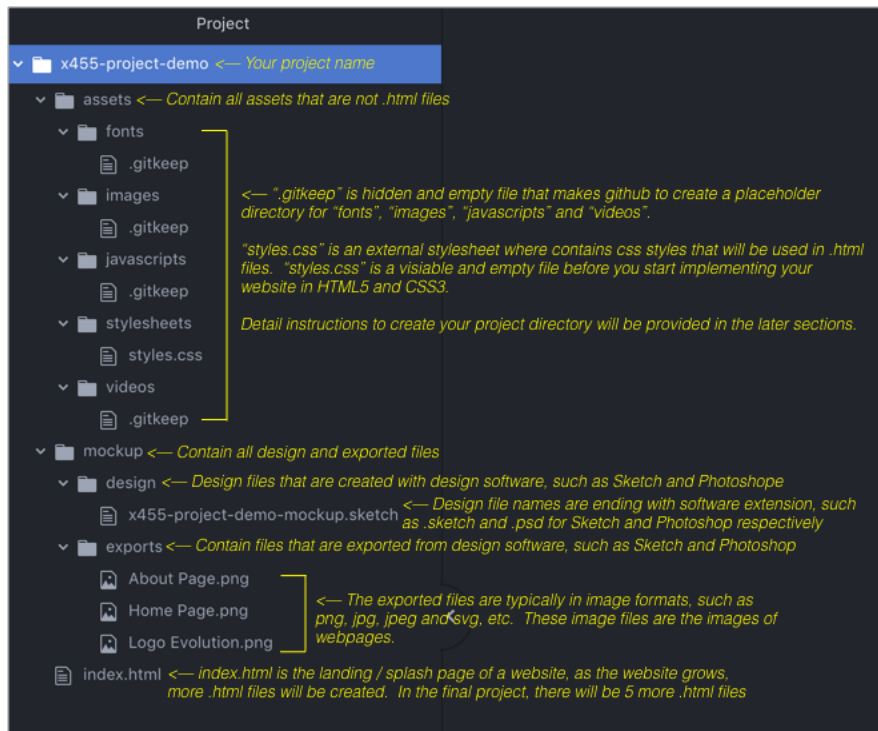


Lecture 3: HTML Deep Dive

Supplemental Instruction

Create Local Project Repository

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



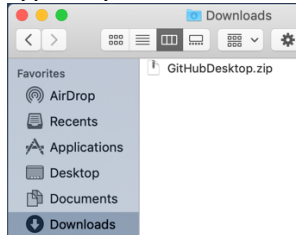
Create a Local Project Repository for Your Project with GitHub Desktop

Steps to create a local project repository for your project with GitHub Desktop:

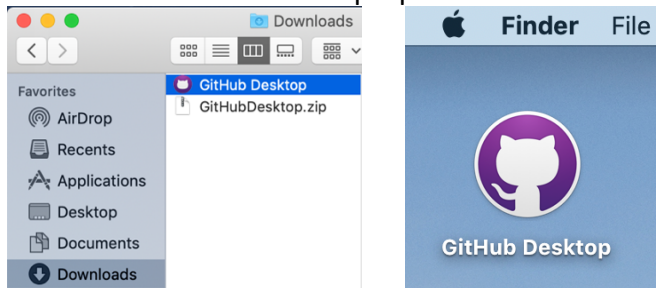
1. Create an account on Github, click the link below to follow instructions to create one for your project.

<https://www.wikihow.com/Create-an-Account-on-GitHub>

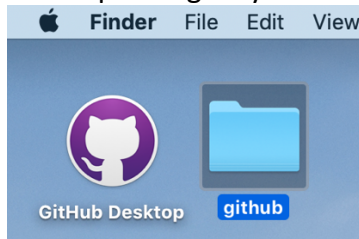
2. Go to <https://desktop.github.com/> to download Github Desktop (GitHubDesktop.zip) typically saved in Downloads folder



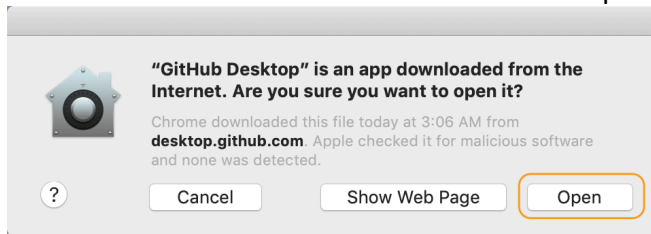
3. Double click GitHubDesktop.zip to extract GitHub Desktop and move it to Desktop



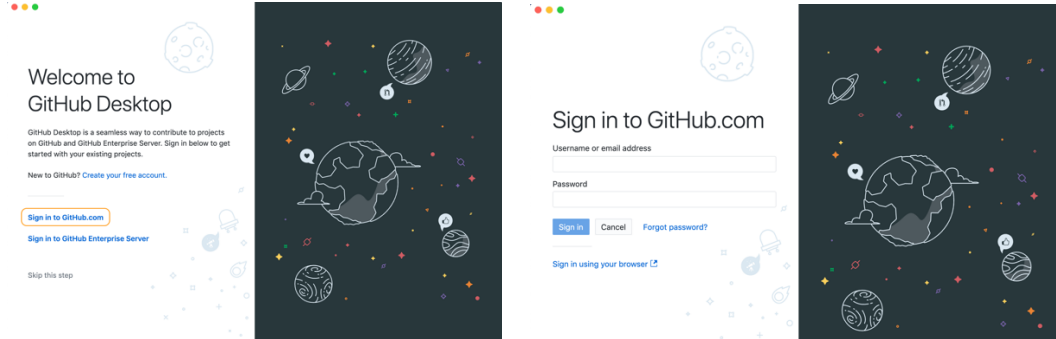
4. Create a folder on your desktop and name it as "github", "github" folder and GitHub Desktop sitting on your desktop



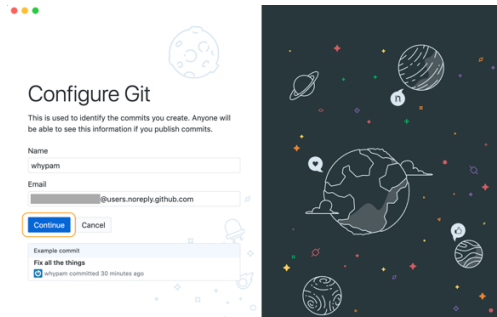
5. Double click the GitHub Desktop icon to open the application
If it is your first time to open, you will be prompted to aware of the application is downloaded from the Internet. Just select “Open”



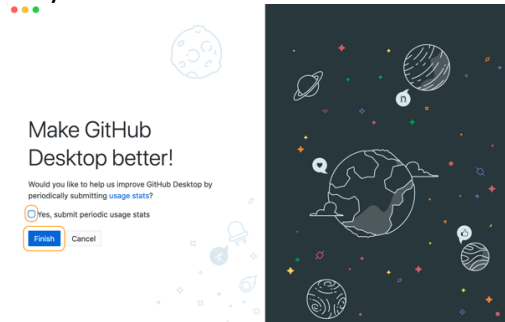
6. GitHub Desktop splash screen appear and select “Sign in to GitHub.com” and sign in to your Github account created in Step 1



7. Select “Continue” to move forward



8. If you like to help improve GitHub Desktop by periodically submitting usage stats, you may check the box. Select “Finish” to complete the installation and setup process

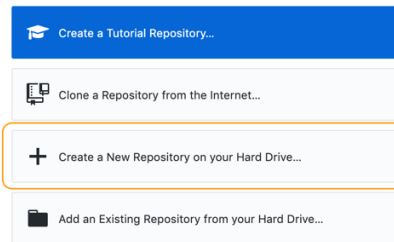


9. Select “Create a New Repository on your Hard Drive...”

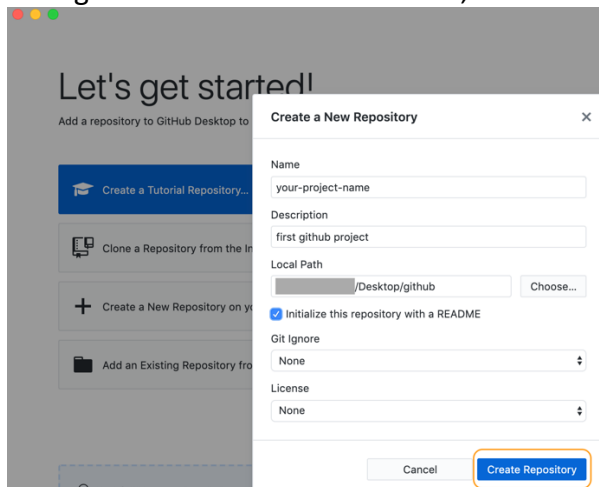


Let's get started!

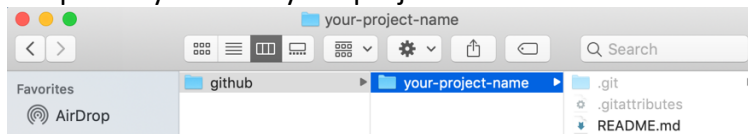
Add a repository to GitHub Desktop to start collaborating



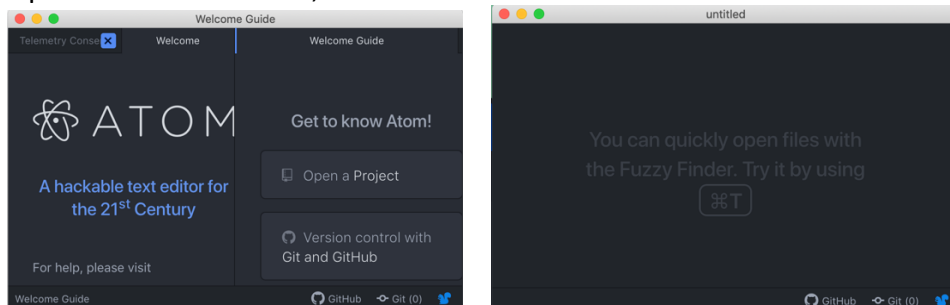
10. Fill in your project name and description, choose the “github” folder created in previous step for “Local Path”, check the box for “Initialize this repository with a README”, keep “Git Ignore” and “License” as None, and select “Create Repository”



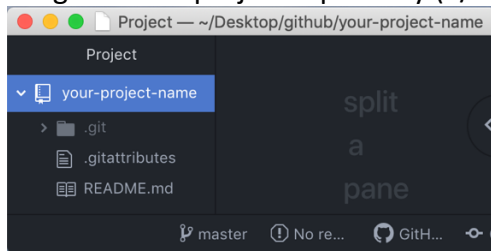
11. A repository named “your-project-name” is created in the “github” folder on desktop



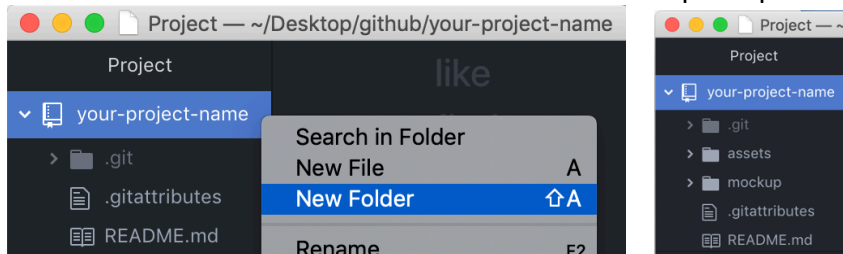
12. Open Atom code editor, then click the “X” to close all tabs



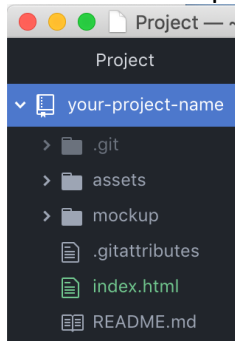
13. Drag the local project repository (~/Desktop/github/your-project-name) to Atom



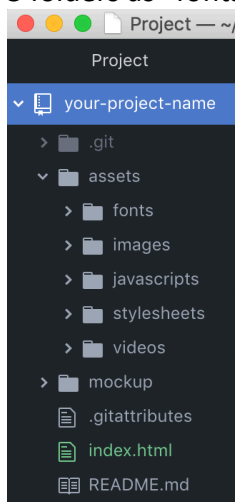
14. Select the local project repository, right click and select “New Folder” to create 2 folders. Name the 2 folders as “assets” and “mockup” respectively.



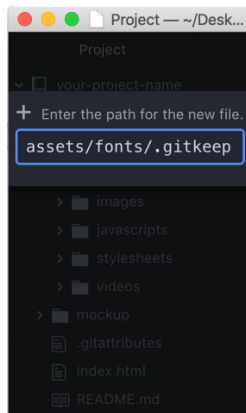
15. Select the local project repository, right click to select “New File” to create index.html



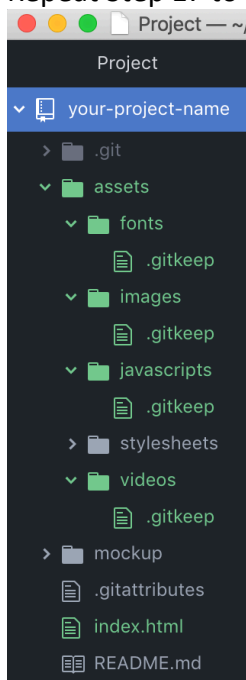
16. Select “assets” folder, right click and select “New Folder” to create 5 folders. Name the 5 folders as “fonts”, “images”, “javascripts”, “stylesheets” and “videos” respectively.



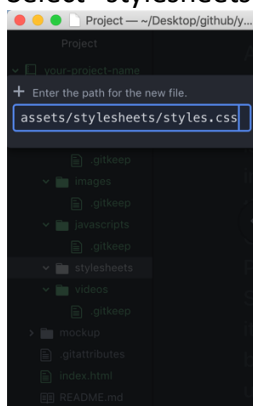
17. Select “fonts” folder, right click to select “New File” to create “.gitkeep” file



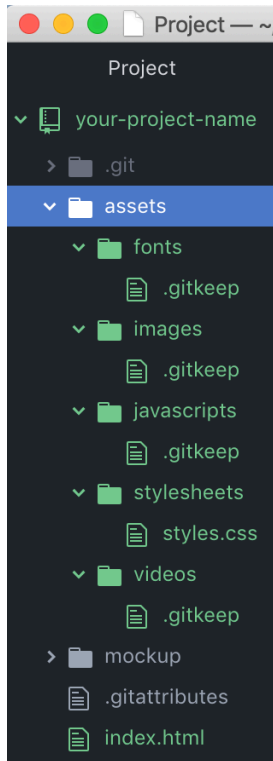
18. Repeat Step 17 to create “.gitkeep” file in “images”, “javascripts” and “videos” folders



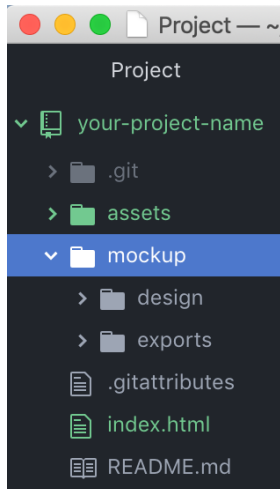
19. Select “stylesheets” folder, right click to select “New File” to create “styles.css” file



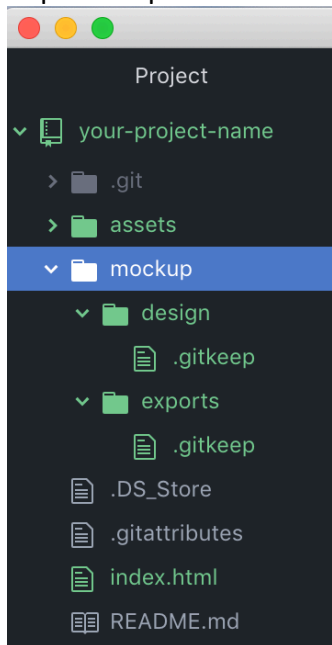
20. As a result, the “assets” folder in the project directory contains folders and files as shown below.



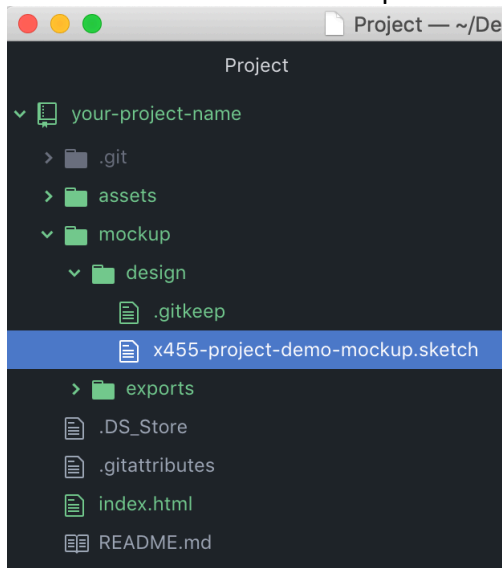
21. Select “mockup” folder, right click and select “New Folder” to create 2 folders. Name the 2 folders as “design” and “exports” respectively.



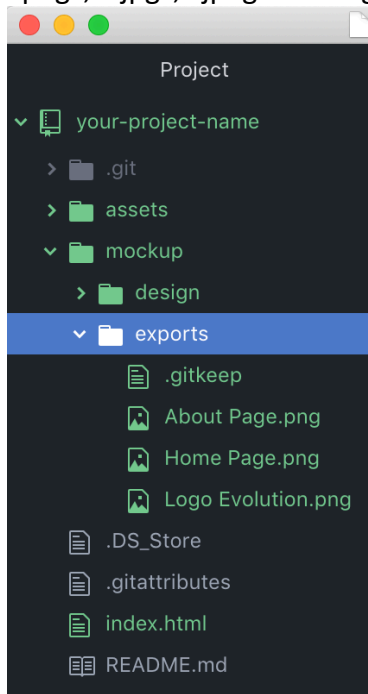
22. Repeat Step 17 to create “.gitkeep” file in “design” and “exports” folders



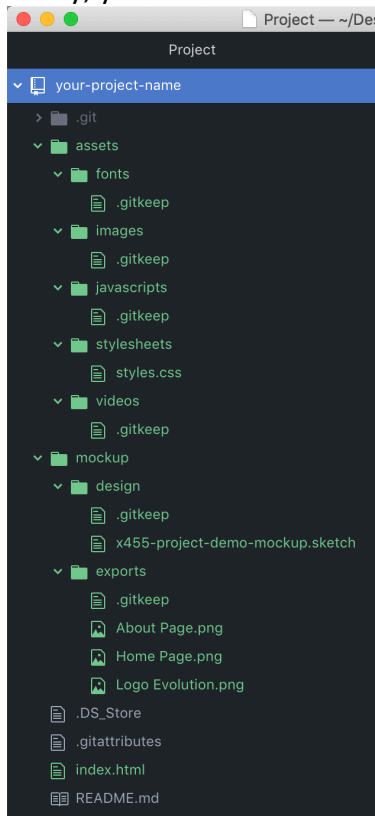
23. When you do your mockup using design software, such as Sketch and Photoshop, save your design file in “design” folder as shown below. The design file should be ending with extension “.sketch” or “.psd” for Sketch and Photoshop respectively.



24. 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.



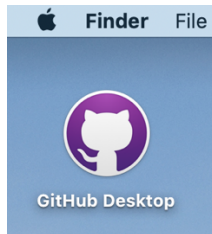
25. Finally, you have created a local project repository as shown below.



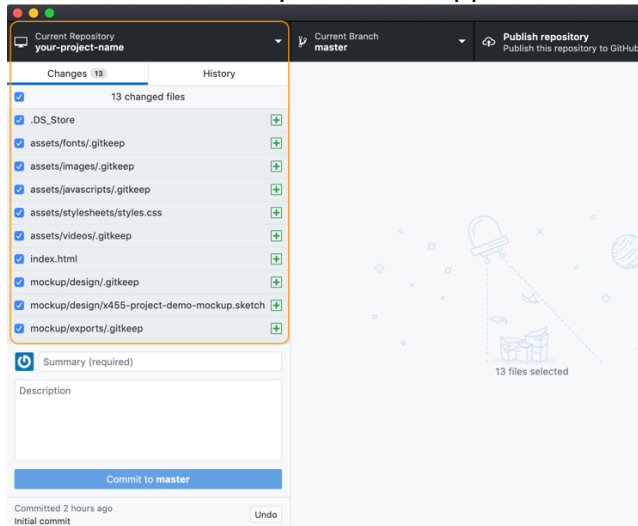
Publish a Local Project Repository to Github with GitHub Desktop

Steps to publish a local project repository to Github with GitHub Desktop:

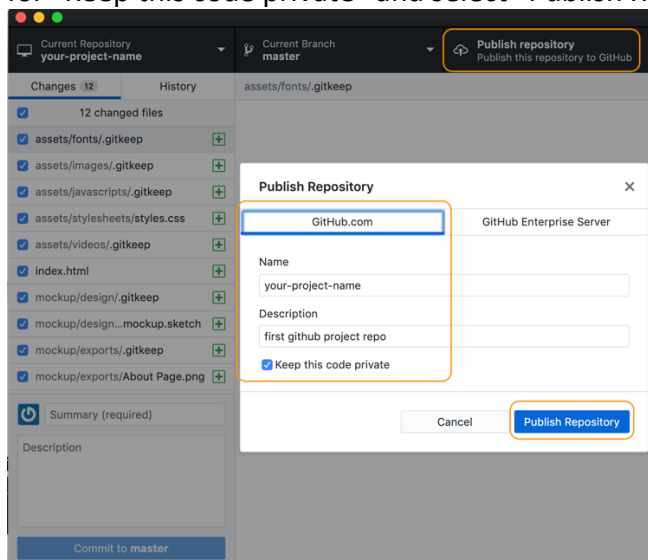
1. After created a local project repository on your desktop, open GitHub Desktop



2. The folders and files you created appear on the left side of the screen

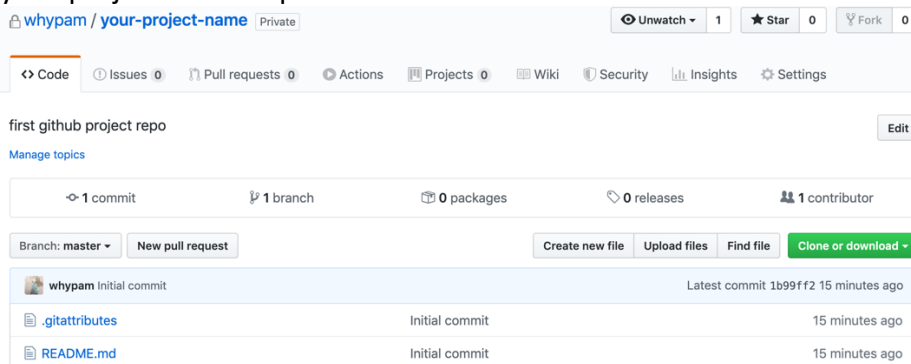


3. Select "GitHub.com" tab, complete "Name" and "Description" fields, and check the box for "Keep this code private" and select "Publish Repository"

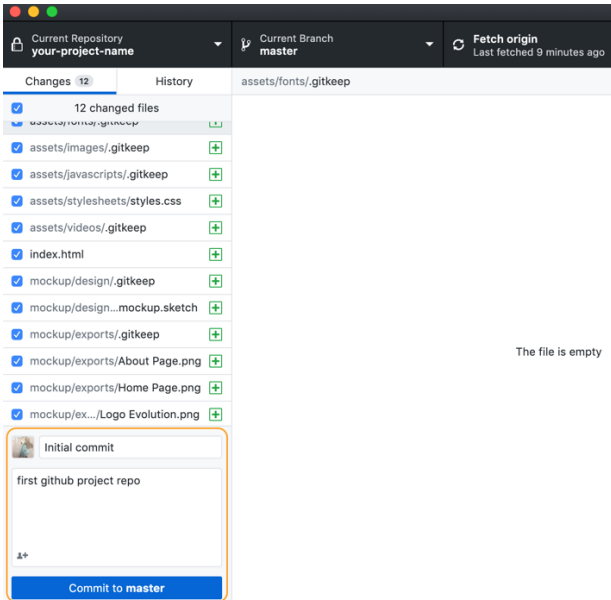


4. Login to your Github account at <https://github.com/>

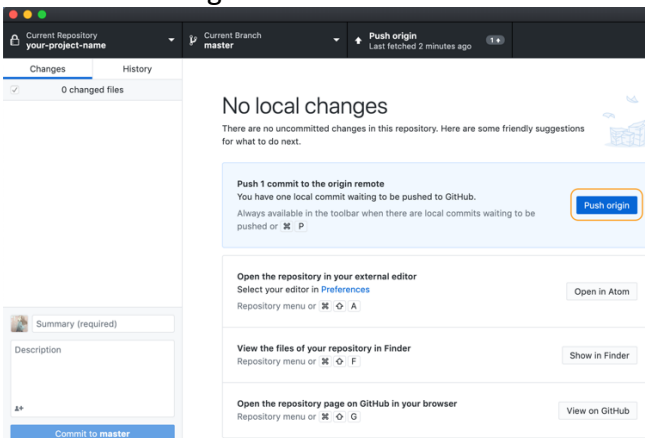
5. your-project-name is published as shown below



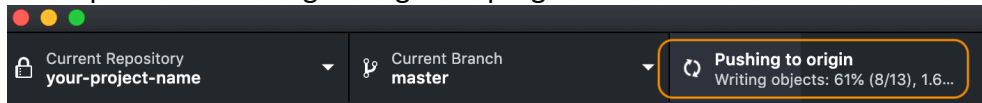
6. Go back to GitHub Desktop, fill in “Summary (required)” and “Description”, then select “Commit to master”



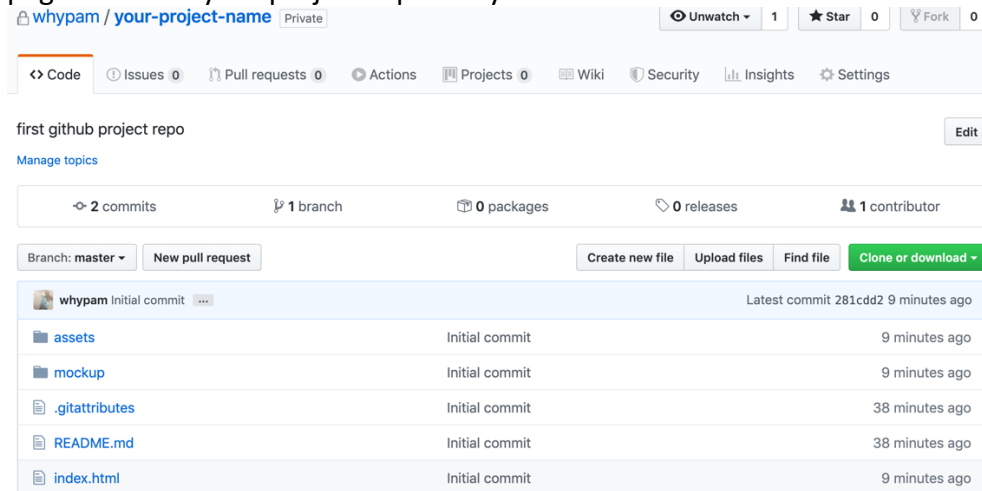
7. Select “Push origin”



8. The top shows “Pushing to origin” in progress



9. After finish pushing to origin, go back to your Github account, refresh the repository page to reload your project repository as shown below

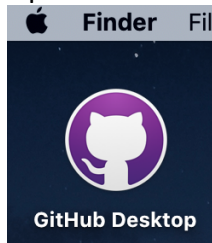


Clone a Repository from GitHub with GitHub Desktop

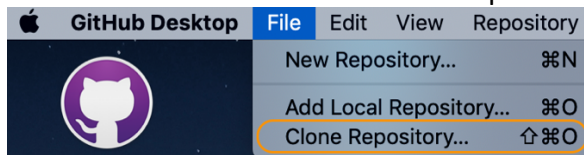
Steps to clone a repository from GitHub with GitHub Desktop:

1. Make sure the to-be-cloned repository doesn't exist in the folder that you will use to store the repository. In this demo, you will clone a repository named "your-project-name", so make sure "your-project-name" is not in your folder.

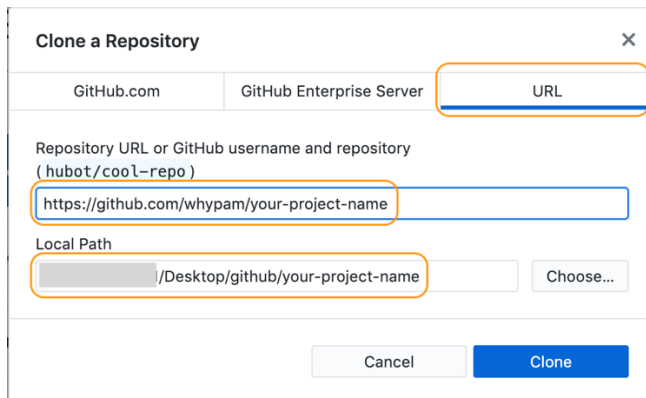
2. Open GitHub Desktop



3. Go to File menu and select "Clone Repository"



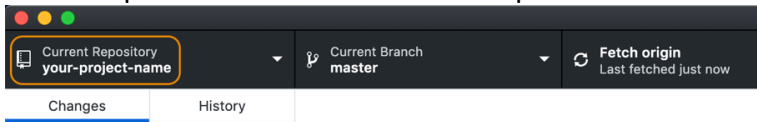
4. Select "URL" tab, enter <https://github.com/whypam/your-project-name> for Repository URL and choose a Local Path to store the to-be-cloned repository



5. Then, you will see a cloning in progress window as shown below



6. After finish cloning, you will see the cloned repository appears as “Current Repository” on the top left corner of GitHub Desktop



7. You will also see the cloned repository in your chosen folder in Step 4

