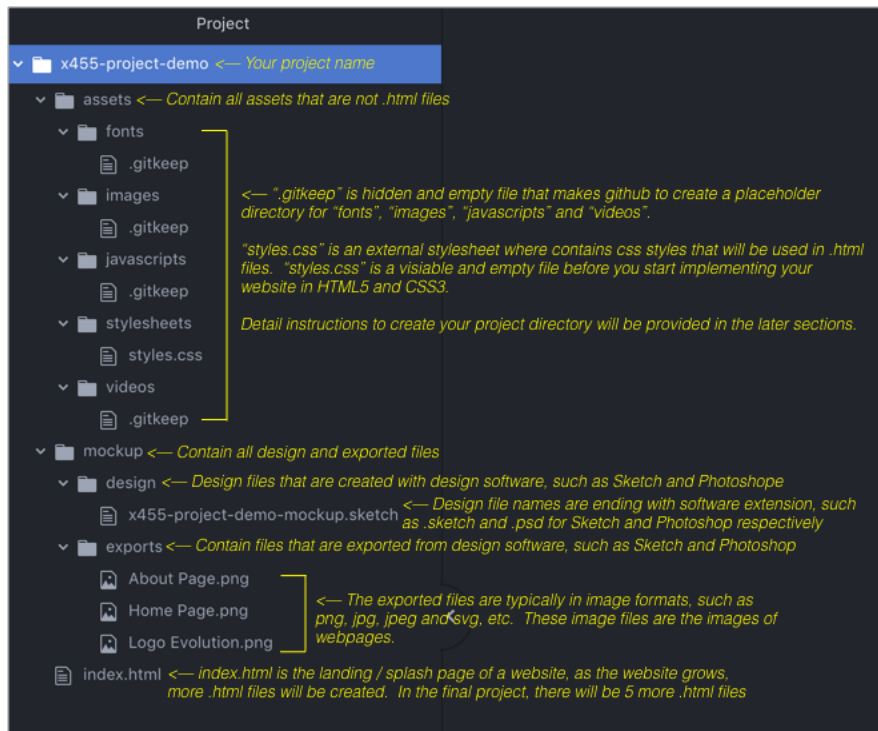


Lecture 3: HTML Deep Dive

Supplemental Instruction

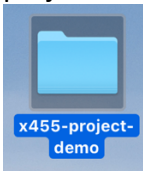
Create Project Directory

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

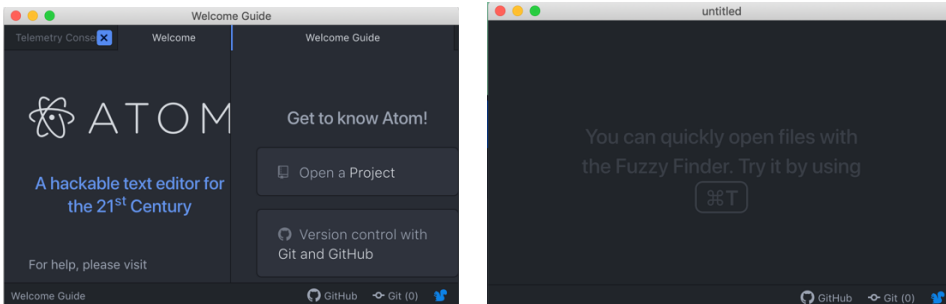


Steps to create a project directory:

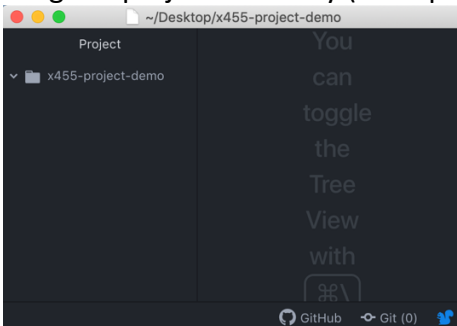
1. Create an empty folder on your desktop and give it a name, and this folder will be your project directory



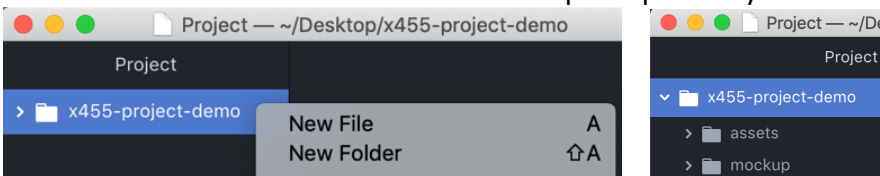
2. Open Atom code editor, then click the “X” to close all tabs



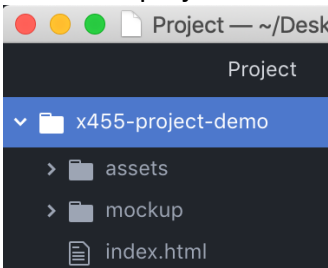
3. Drag the project directory (x455-project-demo) to Atom



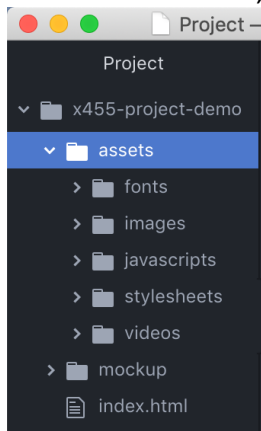
4. Select the project directory, right click and select “New Folder” to create 2 folders. Name the 2 folders as “assets” and “mockup” respectively.



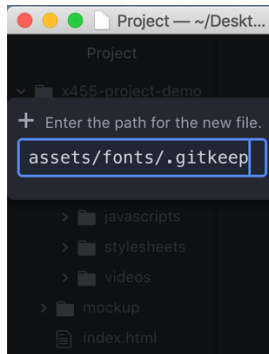
5. Select the project directory, right click to select “New File” to create index.html



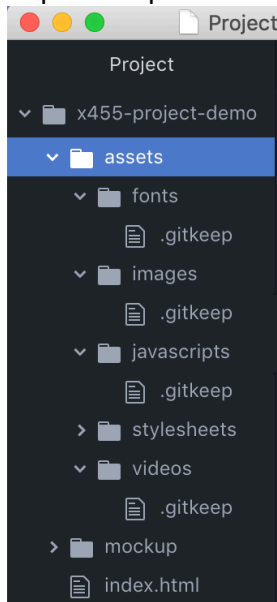
6. Select “assets” folder, right click and select “New Folder” to create 5 folders. Name the 5 folders as “fonts”, “images”, “javascripts”, “stylesheets” and “videos” respectively.



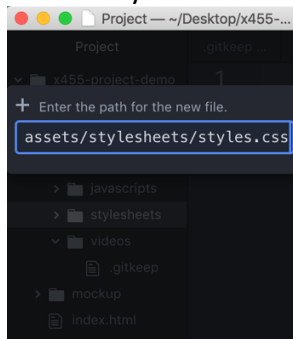
7. Select “fonts” folder, right click to select “New File” to create “.gitkeep” file



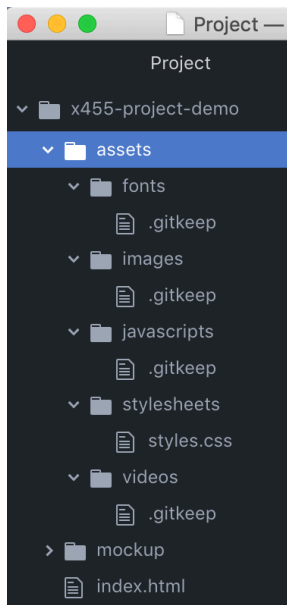
8. Repeat Step 7 to create “.gitkeep” file in “images”, “javascripts” and “videos” folders



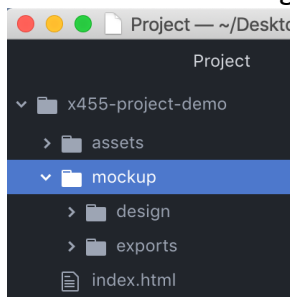
9. Select “stylesheets” folder, right click to select “New File” to create “styles.css” file



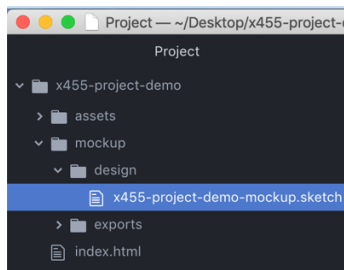
10. As a result, the “assets” folder in the project directory contains folders and files as shown below.



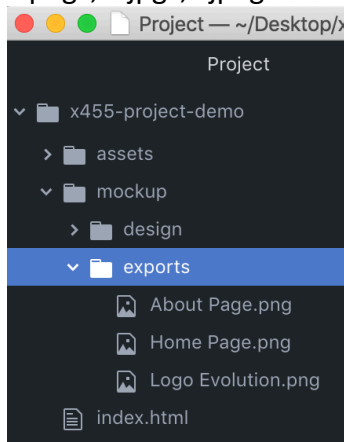
11. Select “mockup” folder, right click and select “New Folder” to create 2 folders. Name the 2 folders as “design” and “exports” respectively.



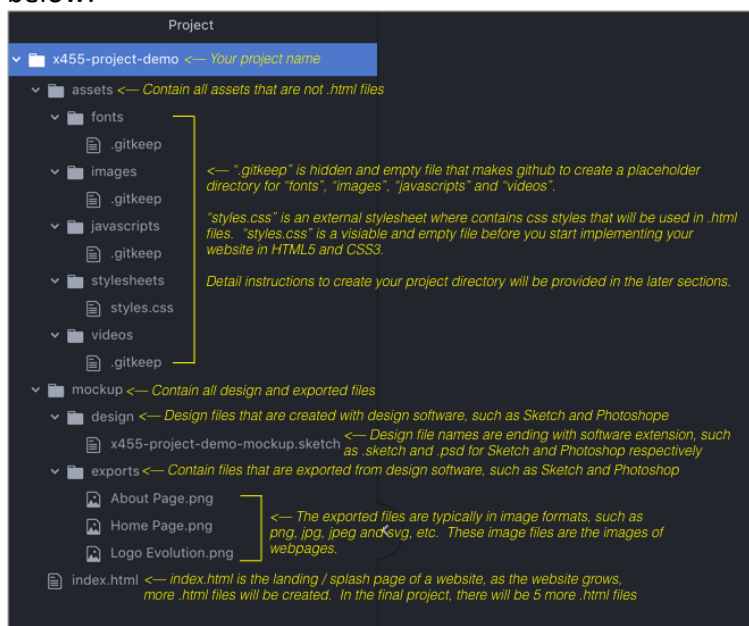
12. When you do your mockup using design software, such as Sketch and Photoshop, save your design file in “design” folder as shown below. The design file should be ending with extension “.sketch” or “.psd” for Sketch and Photoshop respectively.



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

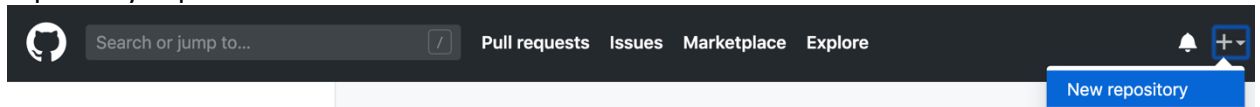
Steps to create a repo for your project direction on Github:

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

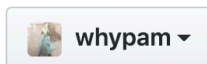


4. Enter your project name, select “Public” option and check the box for “Initialize this repository with a README”, then click “Create repository”

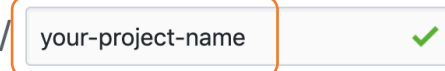
Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository.](#)

Owner



Repository name *



Great repository names are short and memorable. Need inspiration? How about [silver-octo-sniffle?](#)

Description (optional)

☒ **Public**



Anyone can see this repository. You choose who can commit.

☐ **Private**



You choose who can see and commit to this repository.

Skip this step if you're importing an existing repository.

☒ **Initialize this repository with a README**

This will let you immediately clone the repository to your computer.

Add .gitignore: **None** ▾

Add a license: **None** ▾



Create repository

5. Select “Upload files” to upload your project directory to Github

The screenshot shows the GitHub repository page for 'whypam / your-project-name'. At the top, there are buttons for 'Unwatch', 'Star', and 'Fork'. Below this is a navigation bar with links for '<> Code', 'Issues', 'Pull requests', 'Actions', 'Projects', 'Wiki', 'Security', 'Insights', and 'Settings'. A message states 'No description, website, or topics provided.' with an 'Edit' button. Below this, statistics show '1 commit', '1 branch', '0 packages', '0 releases', and '1 contributor'. A row of buttons includes 'Branch: master', 'New pull request', 'Create new file', 'Upload files' (highlighted with an orange box), 'Find file', and 'Clone or download'. The commit history shows an 'Initial commit' of 'README.md' by 'whypam' 8 minutes ago. The file content area shows 'your-project-name'.

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

The screenshot shows the GitHub repository page for 'your-project-name /'. A large, rounded rectangular area is highlighted with an orange border, containing icons for various file types (image, document, code, etc.) and the text 'Drag files here to add them to your repository'. Below this text is a link that says 'Or choose your files'.

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.

The screenshot shows the 'Commit changes' interface. At the top, there's a section titled 'Commit changes'. Below this title, there's a text input field with the placeholder 'Add files via upload'. Underneath that is a larger text area with the placeholder 'Add an optional extended description...'. Below the text area, there are two radio button options: the first is 'Commit directly to the master branch.' and the second is 'Create a new branch for this commit and start a pull request. Learn more about pull requests.' At the bottom of the form, there are two buttons: a green 'Commit changes' button and a grey 'Cancel' button. The 'Commit changes' button is highlighted with a red rectangle.

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

The screenshot shows the repository page for 'whypam / your-project-name'. At the top, there's a header with the repository name and icons for 'Unwatch', 'Star', and 'Fork'. Below the header, there's a navigation bar with tabs for 'Code', 'Issues', 'Pull requests', 'Actions', 'Projects', 'Wiki', 'Security', 'Insights', and 'Settings'. The 'Code' tab is selected. Below the navigation bar, there's a section for 'No description, website, or topics provided.' with an 'Edit' button. Below this, there's a section for 'Manage topics'. At the bottom, there's a section for repository statistics: '2 commits', '1 branch', '0 packages', '0 releases', and '1 contributor'. Below the statistics, there's a section for 'Branch: master' with a 'New pull request' button. To the right, there are buttons for 'Create new file', 'Upload files', 'Find file', and 'Clone or download'. Below this, there's a table showing the commit history.

File	Commit Message	Time
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

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.

