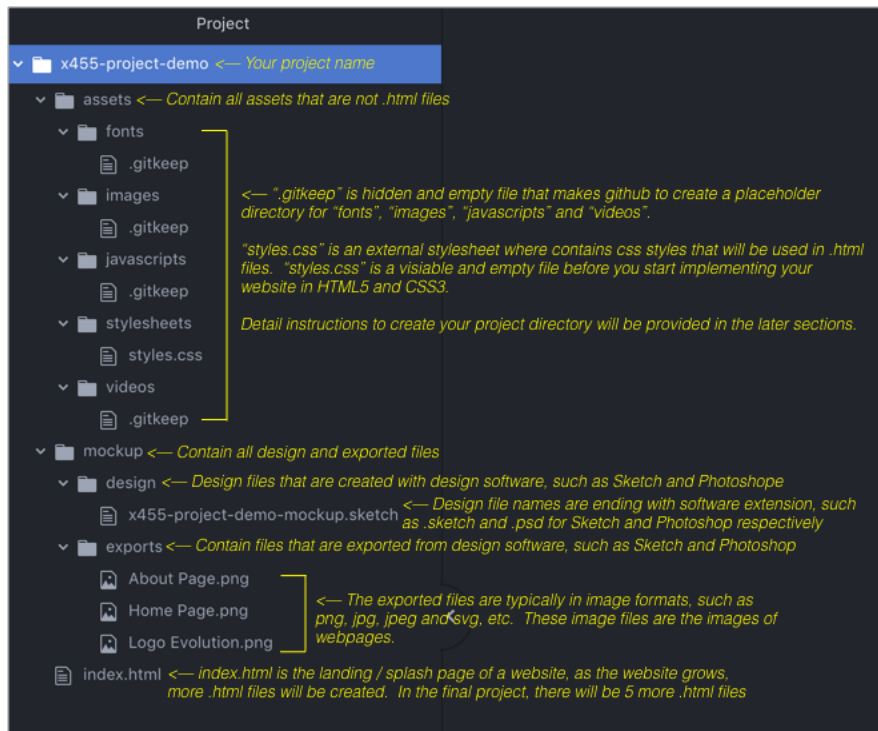# Lecture 3: HTML Deep Dive
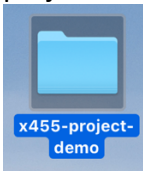# Supplemental Instruction

Create Project Directory

To prepare for implementing a website with HTML5 and CSS3, we will be creating a project directory as shown below.
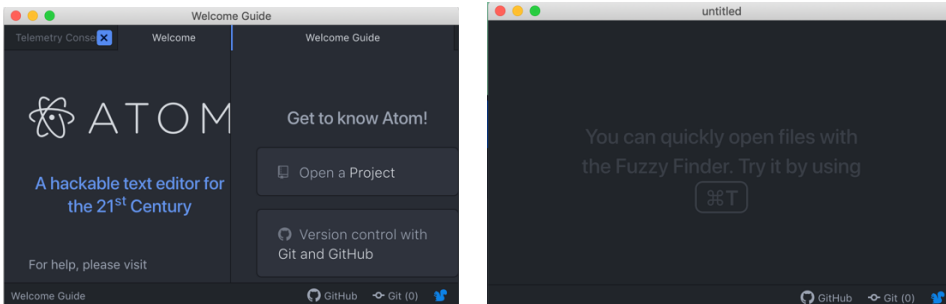
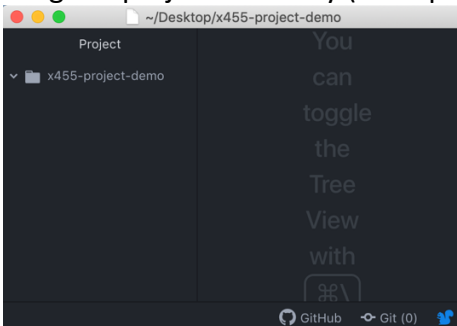*Steps to create a project directory:*

1. Create an empty folder on your desktop and give it a name, and this folder will be your project directory
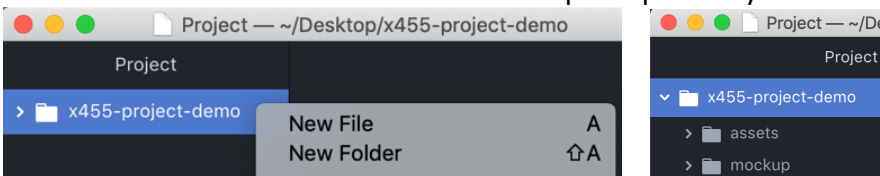

2. Open Atom code editor, then click the "X" to close all tabs
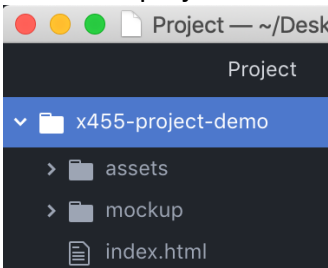

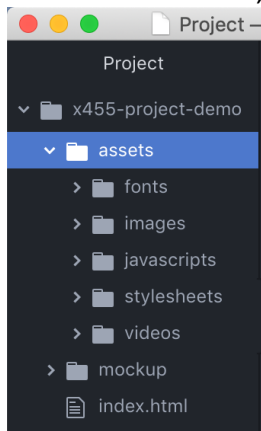3. Drag the project directory (x455-project-demo) to Atom

4. Select the project directory, right click and select "New Folder" to create 2 folders. Name the 2 folders as "assets" and "mockup" respectively.
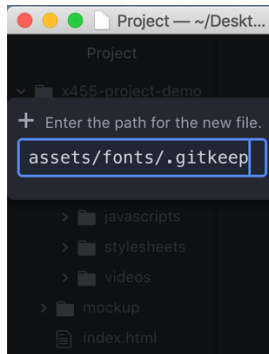

5. Select the project directory, right click to select "New File" to create index.html
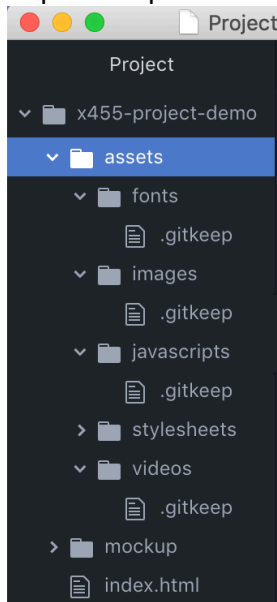
6. Select "assets" folder, right click and select "New Folder" to create 5 folders. Name the 5 folders as "fonts", "images", "javascripts", "stylesheets" and "videos" respectively.
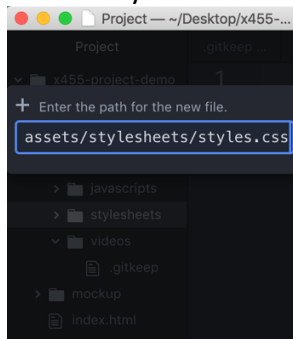

7. Select "fonts" folder, right click to select "New File" to create ".gitkeep" file
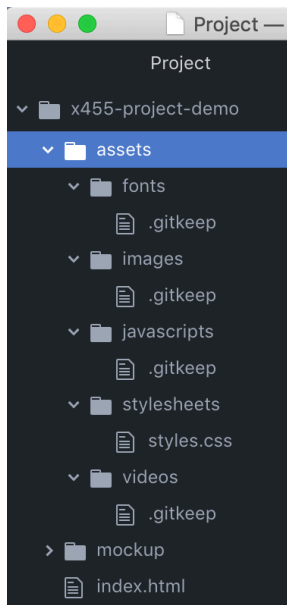

8. Repeat Step 7 to create ".gitkeep" file in "images", "javascripts" and "videos" folders
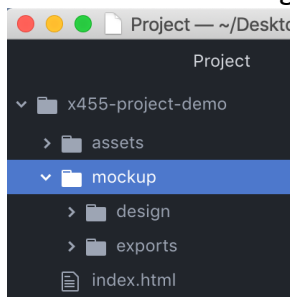
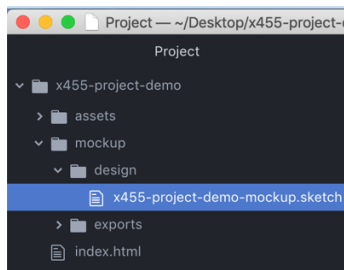9. Select "stylesheets" folder, right click to select "New File" to create "styles.css" file

10. As a result, the "assets" folder in the project directory contains folders and files as shown below.
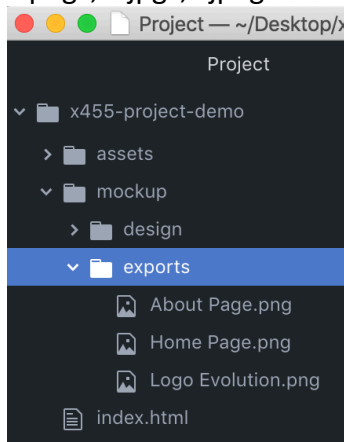

11. Select "mockup" folder, right click and select "New Folder" to create 2 folders. Name the 2 folders as "design" and "exports" respectively.
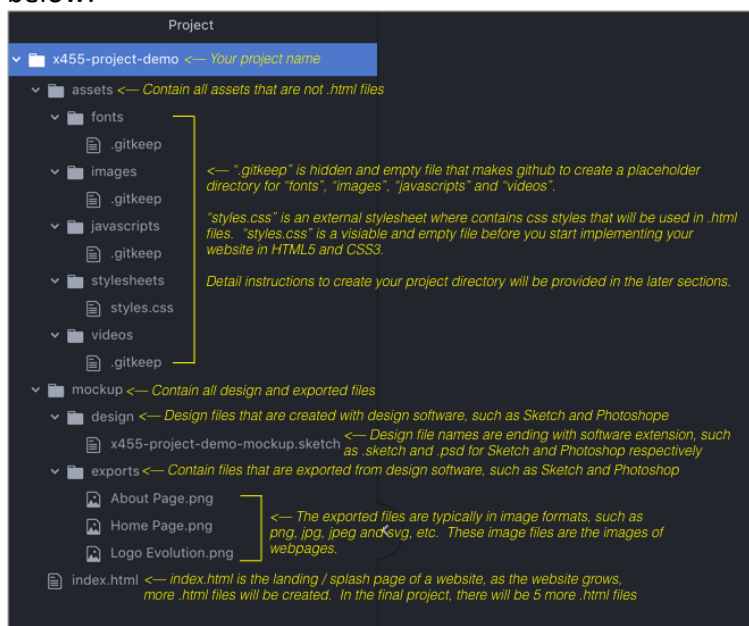
12. When you do your mockup using design software, such as Sketch and Photoshop, save your design file in "design" folder as shown below. The design file should be ending with extension ".sketch" or ".psd" for Sketch and Photoshop respectively.

13. After you completed your design on Sketch or Photoshop, export your design to files in image formats. These files will commonly be in png, jpg, jpeg or svg formats with ".png", ".jpg", "jpeg" or ".svg" extension as shown below.

14. Finally, you have created your project directory and that will be similar to the example below.
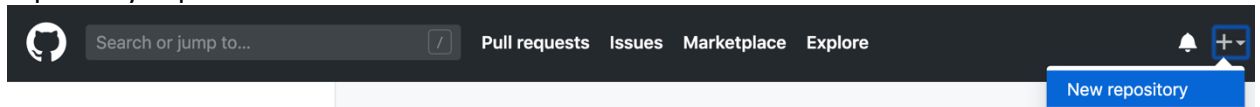
Create a Repo for Your Project Directory on Github

Steps to create a repo for your project direction on Github:
1. Create an account on Github, click the link below to follow instructions to create one for your project.
   https://www.wikihow.com/Create-an-Account-on-GitHub

2. Login to your Github account - https://github.com/

3. In the upper-right corner the page, use the "+" drop-down menu, and selecte "New repository" option

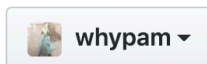4. Enter your project name, select "Public" option and check the box for "Initialize this repository with a README", then click "Create repository"
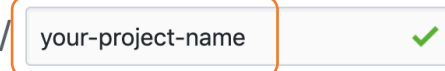
5. Select "Upload files" to upload your project directory to Github

6. Drag your "assets" and "mockup" folders and index.html to drag files area

7. After loading is completed, select the "Commit changes" button at the bottom of the page. It may take a few minutes to complete the commit process. Be patience.

Commit changes

Add files via upload

Add an optional extended description...

◉ ⎁ Commit directly to the `master` branch.

○ ⑂ Create a **new branch** for this commit and start a pull request. Learn more about pull requests.

[Commit changes] Cancel

8. After the commit process is completed, you will see screen similar to the figure as shown below

🖥 whypam / **your-project-name**   👁 Unwatch ▾ 1   ★ Star 0   ⑂ Fork 0

<> Code   ⓘ Issues 0   ⑂ Pull requests 0   ▷ Actions   🎞 Projects 0   📖 Wiki   🛡 Security   📊 Insights   ⚙ Settings

No description, website, or topics provided.   Edit

Manage topics

⎁ **2 commits**   ⑂ **1 branch**   📦 **0 packages**   🏷 **0 releases**   👥 **1 contributor**

Branch: master ▾   New pull request   Create new file   Upload files   Find file   Clone or download ▾

whypam Add files via upload   Latest commit 74cb857 2 minutes ago

📁 assets   Add files via upload   2 minutes ago
📁 mockup   Add files via upload   2 minutes ago
📄 README.md   Initial commit   26 minutes ago
📄 index.html   Add files via upload   2 minutes ago

8

The "assets" folder should contain "fonts", "images", "javascripts", "stylesheets" and "videos" folders. The "mockup" folder contains "design" and "exports" folders. The file structure should be same as the image below.