



# Welcome and Installation

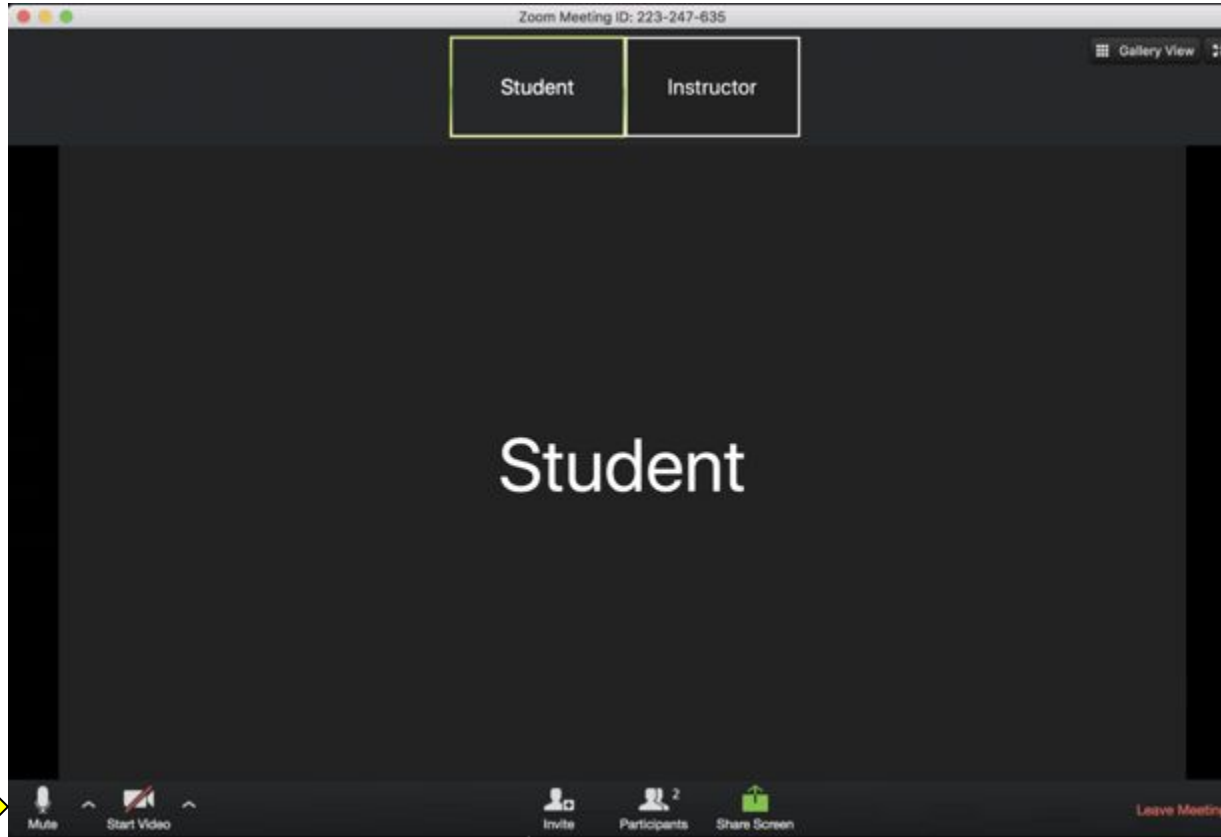
Web Development  
Lesson 1.1



Just a few notes about  
Zoom before we begin

# User Controls are located at the bottom of your Zoom

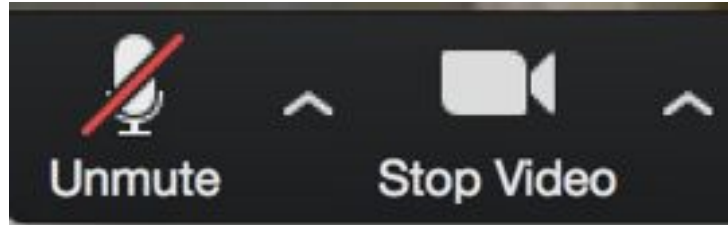
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# Microphone and Camera Settings

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Mute yourself unless you're speaking and leave video on during class so the instructor can see you!

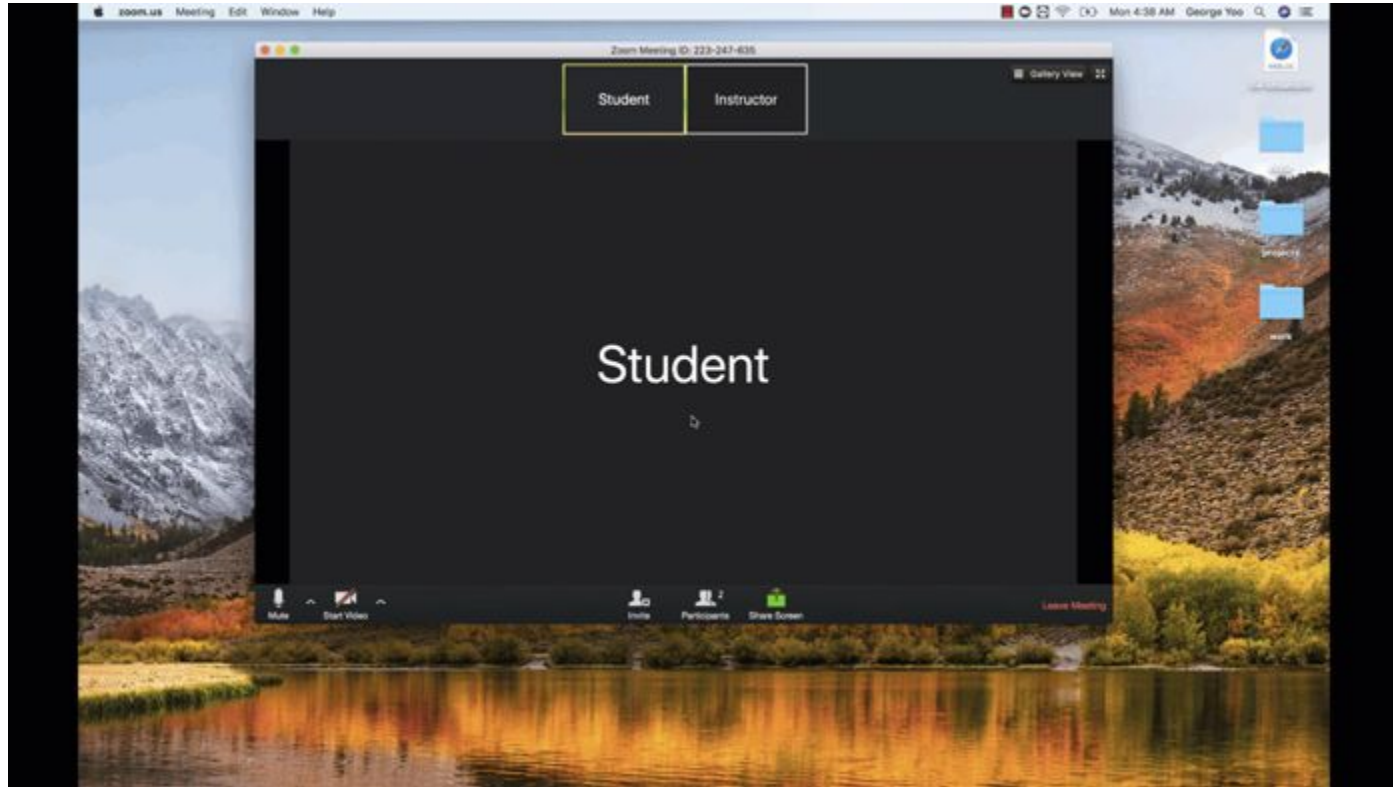


# Participant Window & Raise Hand

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- Click “**Participants**” button to open menu (you’ll see a “**Raise Hand**” button here)
- You can also “**Lower Hand**” after raising in this menu

# Participant Window & Raise Hand





# Let's Begin!



**Office hours and class  
will be hosted on Zoom!**



# Online Class Tools

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01

[Slack.com](https://slack.com)



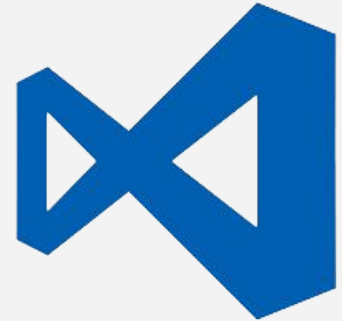
02

[zoom.us](https://zoom.us)



03

[code.visualstudio.com](https://code.visualstudio.com)





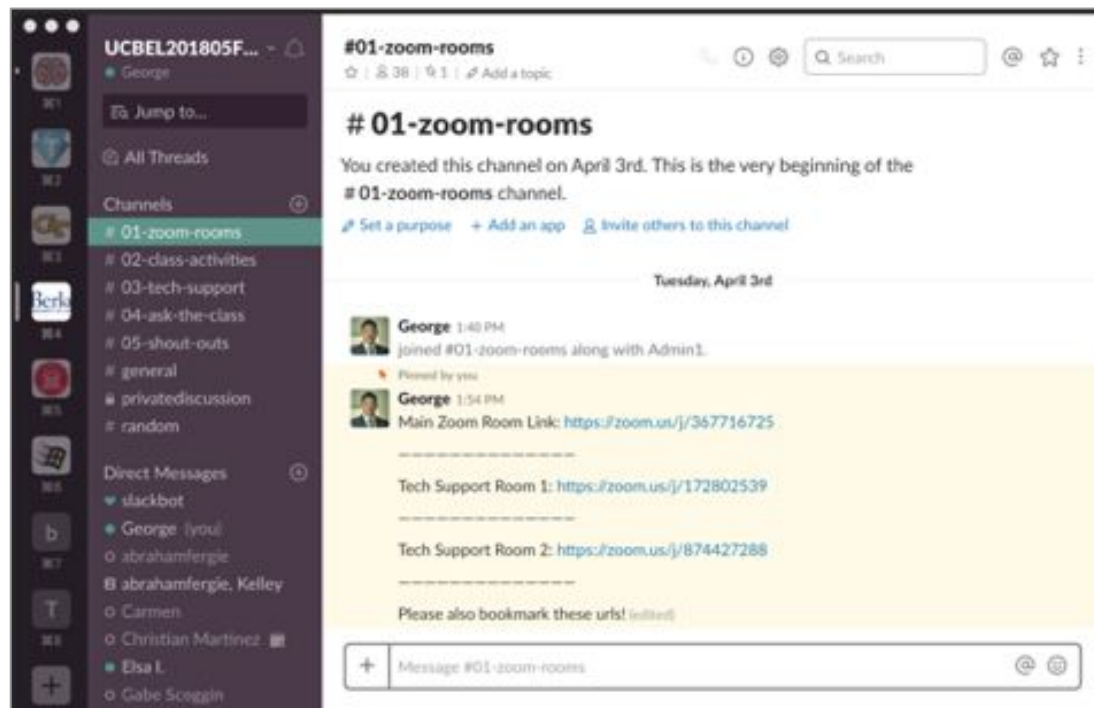


Everyone take a moment to download the Slack Desktop App if you haven't already!

<https://slack.com/downloads/>

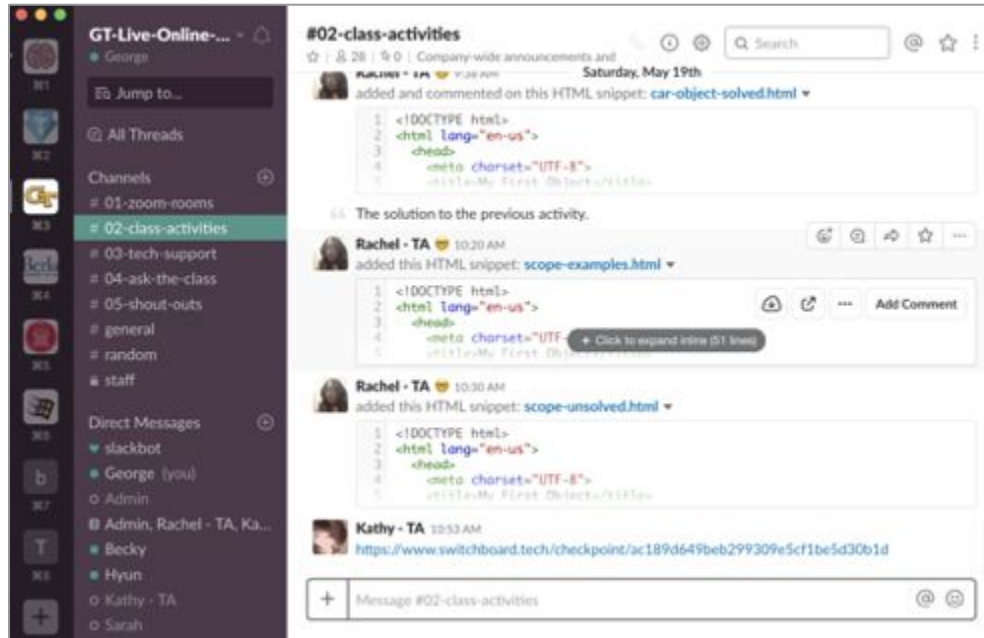
# Slack Channels

## #01-zoom-rooms



# Slack Channels

## #02-class-activities

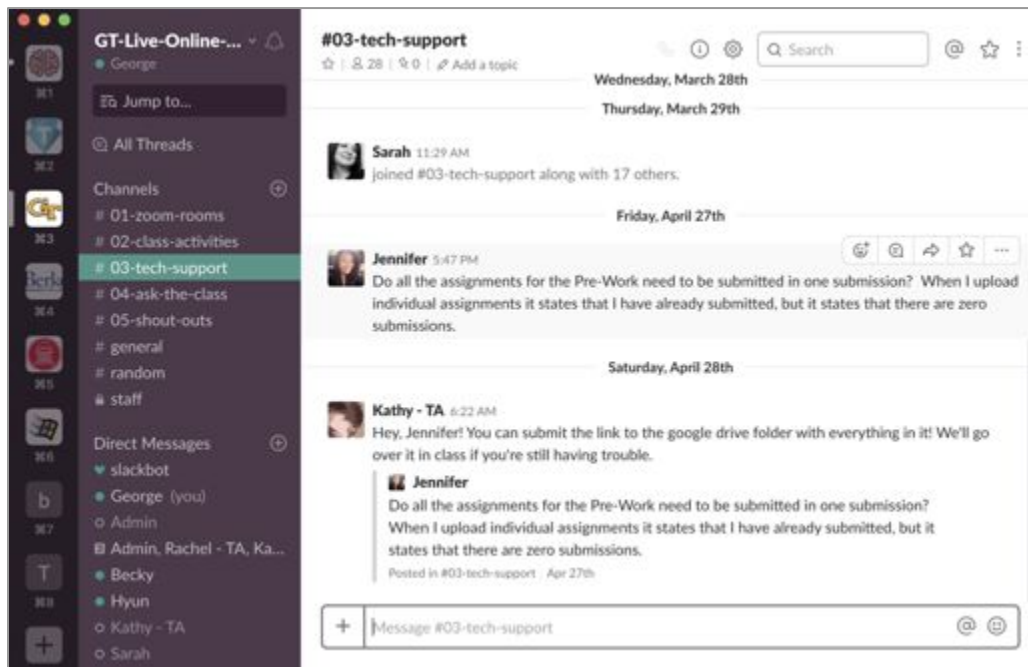




Activity files you'll work on during class  
will be posted in **#02-class-activities**.

# Slack Channels

## #03-tech-support



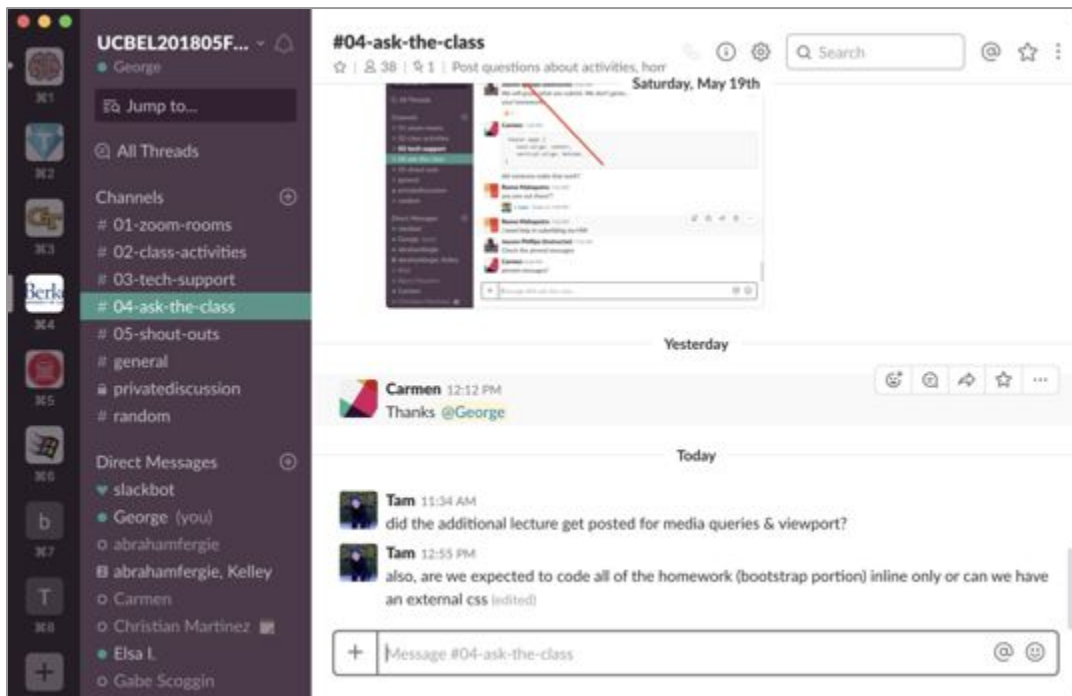


Technical difficulties?  
Post in **#03-tech-support**.  
Your instructional staff &  
classmates can help.



# Slack Channels

## #04-ask-the-class



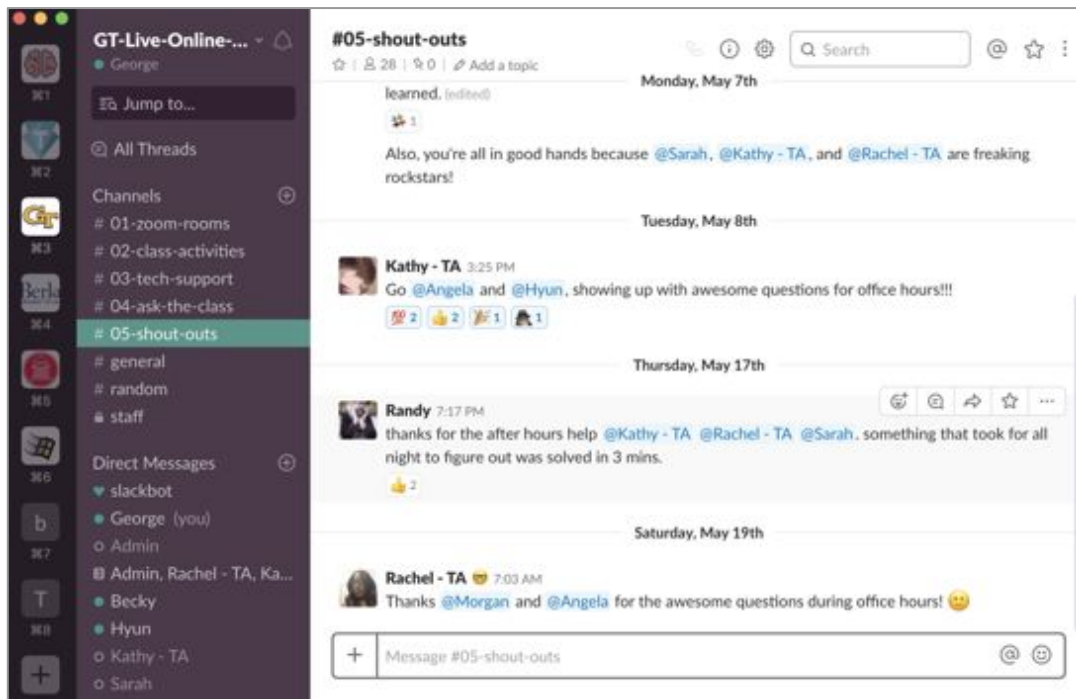


Post questions about activities, homework,  
and projects in **#04-ask-the-class**.

Your instructional staff &  
classmates can help.

# Slack Channels

## #05-shout-outs



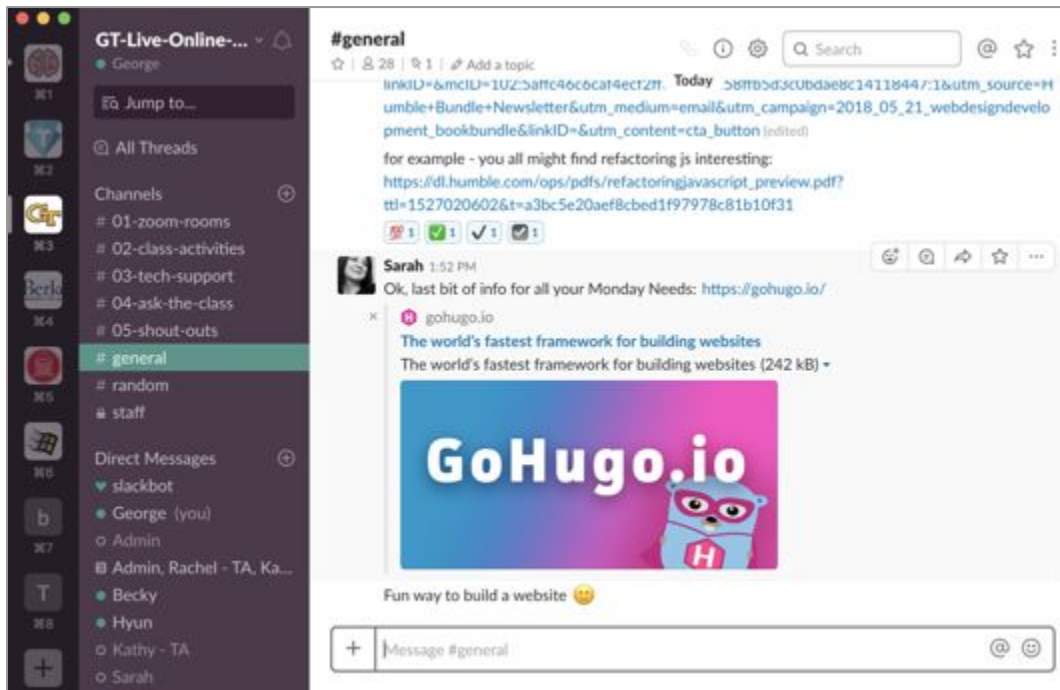


Does someone deserve  
a virtual high five?

Post it in **#05-shout-outs**  
so we can celebrate each other.

# Slack Channels

## #general

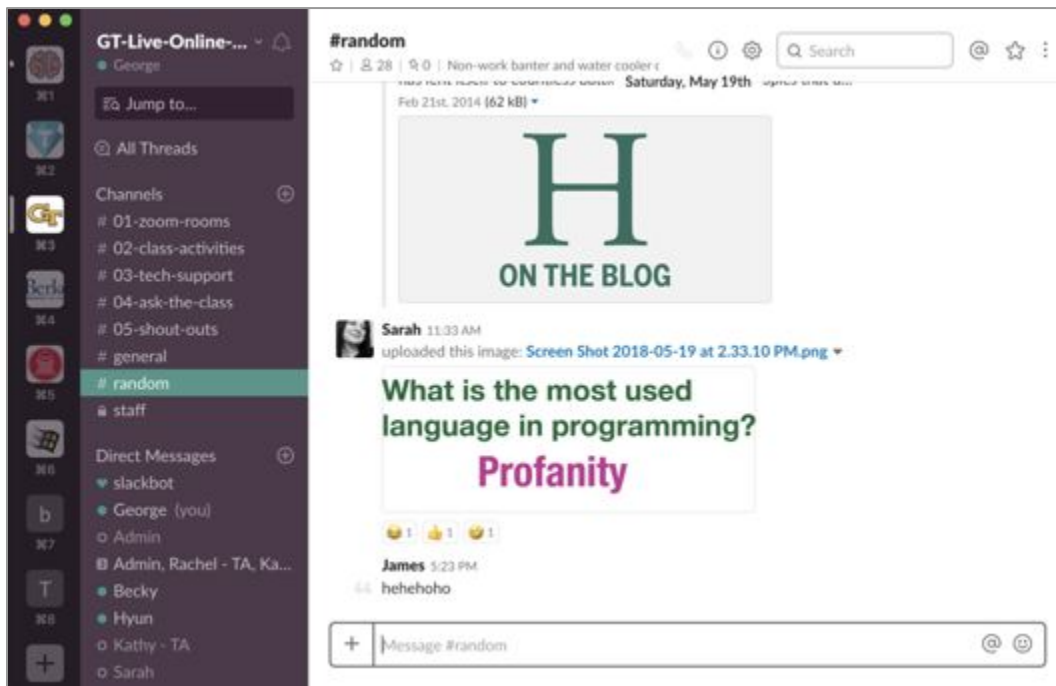




General class announcements  
are posted in **#general**.

# Slack Channels

## #random





**#random**...Just like it sounds...





**@donut** will randomly pair everyone in **#random** every 2 weeks to encourage meeting classmates. Use this to find coding buddies, study groups, and expand your network!



Add your real name and picture to Slack.  
It will help everyone start memorizing  
each other's names and faces!





Sign up for a personal Zoom  
account at [Zoom.us](https://zoom.us)



You can use your personal ID to meet with classmates outside of class hours (40 minutes maximum per session)



Make sure you're logged into  
your new Zoom account!  
Next, click "**Zoom -> Preferences**"

# Zoom Client Settings

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## Video tab:

✓ Check *"Always display participants name on their video"*

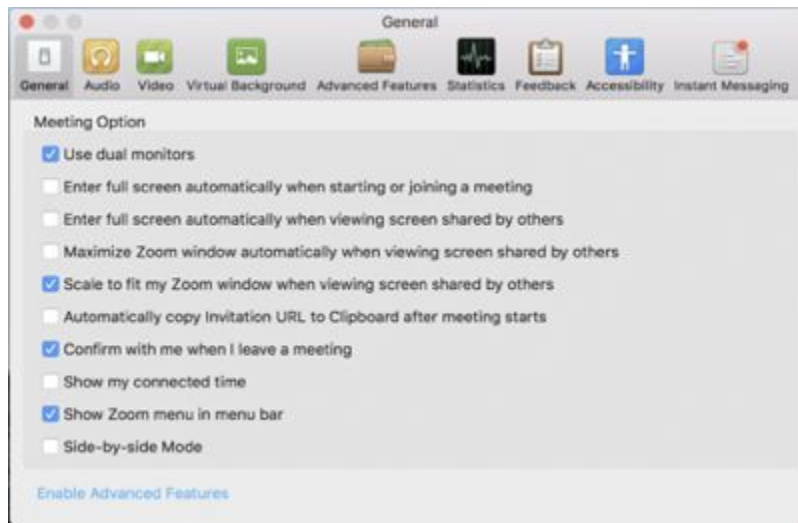


# Zoom Client Settings

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## General:

- ✓ Check *"Use Dual Monitors"* and
- Uncheck *"Full screen auto upon entering meeting"*

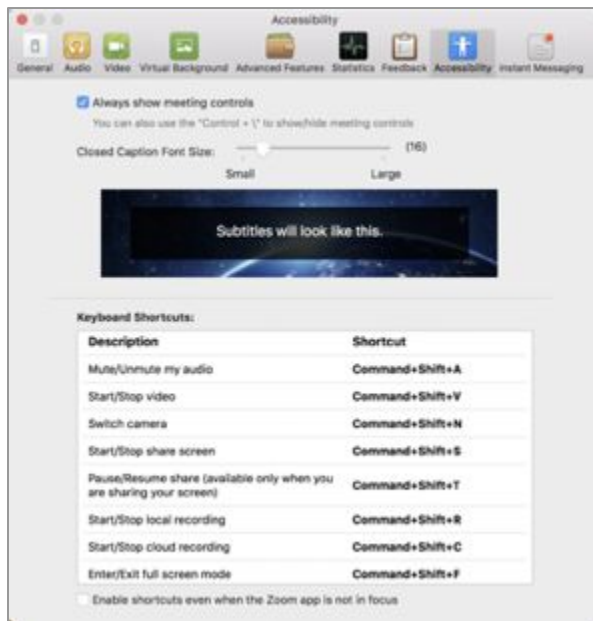




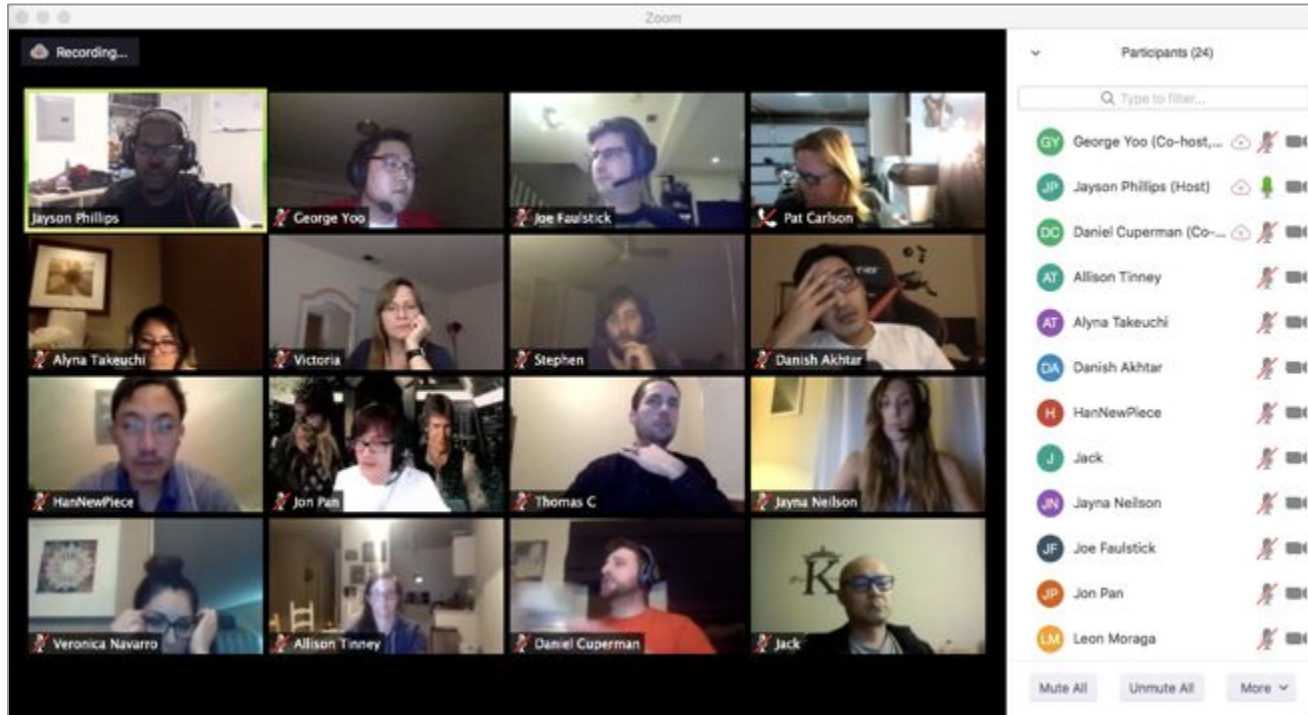
# Zoom Client Settings

## Accessibility:

✓ Check “Always show meeting controls”



# Use Gallery View to see all your classmates!





## **Activity:**

Switch between “Speaker View”  
and “Gallery View” on Zoom!

**Suggested Time:**  
2 minutes



## Instructor shares screen during lecture

Sublime Text File Edit View Goto Tools Project Window Help

You are viewing Ahmed Haque's screen

View Options

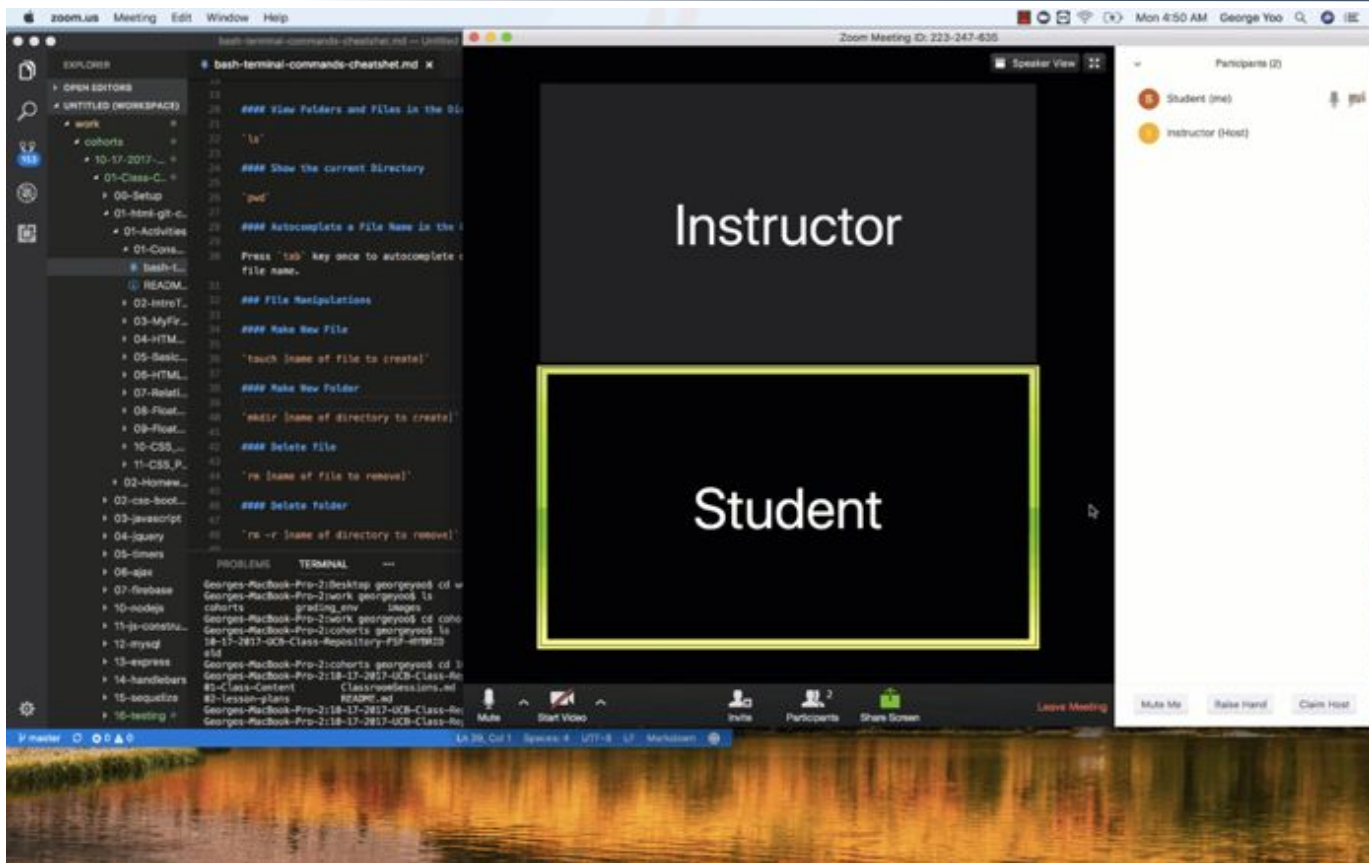
Calculator.html

```
1<!DOCTYPE html>
2<html lang="en">
3<head>
4  <meta charset="UTF-8">
5  <title>jQuery Calculator</title>
6
7  <!-- Added link to the jQuery library -->
8  <script src="https://code.jquery.com/jquery-3.5.1/jquery.min.js"></script>
9
10 <!-- Added a link to Bootstrap -->
11 <link href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css" rel="stylesheet">
12 <link href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js" rel="stylesheet">
13
14</head>
15<body>
16
17  <!-- Container for Page -->
18  <div class="container">
19    <div class="text-center">
20      <h1>jQuery Calculator</h1>
21      <h2 class="text-center">Perform basic arithmetic operations using the power of jQuery</h2>
22    </div>
23
24    <div class="container">
25      <div class="row">
26
27        <!-- Calculator Panel -->
28        <div class="col-lg-4">
29          <div class="panel panel-default">
30            <div class="panel-heading">
31              <h3 class="panel-title">Calculator</h3>
32            </div>
33
34            <div class="panel-body">
35              <div class="row">
36                <div class="col-sm-6">
37                  <input type="text" value="1" class="form-control">
38                </div>
39                <div class="col-sm-6">
40                  <input type="text" value="2" class="form-control">
41                </div>
42                <div class="col-sm-6">
43                  <input type="text" value="3" class="form-control">
44                </div>
45                <div class="col-sm-6">
46                  <input type="text" value="4" class="form-control">
47                </div>
48                <div class="col-sm-6">
49                  <input type="text" value="5" class="form-control">
50                </div>
51                <div class="col-sm-6">
52                  <input type="text" value="6" class="form-control">
53                </div>
54                <div class="col-sm-6">
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71                </div>
72                <div class="col-sm-6">
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74                </div>
75                <div class="col-sm-6">
76                  <input type="text" value="4" class="form-control">
77                </div>
78                <div class="col-sm-6">
79                  <input type="text" value="5" class="form-control">
80                </div>
81                <div class="col-sm-6">
82                  <input type="text" value="6" class="form-control">
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84                <div class="col-sm-6">
85                  <input type="text" value="7" class="form-control">
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87                <div class="col-sm-6">
88                  <input type="text" value="8" class="form-control">
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90                <div class="col-sm-6">
91                  <input type="text" value="9" class="form-control">
92                </div>
93                <div class="col-sm-6">
94                  <input type="text" value="0" class="form-control">
95                </div>
96                <div class="col-sm-6">
97                  <input type="text" value="1" class="form-control">
98                </div>
99                <div class="col-sm-6">
100                 <input type="text" value="2" class="form-control">
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135               <div class="col-sm-6">
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144               <div class="col-sm-6">
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148                 <input type="text" value="8" class="form-control">
149               </div>
150               <div class="col-sm-6">
151                 <input type="text" value="9" class="form-control">
152               </div>
153               <div class="col-sm-6">
154                 <input type="text" value="0" class="form-control">
155               </div>
156               <div class="col-sm-6">
157                 <input type="text" value="1" class="form-control">
158               </div>
159               <div class="col-sm-6">
160                 <input type="text" value="2" class="form-control">
161               </div>
162               <div class="col-sm-6">
163                 <input type="text" value="3" class="form-control">
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165               <div class="col-sm-6">
166                 <input type="text" value="4" class="form-control">
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175                 <input type="text" value="7" class="form-control">
176               </div>
177               <div class="col-sm-6">
178                 <input type="text" value="8" class="form-control">
179               </div>
180               <div class="col-sm-6">
181                 <input type="text" value="9" class="form-control">
182               </div>
183               <div class="col-sm-6">
184                 <input type="text" value="0" class="form-control">
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200               </div>
201               <div class="col-sm-6">
202                 <input type="text" value="6" class="form-control">
203               </div>
204               <div class="col-sm-6">
205                 <input type="text" value="7" class="form-control">
206               </div>
207               <div class="col-sm-6">
208                 <input type="text" value="8" class="form-control">
209               </div>
210               <div class="col-sm-6">
211                 <input type="text" value="9" class="form-control">
212               </div>
213               <div class="col-sm-6">
214                 <input type="text" value="0" class="form-control">
215               </div>
216               <div class="col-sm-6">
217                 <input type="text" value="1" class="form-control">
218               </div>
219               <div class="col-sm-6">
220                 <input type="text" value="2" class="form-control">
221               </div>
222               <div class="col-sm-6">
223                 <input type="text" value="3" class="form-control">
224               </div>
225               <div class="col-sm-6">
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231               <div class="col-sm-6">
232                 <input type="text" value="6" class="form-control">
233               </div>
234               <div class="col-sm-6">
235                 <input type="text" value="7" class="form-control">
236               </div>
237               <div class="col-sm-6">
238                 <input type="text" value="8" class="form-control">
239               </div&gt
```



Move the Participants tab to your other monitor to avoid covering the shared screen!

# Students can share while asking/answering questions





## **Activity:**

Share your screen with the class!

**Suggested Time:**  
2 minutes

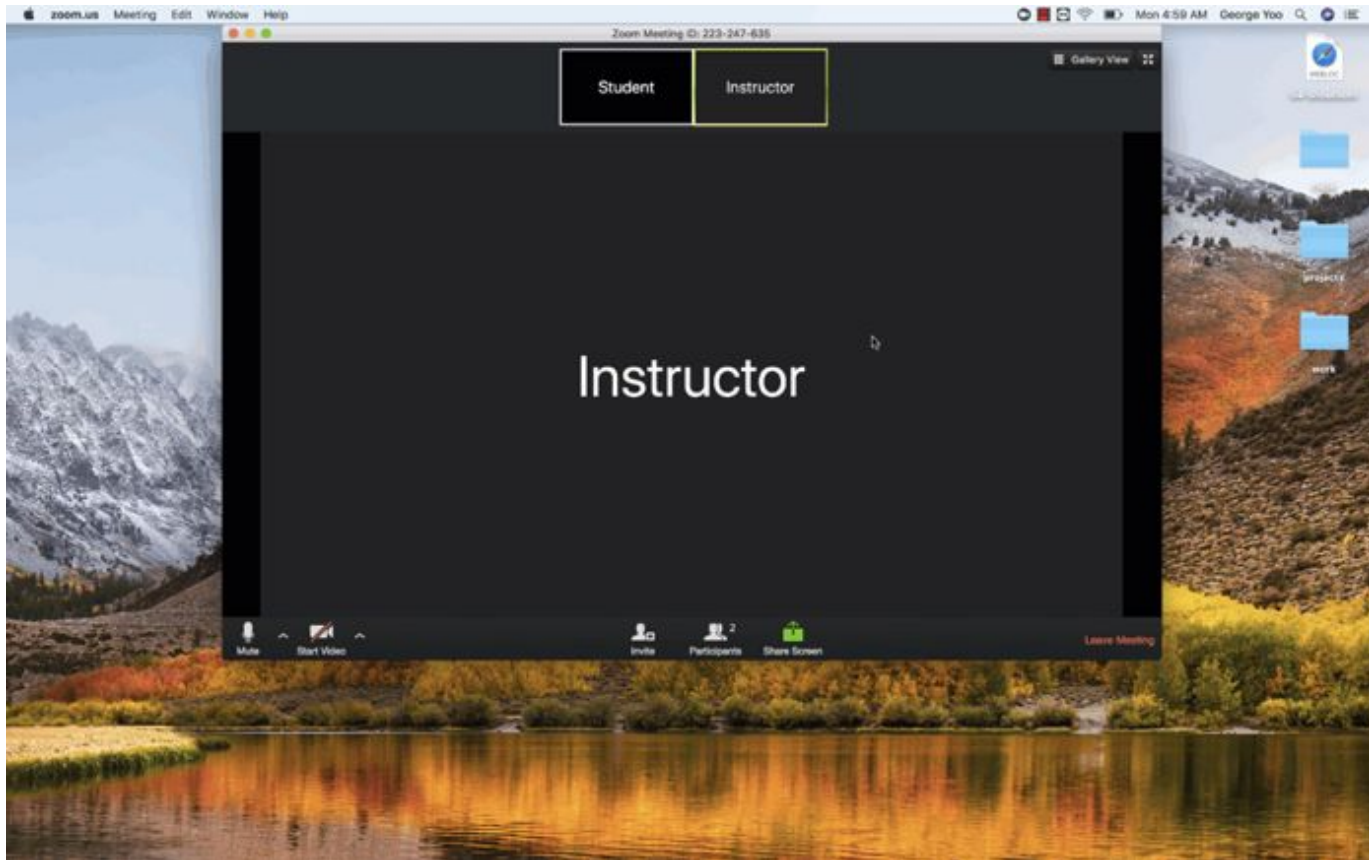




For group activities, you will receive a prompt to move into your breakout room.



# Moving to group Zoom room for activities





## **Activity:**

Join your breakout rooms  
when the prompt shows up!

Say “Hi” to your group mates and I’ll bring  
everyone back!

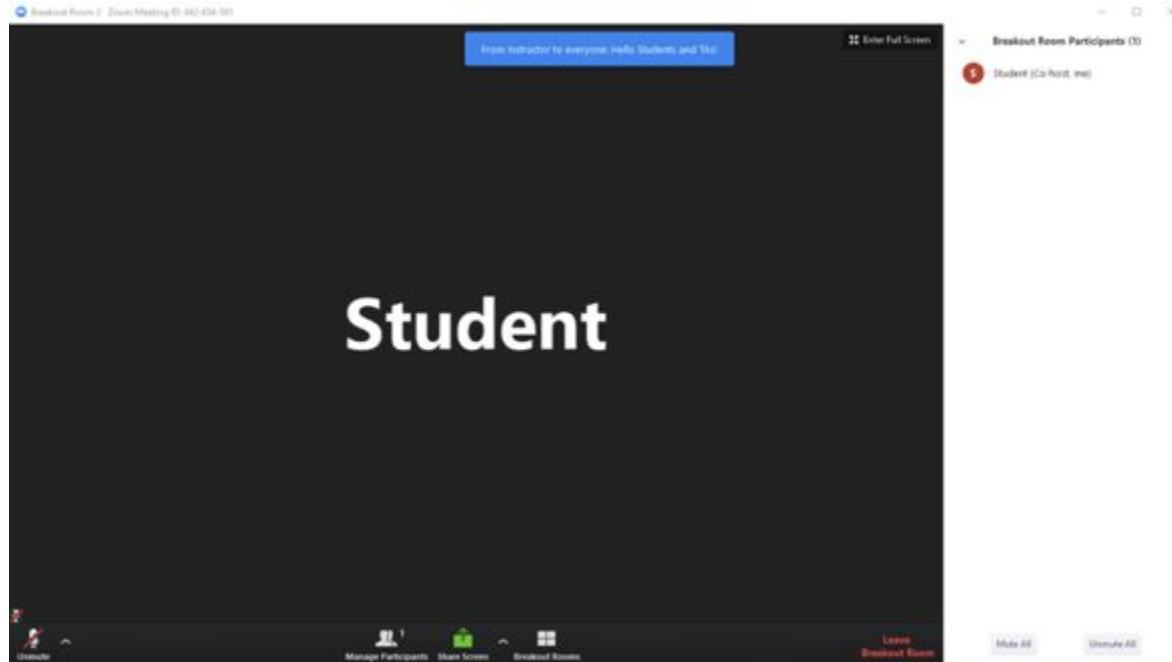
**Suggested Time:**  
2 minutes



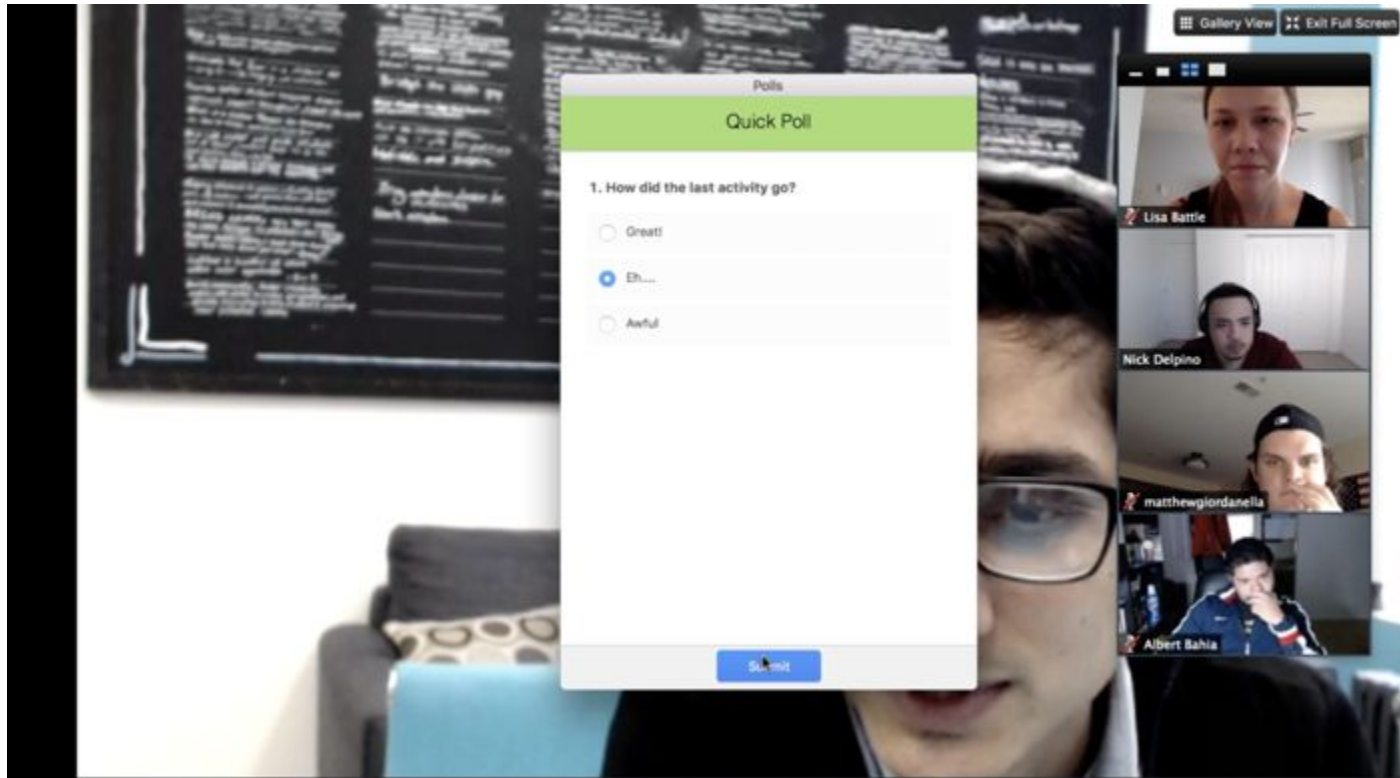
# Broadcast Messages

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Be on the lookout for Broadcast Messages from the instructor while in breakout rooms!



# Anonymous Polls



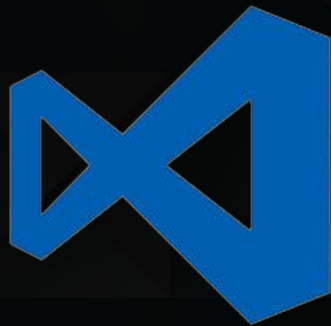


## **Activity:**

Take this poll to see how we're doing so far!

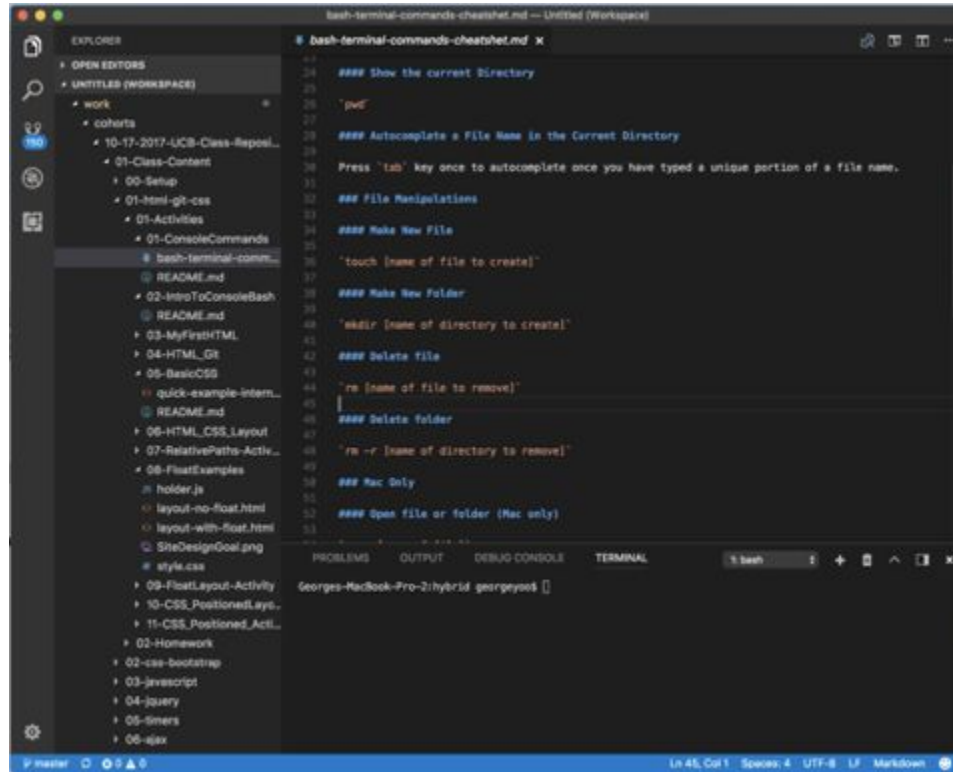
**Suggested Time:**  
2 minutes





Visual Studio Code

# Visual Studio Code is an editor for our code





Visual Studio Code should  
be installed on your computer  
[code.visualstudio.com](https://code.visualstudio.com)



# Daily Checklist

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Before every class:

01

Open Slack

02

Open Zoom Main Room

03

Open Bootcampspot, mark attendance

04

Open Visual Studio Code, get ready to learn!

# Setting up Your Screens

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01

## Screen 1 (Projector)

Zoom

02

## Screen 2 (Workspace)

Slack


VS Code

Bootcampspot

# Take a Break!

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# **Async Video Guides**

**Navigate class recordings with a guide!**

**Available in your class repo**

# Live Online Web

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## Unit 1.2 Async Classroom Guide

---

### BEFORE YOU START:

- Open the video link for today's class: <https://youtu.be/MHKAZXDOBac>
- Be ready with your activity files form class. You will need them to complete the day's activities.
- Review the day's objectives:
  - Understand the importance of Git Version Control and how to use it
  - Create GitHub repositories, push code into them, and share with the class
  - Make more HTML documents
  - Learn to properly use basic HTML tags
  - Implement basic CSS styling into HTML documents
- Be sure to write down any lingering questions that you'll want to take to office-hours.

### 00:06 to 01:14 - Class Introduction

Get ready. Do you have your activity files open? Your editor? How about a cup of water? Self care is important.

The next section covers a series of admin items. Don't skip it! While the video you will watch is based on a previous class, be mindful that many of these considerations might apply to your own class. Give it a watch, and take note of any follow-ups you might want to bring to office-hours.

# **Catch-Up Sessions**

**Held 6 times throughout the bootcamp  
2-hour Zoom sessions led by TAs**



# **Student Collaboration Pair-Programming Guidance**

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# Collaborating with your Fellow Coders!

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One of the biggest advantages of being in a classroom setting is the network of fellow developers you build. You are in a safe space to make mistakes, learn how to talk through your code, talk through your thought processes out loud, and practice what it's like to explain your code and work through problems with a team before you're in an interview or in the workplace!

Additionally, your fellow coders will also become hiring managers and employees of companies looking for more developers in the future. Now is the perfect time to get to know each other!

## What is Pair Programming?

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Pair programming is a technique often used in [agile development](#) where 2 coders work together on a single computer. There is a **Driver** and a **Navigator**.

Why do this? Because two heads are better than one! By pairing with a fellow coder, you are able to focus your attention on one piece of the puzzle. Both the Driver and Navigator are crucial! Together, both coders will learn from each other and complete a better overall project.



# Pre-work



# Questions?