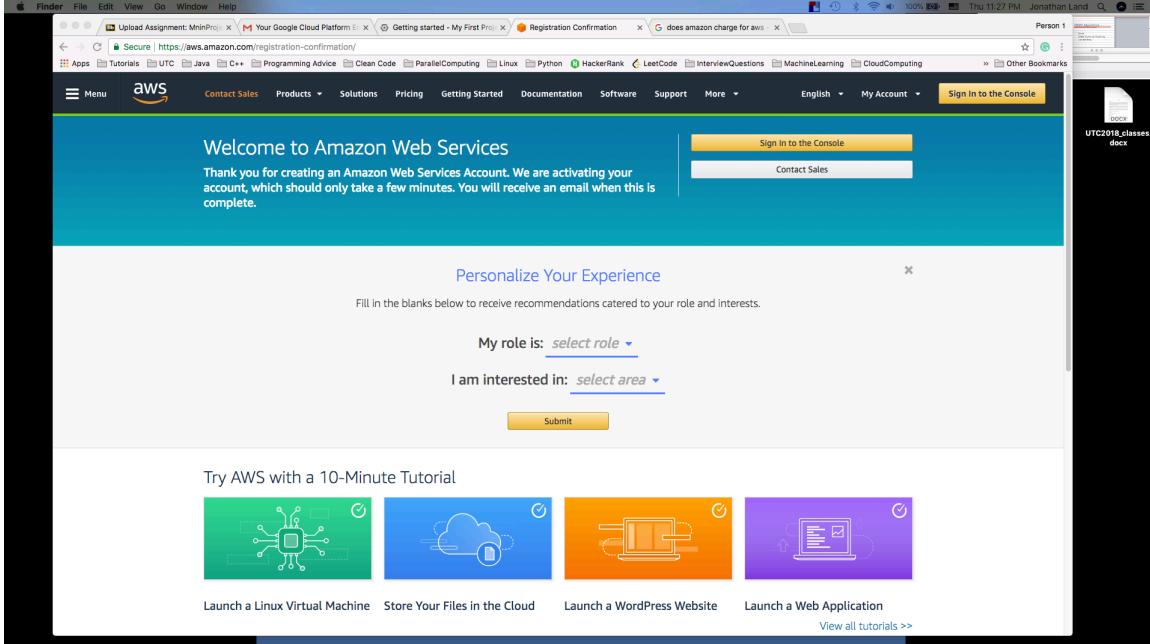


MP2: AWS Home Page (Screencast link and Step-Step Instructions)

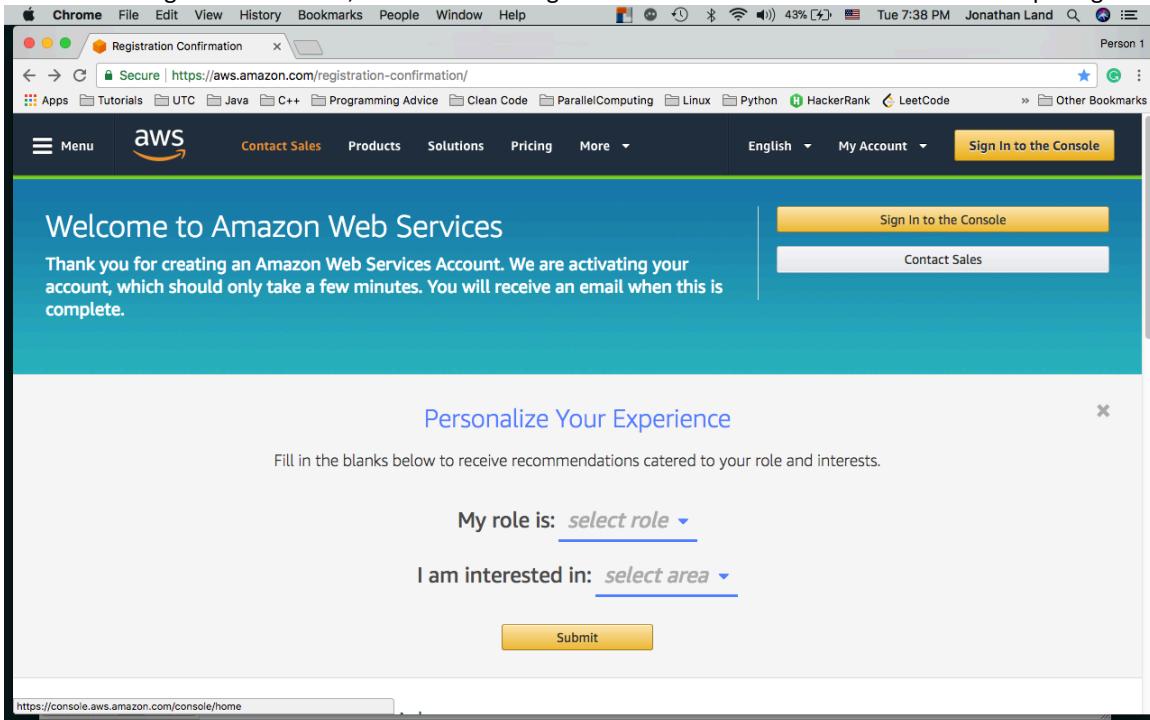
Team members: Jonathan, Wes, Taylor,

Step-by-step instructions for hosting a webpage on AWS (S3)

1. Go to the AWS URL and create an account: <https://aws.amazon.com/registration-confirmation/>



2. After creating an account, click on "Sign in to the Console" in the top right corner.



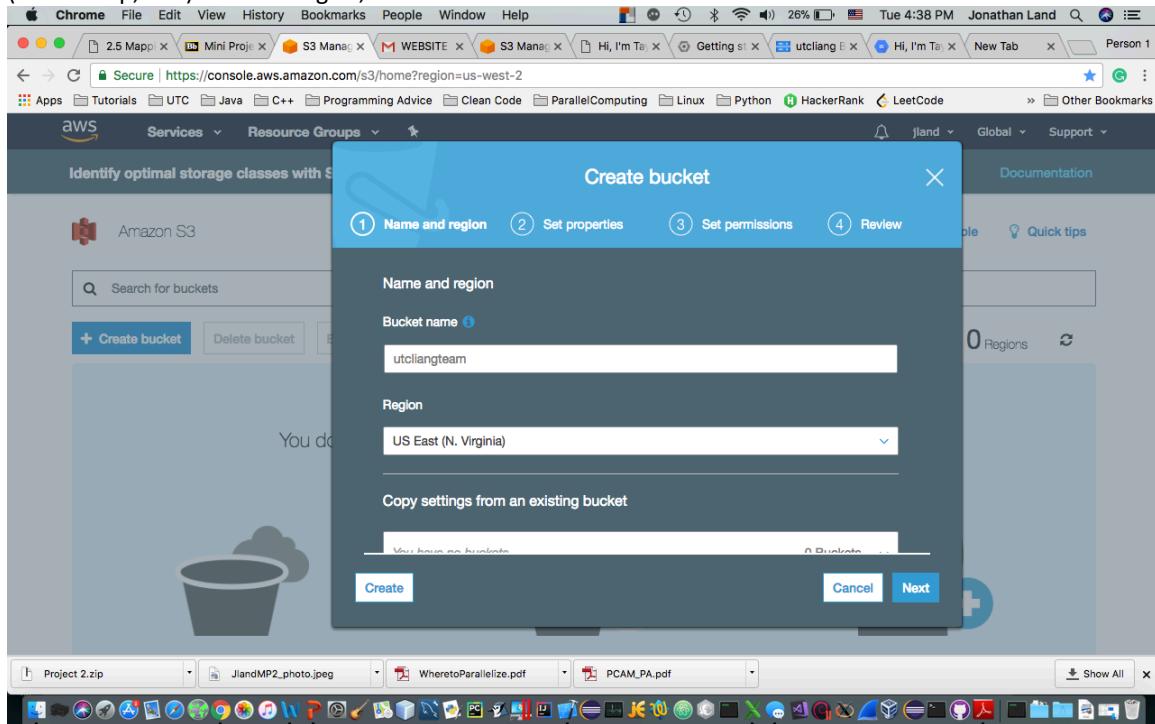
3. Now click on "S3" (this is located within the "AWS Services" box)

The screenshot shows the AWS Management Console homepage. At the top, there's a search bar with placeholder text "Find a service by name or feature (for example, EC2, S3 or VM, storage)." Below it, a section titled "AWS services" lists "Recently visited services" with icons for S3 and EC2, and a link to "All services". To the right, a "Helpful tips" sidebar includes links to "Manage your costs" (with a cost monitor icon) and "Create an organization" (with a group icon). A large central box titled "Build a solution" contains six quick-start wizards: "Launch a virtual machine" (With EC2 or Lightsail, ~1-2 minutes), "Build a web app" (With Elastic Beanstalk, ~6 minutes), "Host a static website" (With S3, CloudFront, Route 53, ~5 minutes), "Connect an IoT device" (With AWS IoT, ~5 minutes), "Start a development project" (With CodeStar, ~5 minutes), and "Register a domain" (With Route 53, ~3 minutes). At the bottom, there's a "See more" link and a "See all" link.

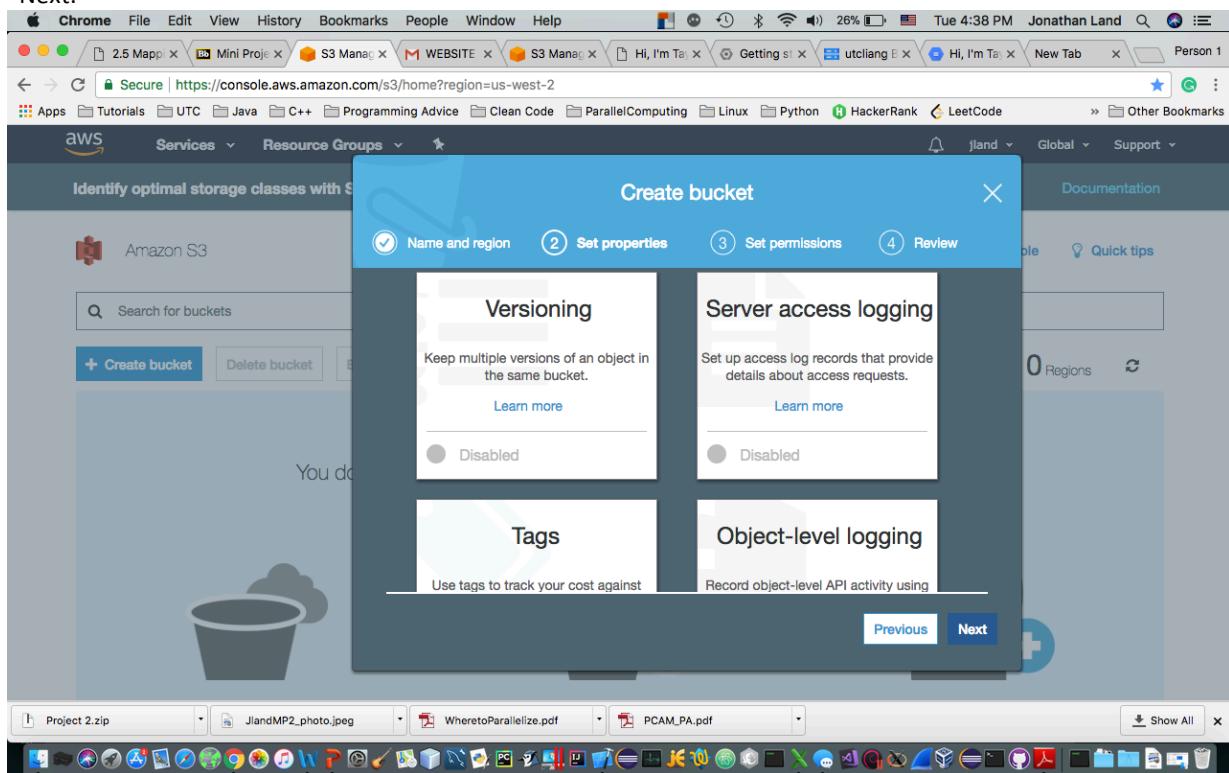
4. Now click on “Create Bucket” highlighted in blue (Note: the following screenshot already has a bucket listing, but your screen will not have a bucket listing yet, so this is fine).

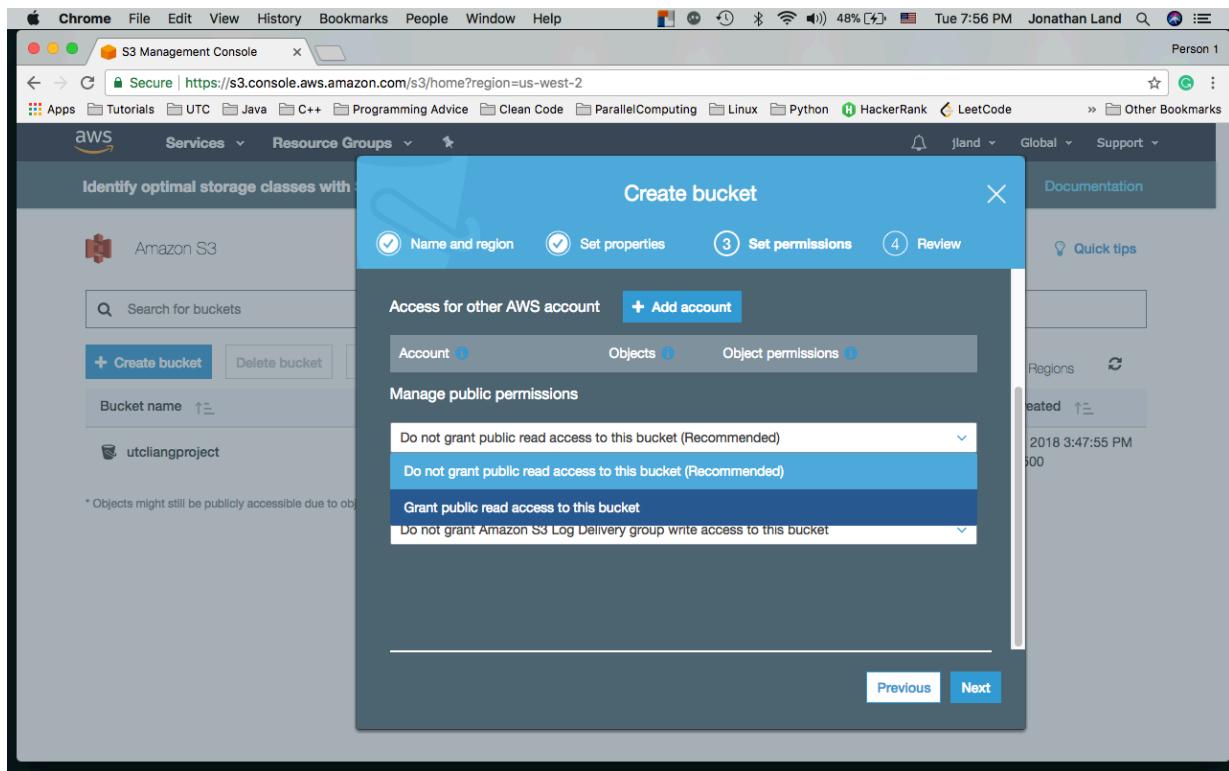
The screenshot shows the S3 Management Console. The top navigation bar includes "Services" and "Resource Groups". A banner at the top reads "Identify optimal storage classes with S3 Analytics - Storage Class Analysis. Learn More ». Documentation". The main area is titled "Amazon S3" and features a search bar "Search for buckets". Below the search bar are three buttons: "+ Create bucket", "Delete bucket", and "Empty bucket". A summary row shows "1 Buckets" (with one Public bucket), "1 Regions", and a "Discover the new console" link. The main table lists a single bucket: "utcliangproject" (Access: Public, Region: US East (N. Virginia), Date created: Feb 13, 2018 3:47:55 PM GMT-0500). A note at the bottom states: "* Objects might still be publicly accessible due to object ACLs. Learn more".

5. You will see a pop-up screen with the following information. Fill out the bucket name you wish to call your project, and then click on “Region” to select a location from the drop down menu where you want to be located (timestamp, etc.). After doing so, click “Next.”

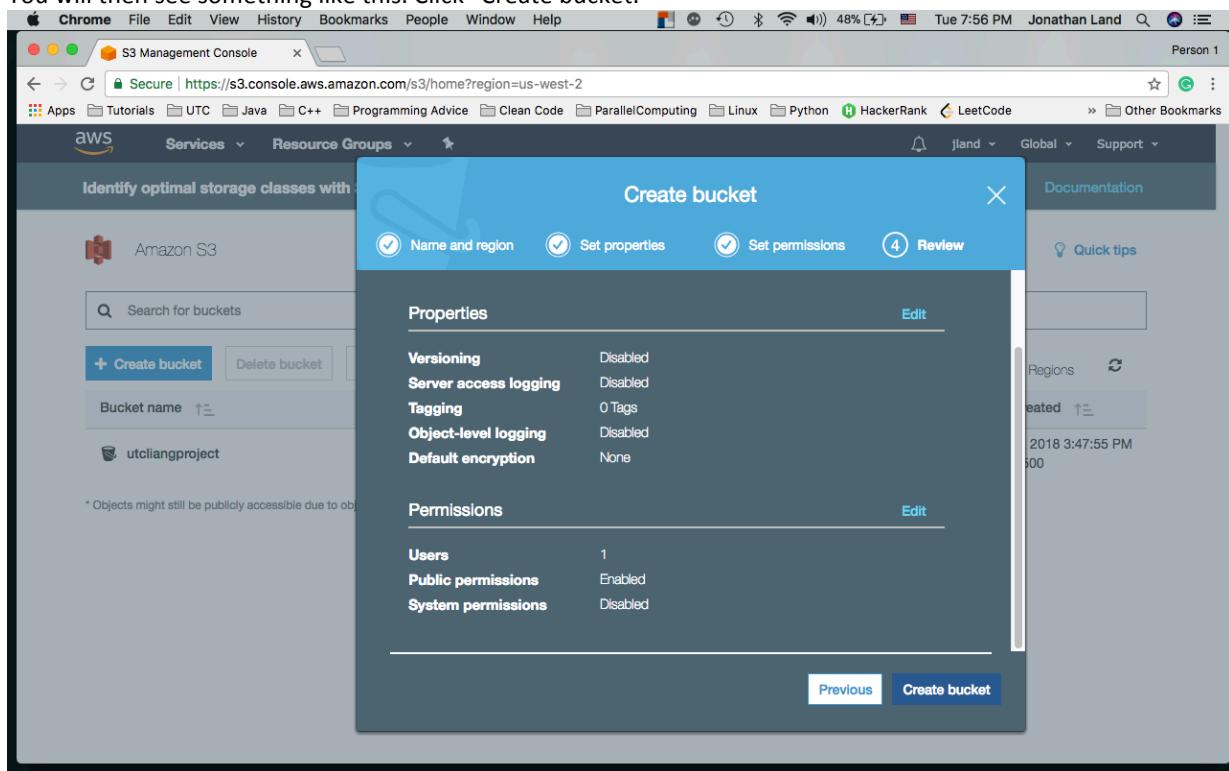


6. Click “Next” again to get to “Permissions.” When you get to “Permissions”, you can choose whether or not to set the bucket as public or private. For this demo, we will use public. After choosing which one you want, click “Next.”





7. You will then see something like this. Click "Create bucket."



8. After creating your bucket, you will see your bucket name on the screen. Click on your bucket name. At this point, you are going to want to upload your files (html, css, js, etc.) to AWS so that the webpage can be loaded. As you can see in the following example, there are files already in this bucket. Yours will be empty, of course, so you will want to click “Upload” to retrieve the files from your OS. If you choose *not* to click on “Upload,” S3 makes it really simple, because all you have to do is drag the files from your computer right into the middle of the screen, like the following screenshot demonstrates (note: the other way is listed below also). Be sure to drag everything you need into AWS bucket or it to link all of your code. Additionally, you may need to set your individual files to “public” also to make them visible (open the file and the option is on the right side of the screen).

Example of bucket name listing after clicking create

The screenshot shows the AWS S3 Management Console interface. At the top, there's a navigation bar with links for Chrome, File, Edit, View, History, Bookmarks, People, Window, Help, and various AWS services like Tutorials, UTC, Java, C++, Programming Advice, Clean Code, Parallel Computing, Linux, Python, HackerRank, and LeetCode. Below the navigation bar, the main content area has a header "Identify optimal storage classes with S3 Analytics - Storage Class Analysis. Learn More »" and a "Documentation" link. The main title is "Amazon S3". There's a search bar labeled "Search for buckets". Below the search bar are three buttons: "+ Create bucket", "Delete bucket", and "Empty bucket". A summary row shows "1 Buckets" (with "1 Public" highlighted), "1 Regions", and "1 Date created". The main list displays one bucket: "utcliangproject". The bucket details show "Public" access, "US East (N. Virginia)" region, and "Feb 13, 2018 3:47:55 PM GMT-0500" creation date. A note at the bottom states: "* Objects might still be publicly accessible due to object ACLs. Learn more".

Example of drag and drop upload after clicking on bucket name

The screenshot shows a Mac desktop environment. In the center, a file browser window titled "Project 2" is open, showing a file structure with folders like "css", "fonts", "img", "js", "less", "scss", and files like "index.html", "jon.html", "taylor.html", and "wes.html". The sidebar includes sections for Favorites (AeroDrop, iCloud Drive, Applications), Downloads, Recents, Documents, and Desktop. The status bar at the bottom shows "Operations: 0 in progress, 2 Success, 0 Error". Above the file browser, there are several browser tabs for different AWS S3 buckets: "utcliangproject", "Project 2", "Project 2 (1).zip", "Project 2 (2)", "Project 2 (3)", "Project 2 (4)", and "Project 2 (5)". The Mac dock at the bottom contains icons for various applications like Finder, Mail, Safari, and others.

The screenshot shows the AWS S3 console interface. At the top, there are tabs for Overview, Properties, Permissions (which is selected), and Management. A search bar at the top right contains the word "bucket". Below the tabs, there is a search input field with placeholder text "Type a prefix and press Enter to search. Press ESC to clear." Underneath are buttons for Upload, Create folder, and More. To the right, it shows the region as "US East (N. Virginia)" and the status "Viewing 1 to 10". The main area displays a list of files and folders in the "variables" directory. The "img" folder is currently selected. The list includes:

- css
- fonts
- img
- js
- less
- favicon.ico

At the bottom, a modal window titled "Upload" is open, showing "60.56% Successful" and "Uploading file: variables.less". It has four steps: Select files, Set permissions, Set properties, and Review. Step 1 is completed with a checkmark. Step 2 is partially completed. Step 3 and 4 are not yet reached.

Example of the other upload option (Click “Upload” and then choose files)

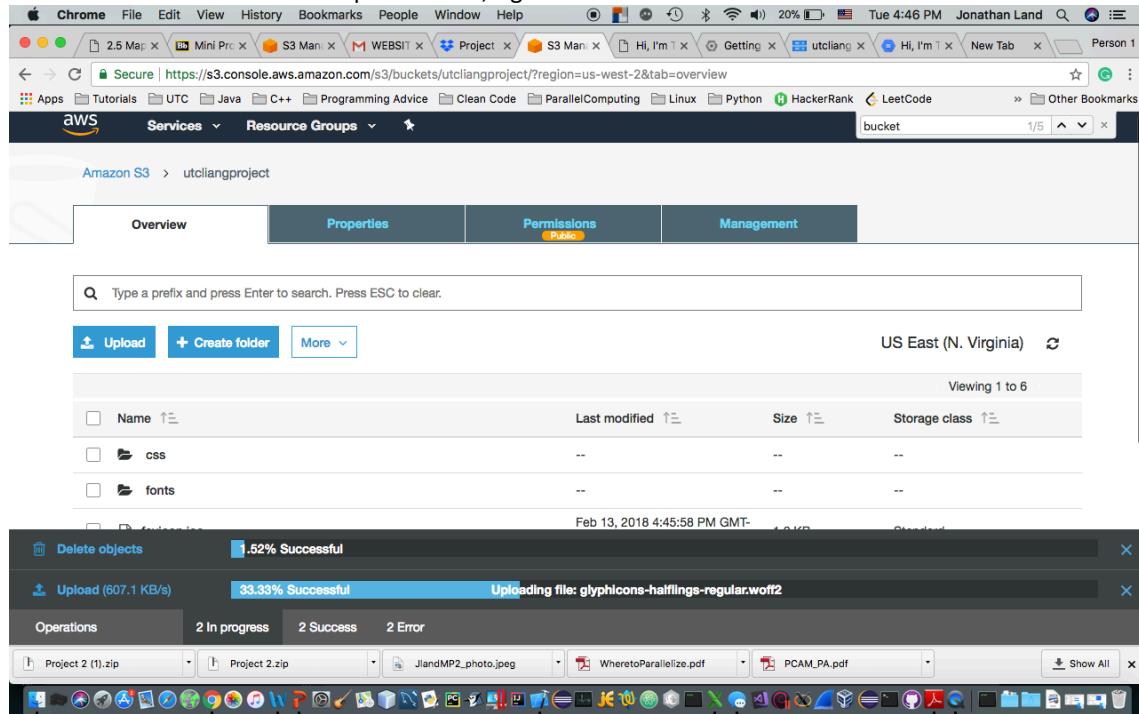
This screenshot shows the AWS S3 console with the "Upload" wizard dialog open over the main file list. The dialog has four steps: Select files, Set permissions, Set properties, and Review. Step 1 is selected and completed. Step 2 is partially completed. Step 3 and 4 are not yet reached. The "Select files" step shows "4 Files" and "Size: 26.8 KB" being uploaded to the target path "utcliangproject".

The main file list on the left shows the contents of the "variables" directory:

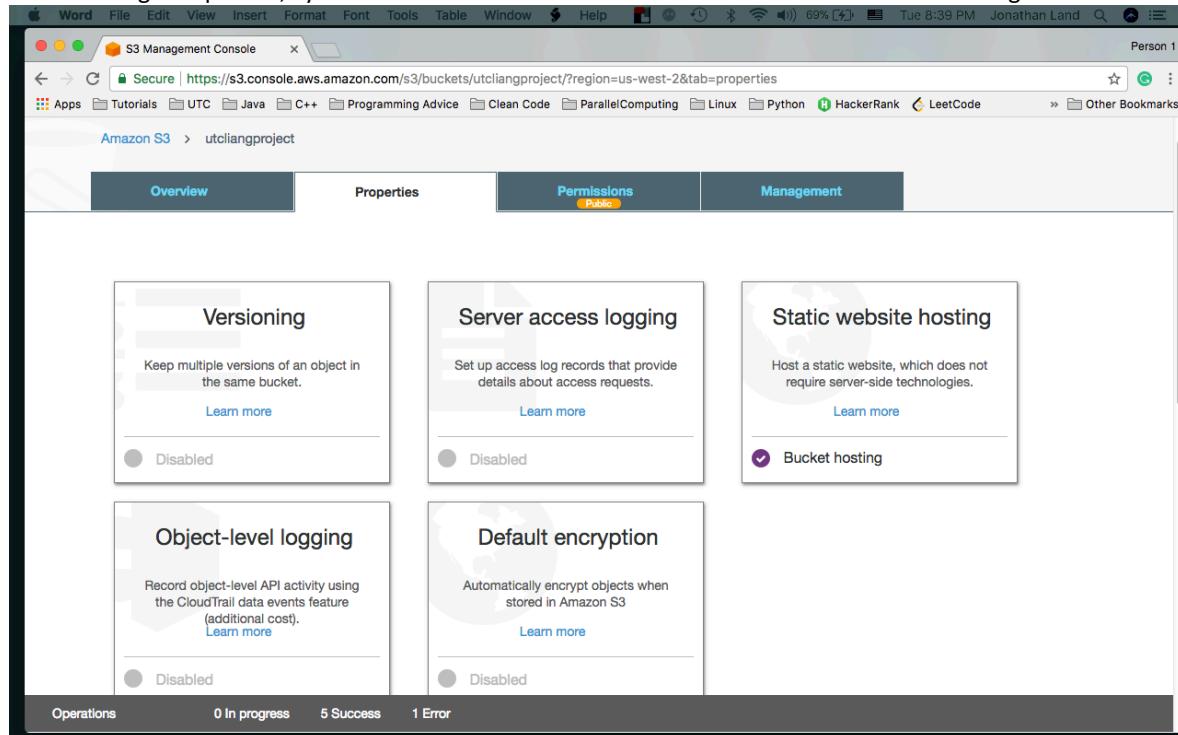
- css
- fonts
- img
- js
- less
- scss
- favicon.ico

The status bar at the bottom indicates "0 In progress", "2 Success", and "0 Error". The system tray at the very bottom shows various application icons.

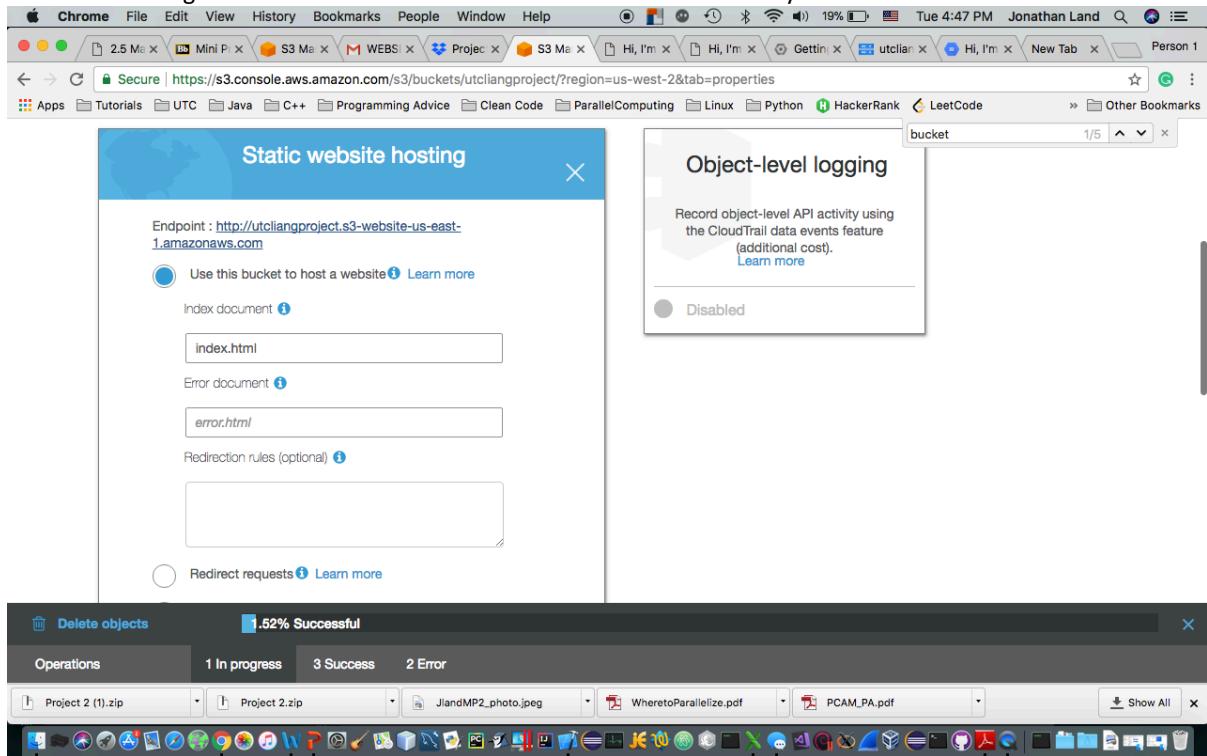
9. With your files in the proper location in your bucket, you are ready to load your webpage. Scroll up to the top of the screen and click on the “Properties” tab, right next to “Overview.”



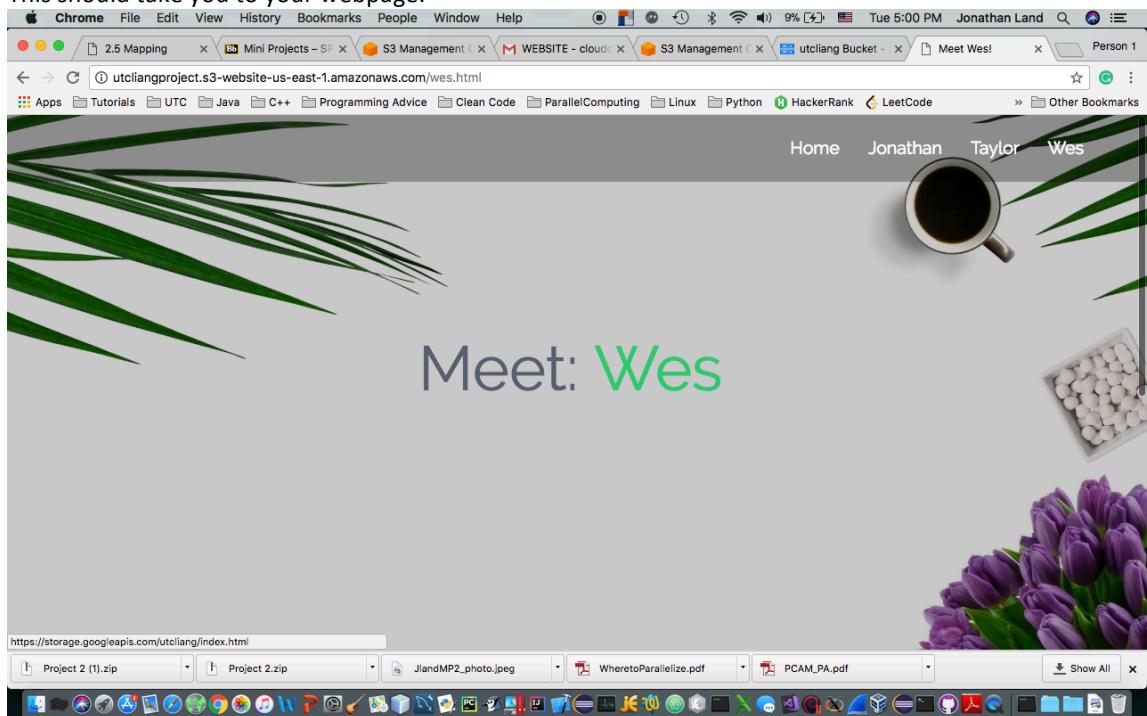
10. After clicking “Properties,” you will see a screen like this. Now click on “Static website hosting.”

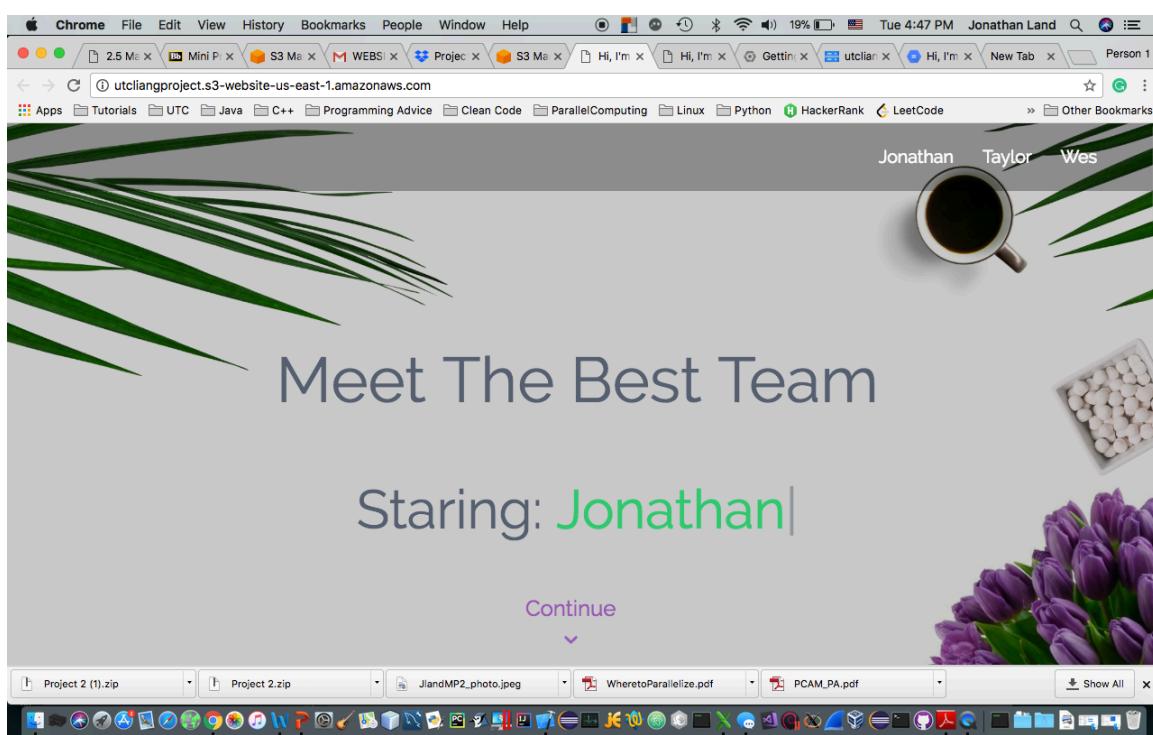
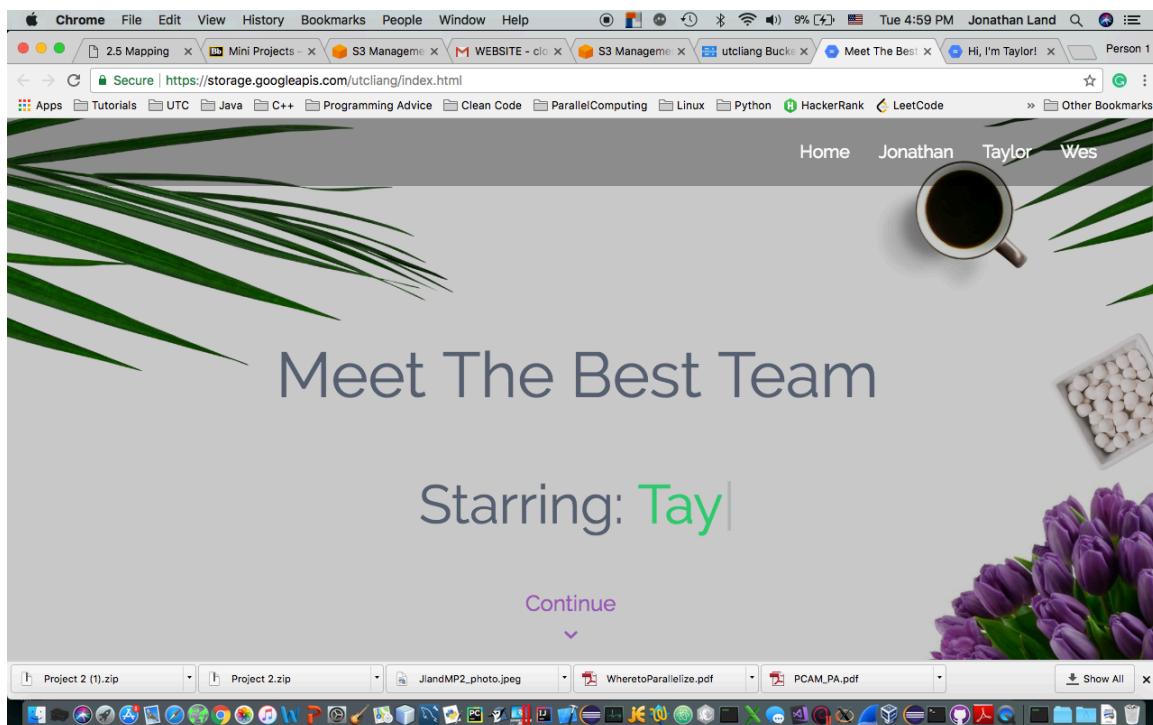


11. You will be brought to this screen next. From here click on the URL that your bucket is linked to.



12. This should take you to your webpage.





13. If you decide to upload new revisions of your code, go back to the previous screen where your bucket project is, delete the files, upload new code, and then go back to “Properties” and “Static web hosting” and click the URL to get updated page (you may have to click refresh).

