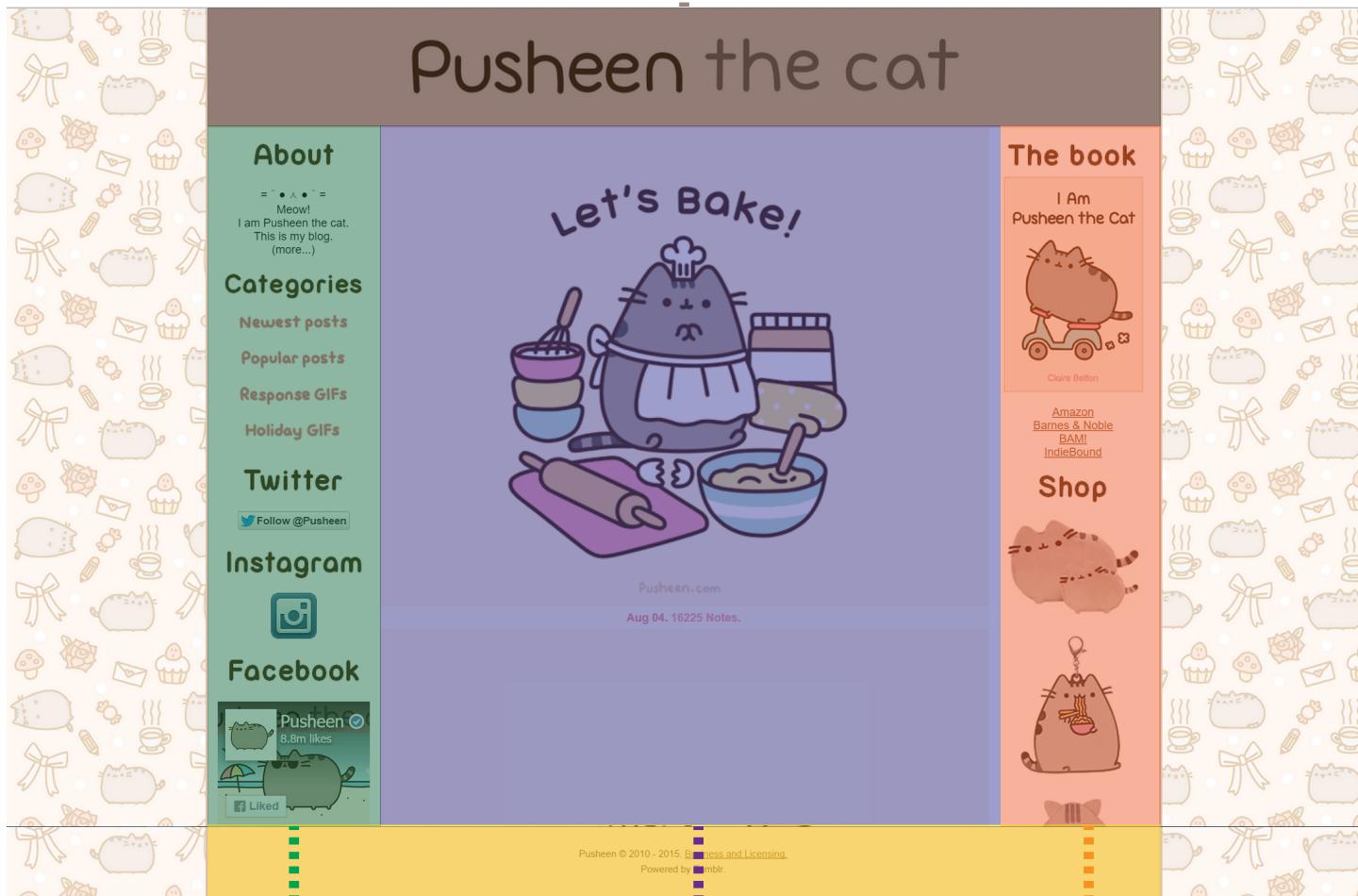


The **character** in each bracket indicates the tag's purpose.  
The content is written between the two tags.

# HTML SITE ANATOMY

## HEADER

<header></header>



## NAV

<nav></nav>

## FOOTER

<footer></footer>

## SECTION

<section></section>

## ASIDE

<aside></aside>

# HTML SITE ANATOMY

## HEADER

```
<header></header>
```

## Earthquake Preparedness

### LIST

```
<ul><li></li></ul>
```

LINK

```
<a href="url">
</a>
```

### IMAGE

```

```



### PARAGRAPH

```
<p></p>
```

### North America

Look around places where you spend time. Identify safe place such as under a sturdy piece of furniture or against an interior wall in your home, office or school so that when the shaking starts, you Drop to the ground, Cover your head and neck with your arms, and if a safer place is nearby, crawl to it and Hold On.

When the shaking stops, look around. If there is a clear path to safety, leave the building and go to an open space away from damaged areas.

© Your Name Here 2015

## SECTION

```
<section></section>
```

## ARTICLE

```
<article></article>
```

# HTML CHEAT SHEET

<head></head>

This tag contains content **ABOUT** the page like the **title**.

<title></title>

This tag contains the title that shows up in the browser title bar.

<body></body>

This tag contains content shown **ON** the page like a **paragraph**.

<p></p>

Surround each paragraph of content with this tag.

<a href="url"></a>

Create links! The content between the tags is the display text.



This tag inserts an image. It doesn't need to be closed.

<strong></strong>

This tag **bolds** the content between it.

<br />

This tag creates a line break. It does not require a closing tag.

<h1></h1>

Use this tag with a number 1-6 to define a heading. <h1> is the largest and <h6> the smallest.

# CSS SITE ANATOMY

```
header {  
    color: white;  
    background-color: black;  
    text-align: center;  
    font-size: 20px;  
    display: block;  
}
```

```
body {  
    width: 800px;  
}
```

## Earthquake Preparedness

[North America](#)  
[East Asia](#)  
[Southeast Asia](#)



### North America

Look around places where you spend time. Identify safe place such as under a sturdy piece of furniture or against an interior wall in your home, office or school so that when the shaking starts, you Drop to the ground, Cover your head and neck with your arms, and if a safer place is nearby, crawl to it and Hold On.

When the shaking stops, look around. If there is a clear path to safety, leave the building and go to an open space away from damaged areas.

```
nav {  
    background-color: #eeeeee;  
    width: 125px;  
    height: 600px;  
    display: inline-block;  
    font-size: 18px;  
}
```

```
section {  
    width: 640px;  
    display: inline-block;  
    padding: 10px;  
}
```

© Your Name Here 2015

```
footer {  
    width: 800px;  
    background-color: black;  
    color: white;  
    display: block;  
    text-align: center;  
}
```

# CSS CHEAT SHEET

**width**

The content area's width (within the padding, border, and margin)

**margin**

The margin of the element on each of its four sides.

**padding**

The padding of the element on each of its four sides.

**background-color**

Set the background color of an element with a value or keyword.

**color**

Set the text color of an element with a value or keyword.

**font-size**

Specify the size of the font using a value or keyword.

**text-align**

Set the horizontal alignment of text using a keyword.

**vertical-align**

Set the vertical alignment of text using a keyword.

**display**

The way an element is rendered on screen. This setting can affect the position of other elements.

# GIT CHEAT SHEET

## Navigating the Terminal

**cd folder-name**

Type `cd` folder-name to navigate to a folder.<sup>1</sup> Type `cd ..` to go to the parent folder.

**ls -la**

Display ALL (including hidden) files in the folder. `-la` is a flag. Flags modify commands.<sup>2</sup>

## Using Git

**git clone url**

Replace `url` with the url of a repo you want to clone to your computer.

**git add --all**

This command will stage ALL untracked files.

**git status**

It shows which updated files are untracked (not git added) and which are staged.

**git commit -m "msg"**

Commit ALL staged files. Replace `msg` with a descriptive message.

**git push origin master**

This command will upload your commit to GitHub.

<sup>1</sup> Start typing the folder name and hit tab to auto-complete.

<sup>2</sup> Flag letters are abbreviations. `l` stands for list and `a` stands for all. You can mix and match these freely. Try `ls`, `ls -a`, and `ls -l` to see the differences.

# UPLOADING A PAGE TO GITHUB

## Host your web site on GitHub

“Deployment” is the process of moving your code from your computer to a web server where anyone can access it with a browser. Follow along with these steps to deploy the web site that your team built.

1. The pair in your team that is working on the *home* page of your website MUST name it *index.html*. If this is not the case, they should rename it now. *Note to all team members: Anytime you change the filename of your HTML files, you must update the links(<a>) in your code so they reference the new filename.*
2. Make sure the file is saved into a folder named “Projects” in your your home directory.
3. Open up Terminal (Mac/Linux) or GitBash (Windows).
4. Type **pwd** and hit enter to verify that you are in your home directory. It should show something like this:

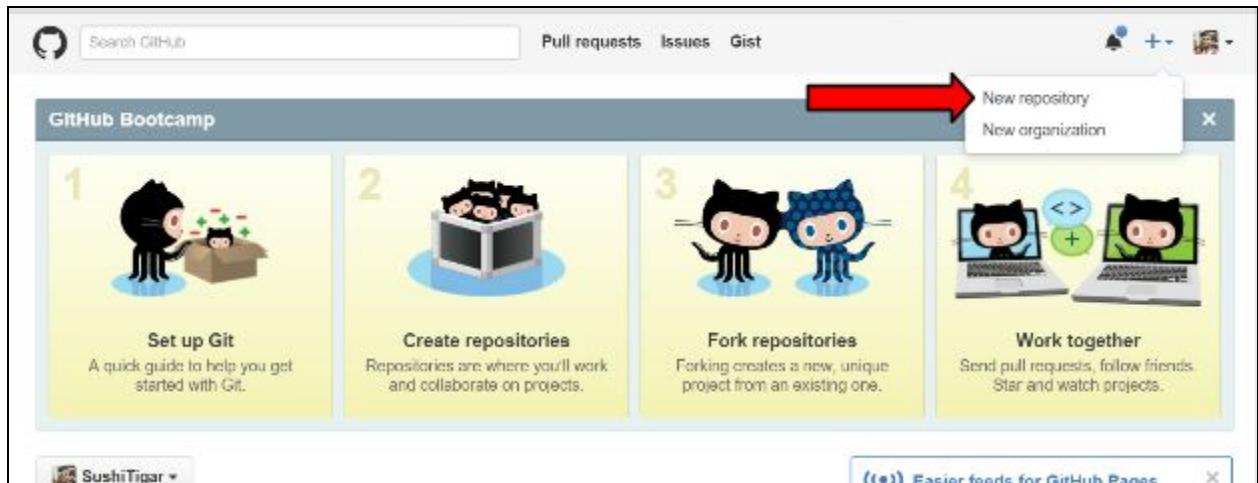
```
Sushiil@DASTSURFACE ~
$ pwd
/c/Users/sushiil
```

5. Now type **cd Projects** (if you named your project folder something different, change that name here) and hit enter. The “cd” command tells the system to move to a different folder. “Projects”, in this case, is the folder that you want to move to.

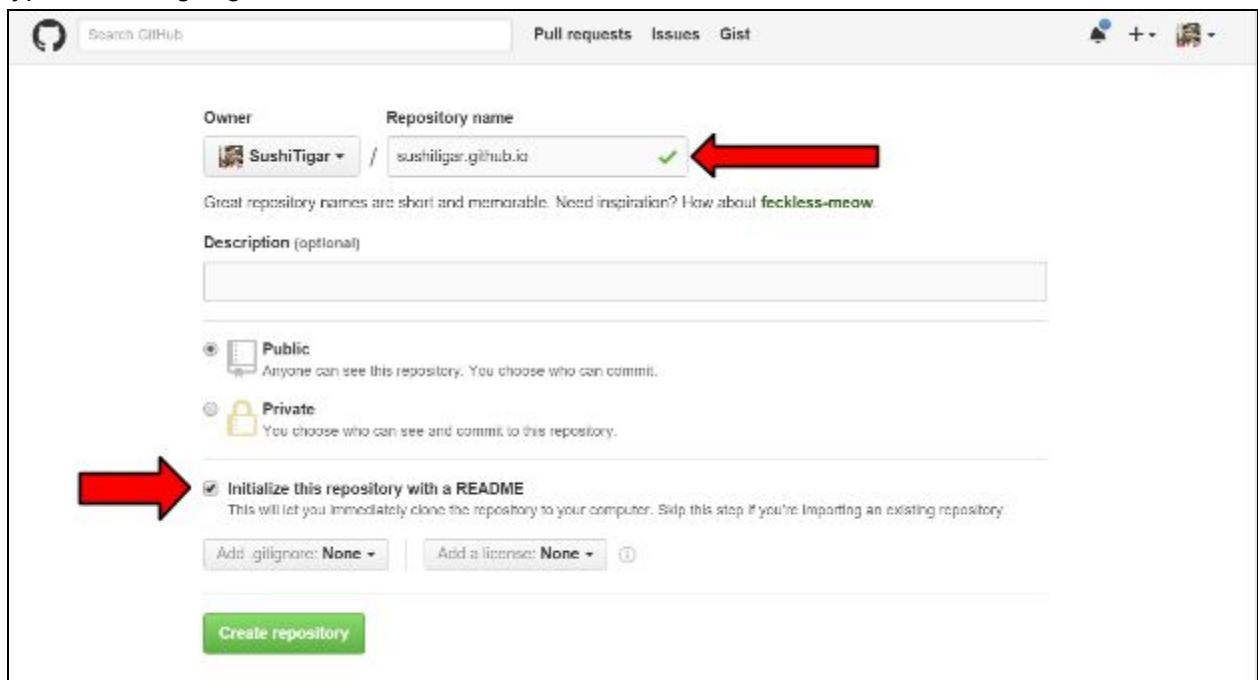
```
Sushiil@DASTSURFACE ~
$ cd Projects
```

# UPLOADING A PAGE TO GITHUB

- Now open up your web browser and go to [github.com](https://github.com). Login if you haven't already. Select the + icon in the top right and then select **New repository**.



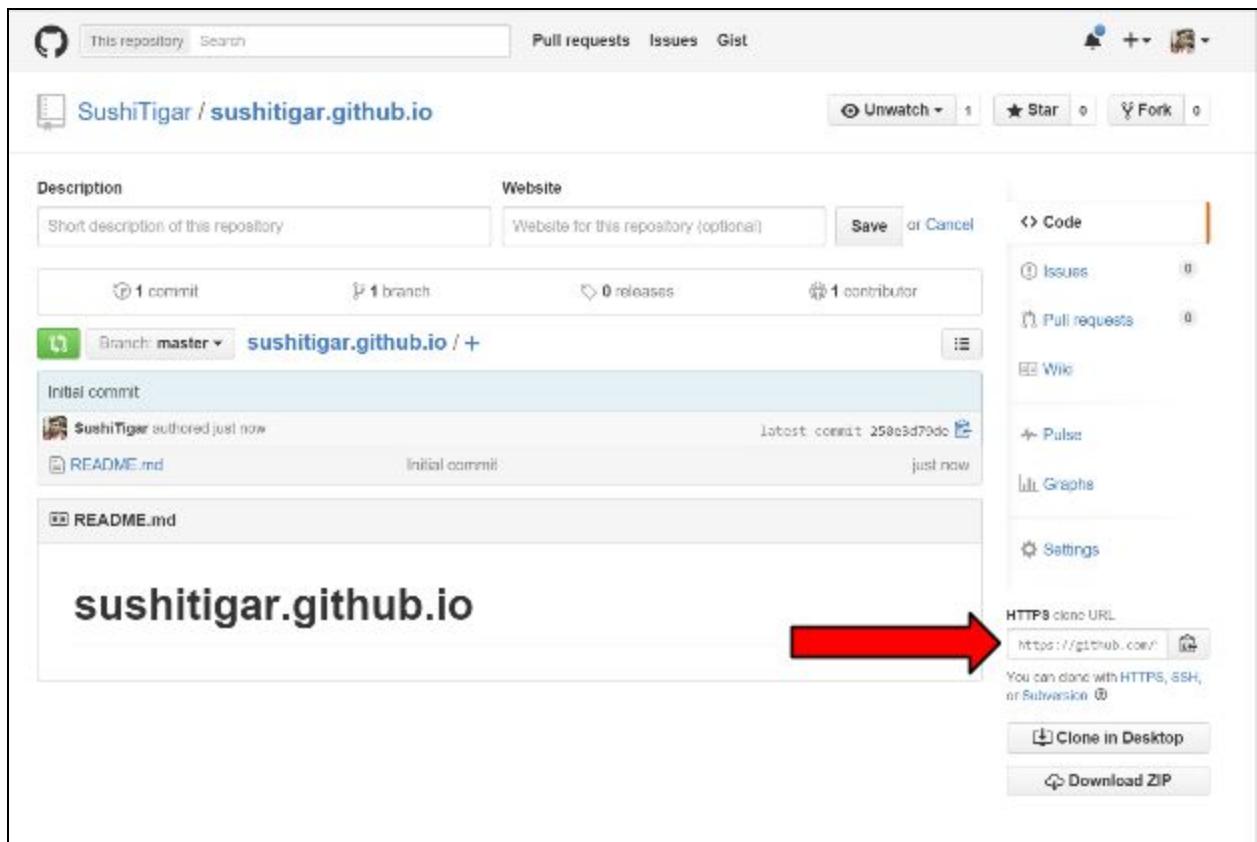
- In the field named "Repository name", type in **username.github.io** replacing "username" with your GitHub username. In this example below, my username is "sushitigar" so I typed "sushitigar.github.io".



- Ensure that you are creating "Public" repo. Add a Description if you like.
- IMPORTANT** select the checkbox next to **Initialize this repository with a README**.
- Finally, select the green **Create repository** button at the bottom.

# UPLOADING A PAGE TO GITHUB

11. On this next page, on the bottom of the right column (pictured below), highlight and copy the text in the field named **HTTPS clone URL**.



12. Now go back to your Terminal or Git Bash program. Before you go further, you need to know how to paste text into your terminal:

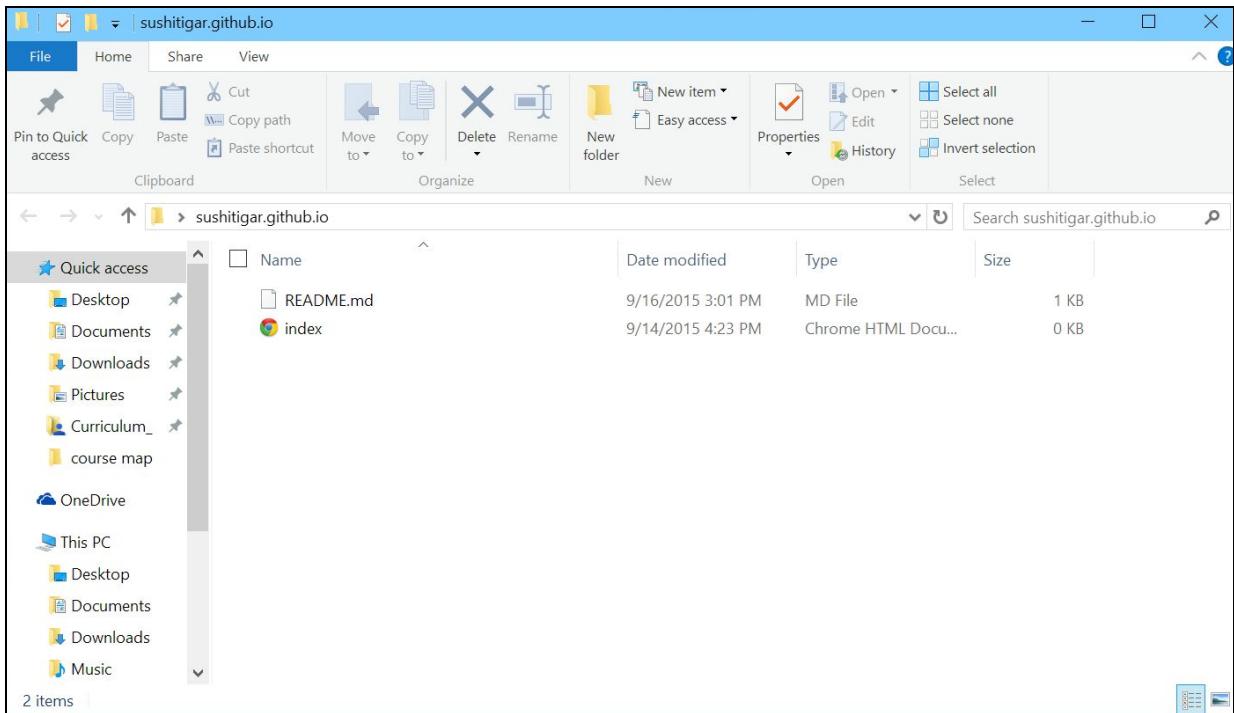
- Git Bash on Windows: right-click on the title bar, select **Edit**, and then select **Paste**.
- Mac: **Cmd-V**.
- Linux: press **Ctrl-Shift-V**.

13. Next you're going to **clone** that repository you just made on GitHub onto your computer. When you clone something, you are making a copy of that repository ("repo") on your computer, and linking your computer's repo to the one on GitHub. To clone, type **git clone** into your terminal, then paste in the link you copied from GitHub. It should look like this: (replacing "username" with your username)  
**git clone https://github.com/username/username.github.io.git**.  
Hit enter and you should get a message back similar to the image on the next page.

# UPLOADING A PAGE TO GITHUB

```
Sushitigar@DASTSURFACE ~/Projects/sushitigar.github.io (master)
$ git clone https://github.com/Sushitigar/sushitigar.github.io.git
Cloning into 'sushitigar.github.io'...
remote: Counting objects: 15, done.
remote: Compressing objects: 100% (10/10), done.
remote: Total 15 (delta 5), reused 7 (delta 0), pack-reused 0
Unpacking objects: 100% (15/15), done.
Checking connectivity... done.
```

- Now if you look in your Projects folder, there should be a new folder there named **username.github.io** (“username” being your GitHub username). Copy your index.html file from your Projects folder into the new “username.github.io” folder.



- Now type **cd username.github.io** (As always, replace “username” with your username) and then hit enter. To make typing easier, start typing your username, then hit **Tab**; if the folder is there, the terminal will fill in the rest of the name for you.

```
Sushitigar@DASTSURFACE ~/Projects
$ cd sushitigar.github.io
```

- Type **git status**. Git will show you what files on your computer have changed since you last made a **commit**. Commits are a snapshot of what your files look like at a specific point in time. In this case, you haven’t done one yet, so it will tell you what’s changed since you cloned the repo. Here, it’s telling you that you’ve added the index.html file.

# UPLOADING A PAGE TO GITHUB

```
Sushitigar@DASTSURFACE ~/Projects/sushitigar.github.io (master)
$ git status
On branch master
Your branch is up-to-date with 'origin/master'.

Changes not staged for commit:
  (use "git add <file>..." to include in what will be committed)

    index.html

no changes added to commit (use "git add" and/or "git commit -a")
```

17. Now type **git add index.html** and hit enter. This tells git that you're going to want to take a snapshot of this file soon. Repeat the **git add** command for every other file indicated by Git (in blue) as “untracked”.

```
Sushitigar@DASTSURFACE ~/Projects/sushitigar.github.io (master)
$ git add index.html
```

18. Next, type **git commit -m “first commit”** and hit enter. **commit** tells git to take the snapshot. The **-m** bit tells it that you want to save a message with that snapshot (think of it like a caption). The text in quotes is the **commit message** (the caption). You should see a response back similar to below.

```
Sushitigar@DASTSURFACE ~/Projects/sushitigar.github.io (master)
$ git commit -m "first commit"
[master 2aca5b8] first commit
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 index.html
```

19. Now type **git push origin master** and hit enter. You'll get asked for your GitHub username and password, and then it will give you a response similar to the one below. **git push** sends your code to GitHub, and will make your GitHub repo have the same files, with the same changes, as the commit you just made.

```
Sushitigar@DASTSURFACE ~/Projects/sushitigar.github.io (master)
$ git push -u origin master
Counting objects: 4, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 283 bytes | 0 bytes/s, done.
Total 3 (delta 0), reused 0 (delta 0)
To https://github.com/SushiTigar/sushitigar.github.io.git
 d99d577..2aca5b8  master -> master
Branch master set up to track remote branch master from origin.
```

20. If everything went right, you can enter this address in your browser and see your website, live on the Internet!

(Replace “username” with your username)  
**<http://username.github.io>**

Share this address with your friends and family and they'll be able to see your handiwork too.

# Next Steps After Code 101

## Beginner-Friendly Resources

Congratulations on completing Code 101! You're about to enter an exciting industry and build some amazing things. So what's next in your journey? Here are some resources to help you as you continue to learn.

### Tutorials

#### Codecademy

[www.codecademy.com](http://www.codecademy.com)

Codecademy provides step-by-step instructions and interactive tutorials, so you can practice writing the code yourself. Modules cover HTML/CSS, Python, JavaScript, jQuery, and more.

#### Treehouse

[www.teamtreehouse.com](http://www.teamtreehouse.com)

By combining quizzes, videos, and code challenges, Treehouse offers an interactive online education and specific paths to help you reach your goals. You can learn the basics of HTML, CSS, Ruby, JavaScript, design, iOS, Android, common development tools, and more.

### Books

#### HTML & CSS: Design & Build Website

#### JavaScript & JQuery: Interactive Front-End Web Development

This set of books (also sold separately) by Jon Duckett is highly recommended for anyone interested in web design or development. The beautiful design and straightforward writing style makes it a great option for beginners and covers the pillars of web development. These are the texts for the Code Fellows Code 201 class.

### Classes

#### Code 102: Intro to Javascript

Mon. - Fri., 6:30 - 9:30 p.m.

Ready to move past the concepts covered in Code 101 and work with experienced developers who can help guide you through your online learning? Join us for Code 102! You will blast through Khan Academy's JavaScript tutorials and get a better understanding of the programming ecosystem.

#### Code 201: Foundations of Software Development

Daytime Track: 4 Weeks | Nights & Weekends Track: 8 Weeks

If you're ready to take the next course at Code Fellows, apply for Code 201 to get used to writing syntax and pushing code. You will learn the basics of web development through HTML, CSS, Javascript, and the tools and best practices used by software developers around the world.

Go to [www.codefellows.org/course-calendar](http://www.codefellows.org/course-calendar) to see when the next Code 201 is scheduled!

# Admissions FAQ

## Preparing for Your Application

### I loved Code 101 and am ready for more! What are my next steps?

Wonderful! We're so glad you enjoyed Code 101. Here's how you can keep your momentum going:

#### STEP 1: DECIDE WHICH COURSE AND TRACK YOU'D LIKE TO APPLY FOR

You can see upcoming courses on our class calendar at [www.codefellows.org/class-calendar](http://www.codefellows.org/class-calendar). Most students complete our Code 102 workshop (more info on that below) and then apply to Code 201.

We have two "tracks" for courses at Code Fellows. The first is our Daytime Track, which runs Monday through Friday, 9 a.m. to 6 p.m.

The second is our Nights & Weekends Track, which runs Monday through Thursday from 6:30 to 9:30 p.m. and Saturdays from 9 a.m. to 6 p.m.

#### STEP 2: SUBMIT YOUR APPLICATION

To apply for a course or schedule an informational meeting with an Admissions Advisor, please email [admissions@codefellows.com](mailto:admissions@codefellows.com).

Specify the start date and track (Daytime vs. Nights & Weekends) of the course you are interested in. We'll respond within two business days with a link for you to schedule your phone interview.

#### STEP 3: BEGIN THE PREWORK RIGHT AWAY

To prepare for the entrance test (sent to you after the phone interview) for acceptance to Code 201, you will need complete the HTML/CSS Khan Academy Tutorial and the Khan Academy JavaScript Tutorial in advance. Links to these can be found on Code 201's prework page, [github.com/codefellows/code-201-prework](https://github.com/codefellows/code-201-prework). These will take you 20+ hours to complete, so we recommend starting right away. You can start on the prework at any time—even before you start your application!

**Need help with your prework?** Consider signing up for Code 102, a week-long workshop, where you'll finish Khan Academy's JavaScript tutorials and the majority of the Code 201 prework. Experienced developers and peers will be on hand to answer any questions during this workshop.

### What is the application process?

This process is the same whether you are applying to Code 201, 301, or 401.

#### STEP 1: SUBMIT YOUR APPLICATION

Don't apply at the last minute. Courses fill up quickly, especially our 201s. It takes 2-3 weeks to complete the application, phone interview, tutorials, and entrance test, so apply early!

To apply, email [admissions@codefellows.com](mailto:admissions@codefellows.com) and specify the level (201, 301, or 401), start date, and track (daytime vs. nights and weekends) of the course you're applying for.

The deadline to start your application is 2 weeks prior to the start date of the course to allow adequate time for the application process.

## STEP 2: PHONE INTERVIEW

Your phone interview is a 15-30 minute conversation with an Admissions Advisor to discuss your background, coding experience, goals, possible eligibility for tuition assistance, and your questions about the program.

## STEP 3: ENTRANCE TEST

Our entrance tests are online and will be emailed to you via EdRepublic, our testing platform. There is no time limit for completing the test, but the test does record the amount of time it takes you to complete it. Your Admissions Advisor will communicate the expected timeline for completing the entrance test in light of the application deadlines for the course.

As long as you've completed your tutorials thoroughly, you'll have no problem with this entrance test!

## STEP 4: ENROLL

Once we've received confirmation that you passed your entrance test, we'll send the Acceptance Email. At this point, you will need to sign your contract and pay the deposit for the course to officially reserve your seat.

Your spot is not officially reserved until we have received your e-signed contract and your course deposit.

## **What is the application process for moving from 201 to 301 to 401?**

To successfully pass a class and move on to the next, there are three requirements:

1. Passing Score: All students must have a 90% or higher to move on to the next course.
2. Instructor Approval: Your instructor must confirm that you are prepared to move forward to the next class.
3. Entrance Test: You will need to pass a entrance test for your next course. This test (which doubles as the final exam for your current course) will be sent out the Friday of Week 3.

Assuming you have met the above requirements, you'll receive your contract for the next class in the final week of class. You can sign the student contract & pay your deposit for the next class at that time.

## **What scholarship / financing options are available?**

### DIVERSITY SCHOLARSHIPS

Women, U.S. military veterans, and populations underrepresented in technology (African American, Hispanic, and Native American, including Alaskan and Hawaiian) are eligible to apply for scholarships from this fund. Scholarships cover up to 70% of tuition.

The deadline to apply for a scholarship is three weeks prior to the start date of the course, alongside admissions requirements for scholarship applicants (call, prework, entrance test(s)); scholarship award notifications are sent 2 weeks prior to the start of the course.

## **WORKER RETRAINING PROGRAM FUNDING (WA STATE ONLY)**

The program serves the unemployed or those facing imminent layoffs. A survey will help determine if you qualify to receive financial assistance to help with tuition. Admissions will be able to send this survey. The program is administered by the State Board for Community and Technical Colleges. Amounts are for up to 15% of tuition.

## **VETERANS' GI BILL FUNDING**

For the most updated information on using your GI Bill at Code Fellows, please see the online resources below.

Using your GI Bill at Code Fellows: [www.codefellows.org/gi-bill](http://www.codefellows.org/gi-bill)

Apply with the VA to obtain your VA Certificate of Eligibility (CoE): [www.benefits.va.gov/gibill/apply.asp](http://www.benefits.va.gov/gibill/apply.asp)

Complete the VONAPP application on the VA website (<https://www.ebenefits.va.gov/ebenefits/vonapp>) or complete VA FORM 22-1990: <http://www.vba.va.gov/pubs/forms/VBA-22-1990-ARE.pdf>. This needs to be submitted to your Regional VA Office.

We also have a Military Program Manager on campus who can help guide you through the process and help you get the most out of your benefits.

## **THIRD PARTY FINANCING OPTIONS**

For loans towards your tuition, we have partnered with Skills Fund ([codefellows.skills.fund](http://codefellows.skills.fund)) and Climb Credit ([www.climbcredit.com/apply/codefellows](http://www.climbcredit.com/apply/codefellows)) to provide low-interest financing options for our students (subject to approval).

All options can be discussed during your meeting with an Admissions Advisor and applied for once you've been accepted to a course. However, all funding applications and paperwork must be processed before the first day of your course.

## **I have other questions, help!**

Email [admissions@codefellows.com](mailto:admissions@codefellows.com)

Schedule phone call with an Admissions Advisor via [admissions-code-fellows-screen.youcanbook.me](http://admissions-code-fellows-screen.youcanbook.me)

US Military Veterans, see the following link to schedule a call as it contains a few additional questions pertaining to VA Funding: [admissions-code-fellows-screen-va.youcanbook.me](http://admissions-code-fellows-screen-va.youcanbook.me)

More details online at [www.codefellows.org/how-to-apply](http://www.codefellows.org/how-to-apply)