

Lab 1: Setting Up Your First Website

OBJECTIVES

This lab will introduce you to setting up and hosting your own website in Windows 10. You will also be introduced to the open-source web integrated development environment (IDE), Aptana Studio 3. Then you will get familiar with publishing your website through GitHub. The core tasks for this lab are:

- Create a basic website using Aptana Studio 3.
- Publish the website project with GitHub.

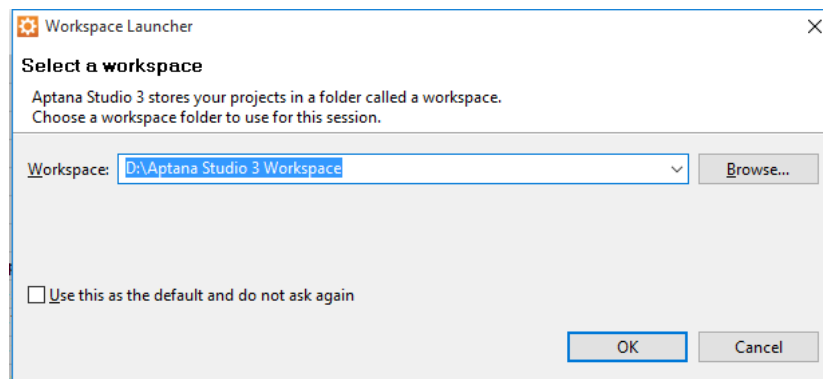
Note: You have **1 week** to finish this lab. We divided this lab into 2 parts (2 tasks and 1 assignment). You need to finish all the tasks and assignment by the due date.

TASK 1. Create new website with Aptana Studio 3

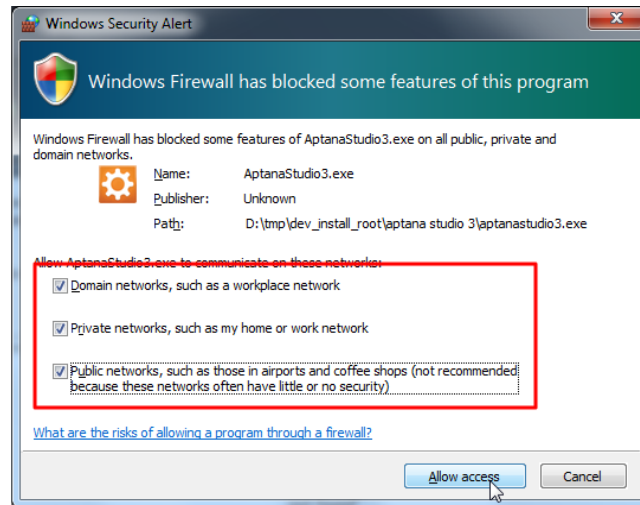
Go through the following steps to create your first website.

(1). Install Aptana Studio 3.

- Download Aptana Studio 3 through the links provided ([Windows 7/8/10](#); [MacOS](#)).
- Open the software and select a folder as your workspace. Your projects will be built up in your workspace.

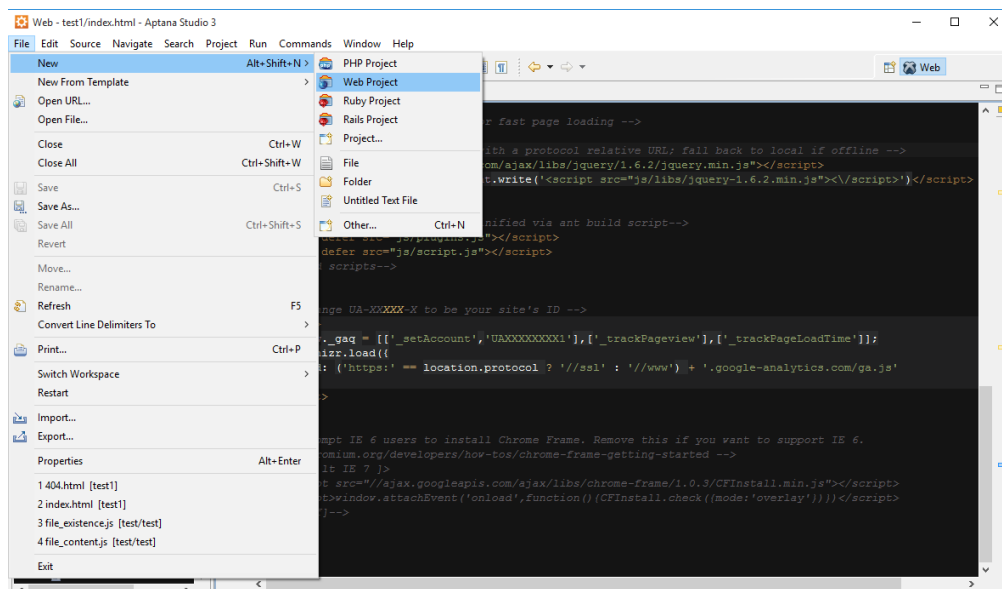


- Select all the checkboxes in “Windows Security Alert” so your Aptana will be able to access the Internet.

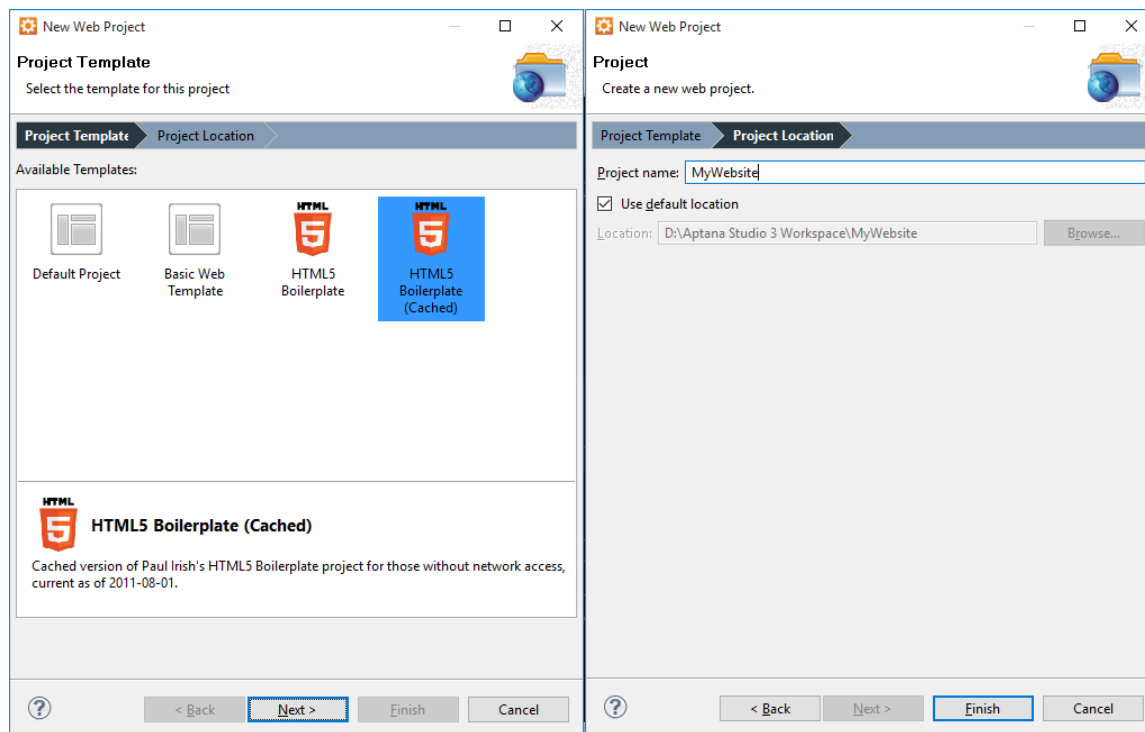


(2). Create a new web project.

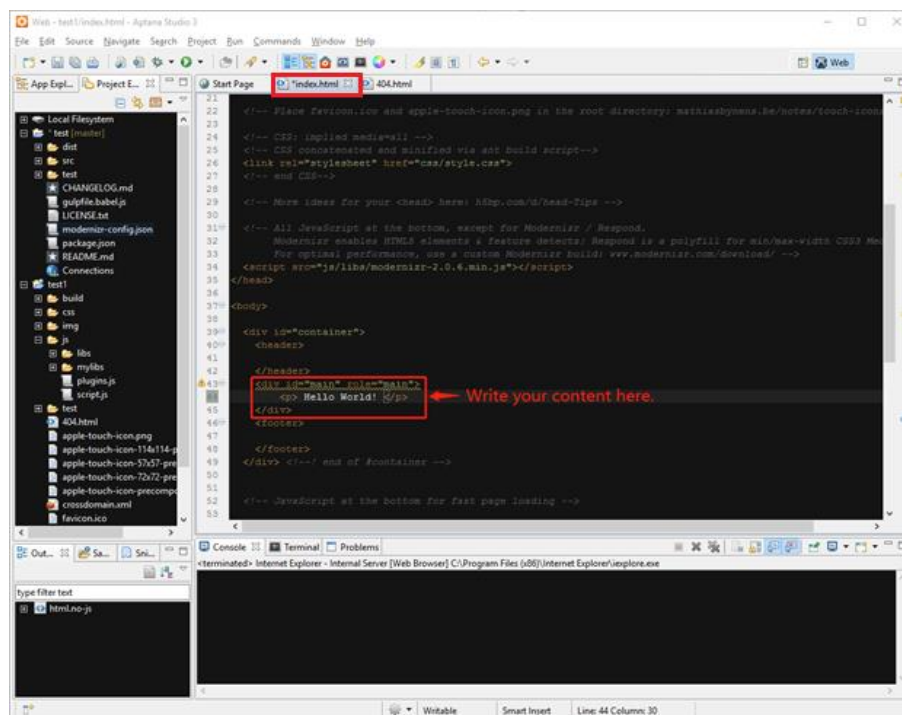
- Open installed Aptana. Go to **File -> New -> Web Project -> HTML5 Boilerplate(Cache).**



- Create a new web project and name it as whatever you want (in this case it's named "MyWebsite")

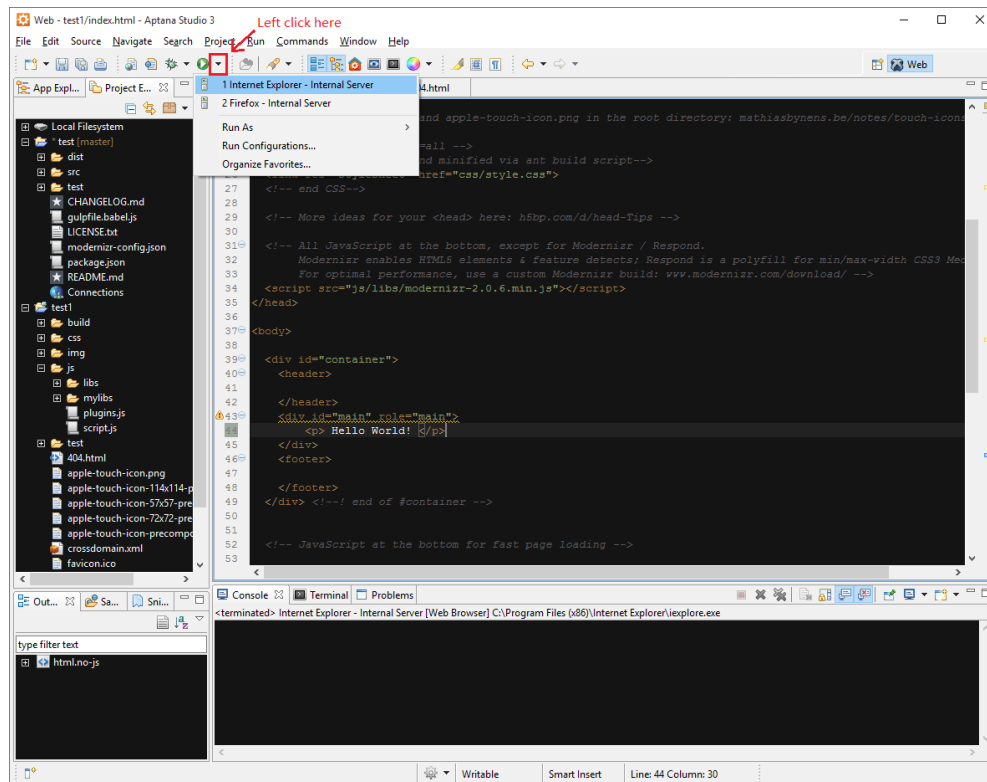


- Write you website in the main `<div>`. Always save your HTML file after changes. Main `<div>` is between a `<header>` tag and a `<footer>` tag. For those who are curious, you can put your IMG logos, navigation menus, titles and meta information that helps searching engines to rank your website if it is found to be relevant in `<header>` tag. As for `<footer>` tag, it keeps the copyright. Without these two tag your HTML file would still be rendered properly in browsers, so ignore them if you don't need.

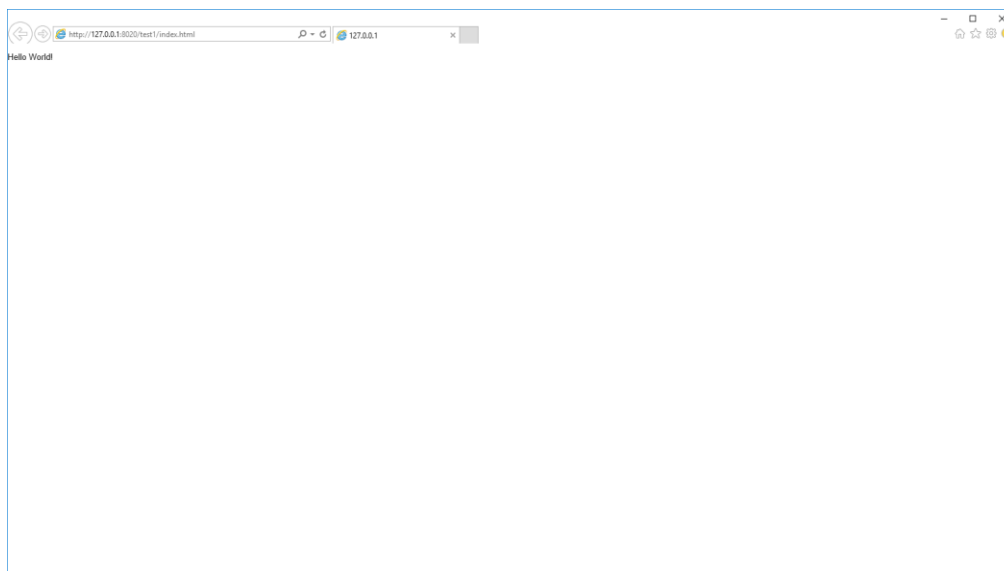


(3). Run your web project.

- **Run** (The green button with a white triangle not the menu item on menu bar) -> **Internet Explorer – Internal Server**.
- To check the performance on browser, you can run your HTML file on your local Internal Server.



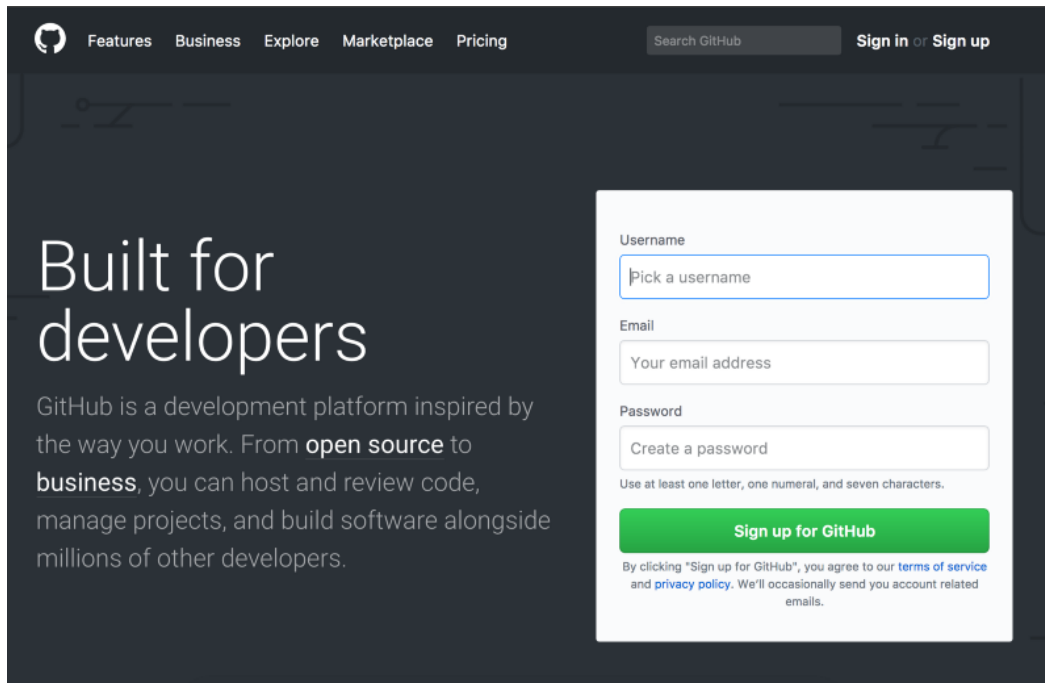
- The output should be like:



TASK 2. Publish your project on Github server

(1). Create a GitHub account.

- [Get yourself a GitHub account](#). You won't have access to the free hosting GitHub offers without one. REMEMBER YOUR USERNAME!

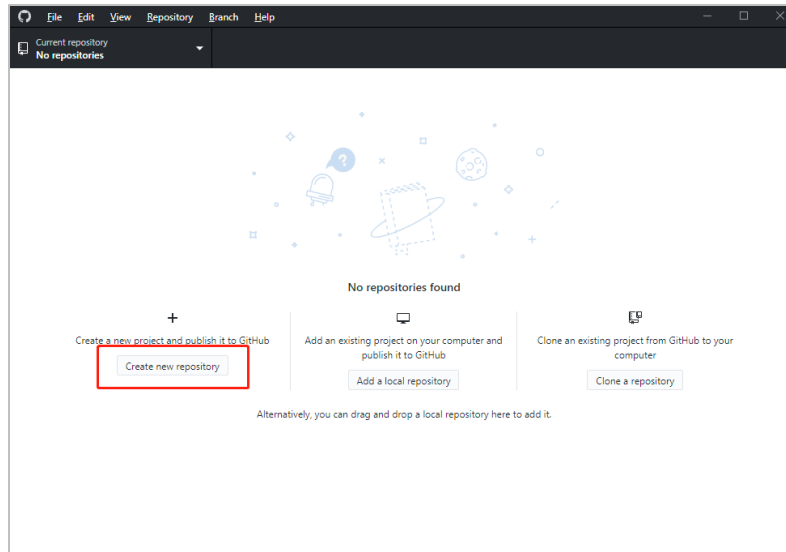


(2). Install GitHub Desktop App.

- Without those annoying Git commands and SSH settings we now have Desktop app ([for MacOS](#); [for Windows](#)) for you to easily maintain your project on GitHub. (If the links don't work, explore this website: <https://desktop.github.com/>). Download GitHub Desktop App from the links provided.

(3). Upload your project to GitHub

- Create a new repository for your GitHub to maintain the project.



- Replace **YourUsername** with your user name. It's important to name your repository in this manner, so that GitHub will host the files in this repository automatically. You can access your website from this location: YourUsername.github.io.
- The local path is where you upload your final version to the online server. It will be smart to make this path the same place as where your website project is. It should be a place to maintain the final, perfectly-working edition of each version of your project. If anything bad happens in your project that you can't either fix it or restore the previous version. There is always a working duplication of previous version in GitHub you could use to restart.

Create a new repository

Name

repository name **YourUsername.github.io**

Description

Local path

D:\GitHub **Local GitHub Workspace**

choose...

☐ Initialize this repository with a README

Git ignore

None

License

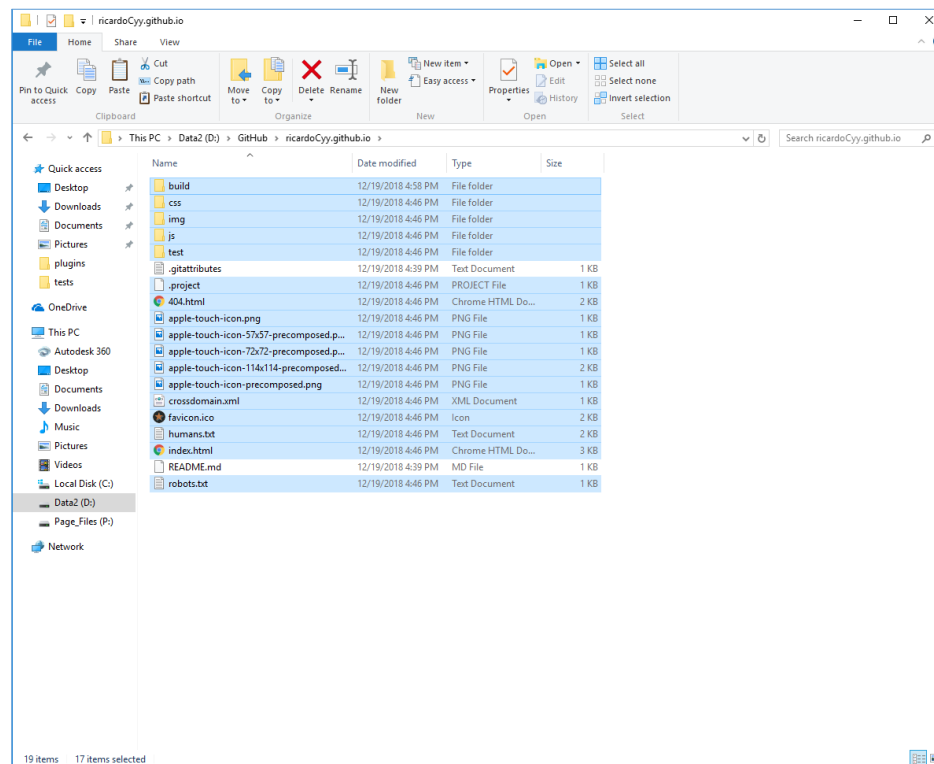
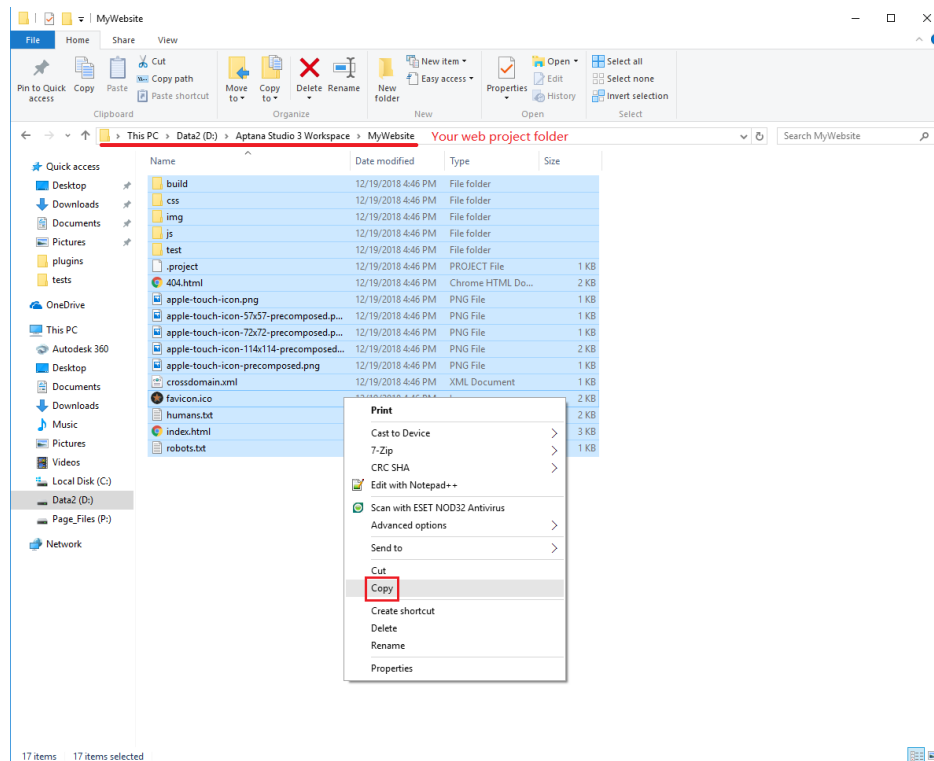
None

Create repository

Cancel

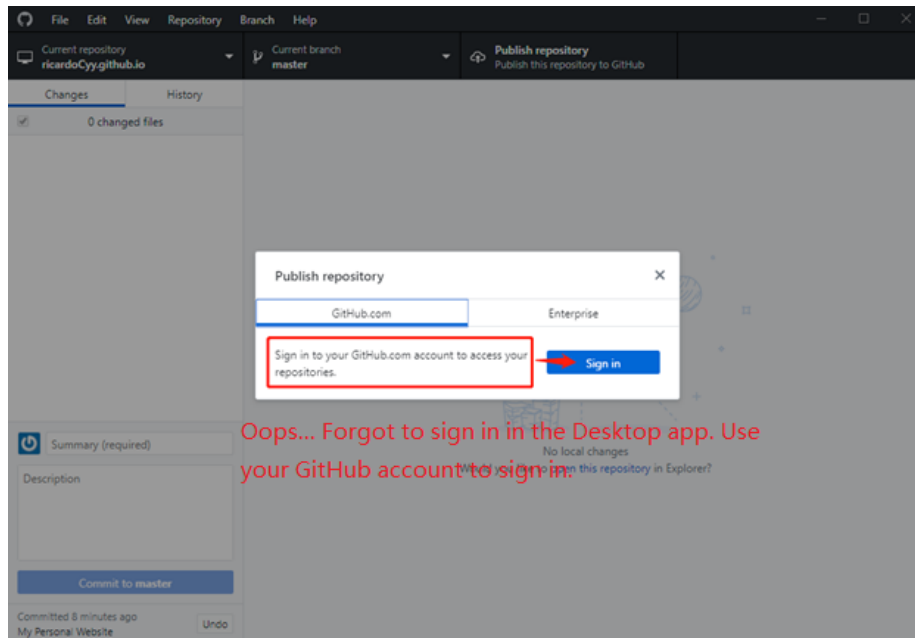
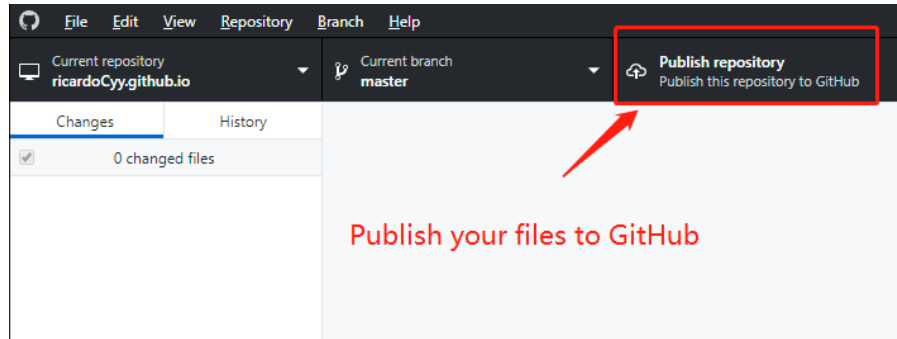
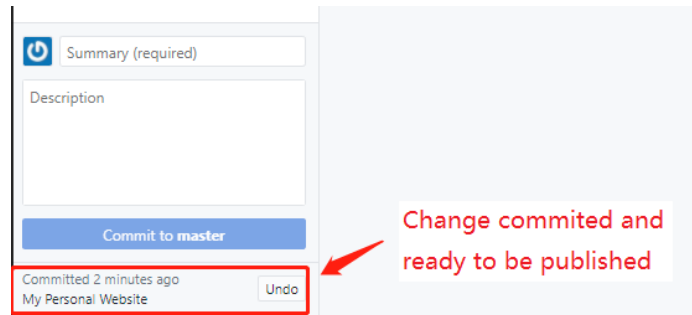
(4). Publish your website

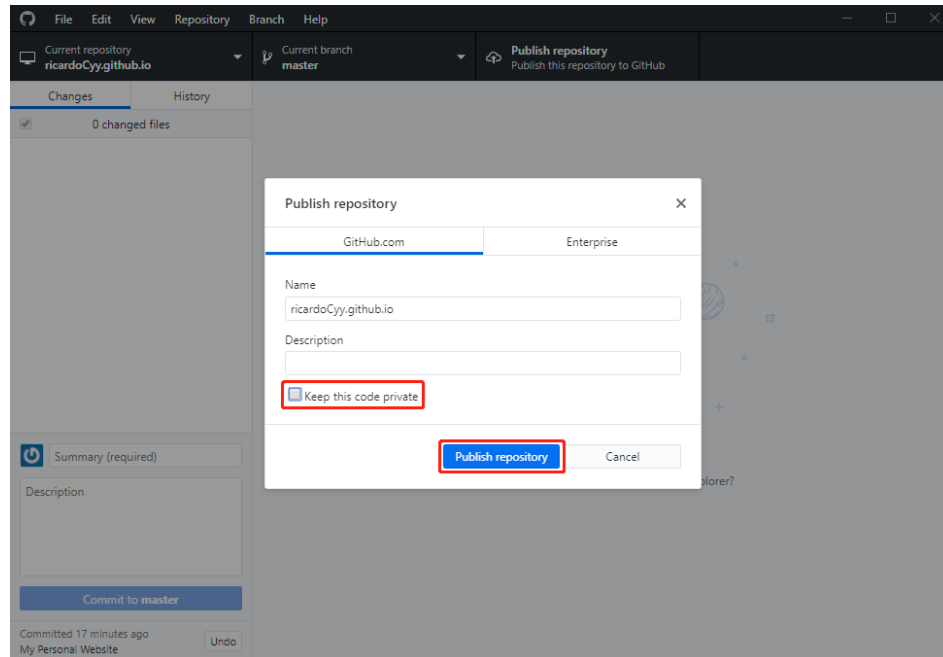
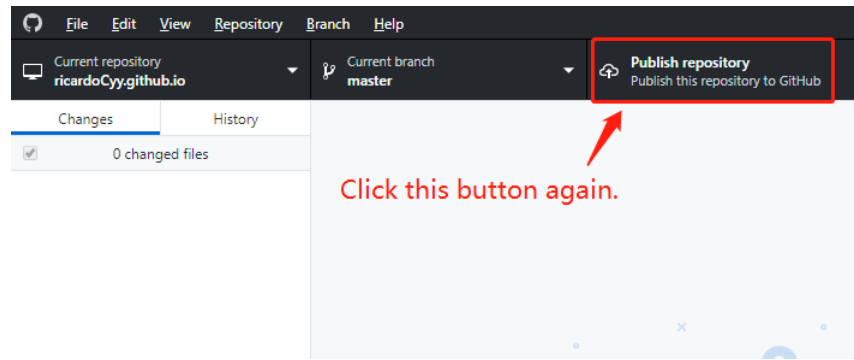
- Copy your files in your website project to your Local Github Repository folder.



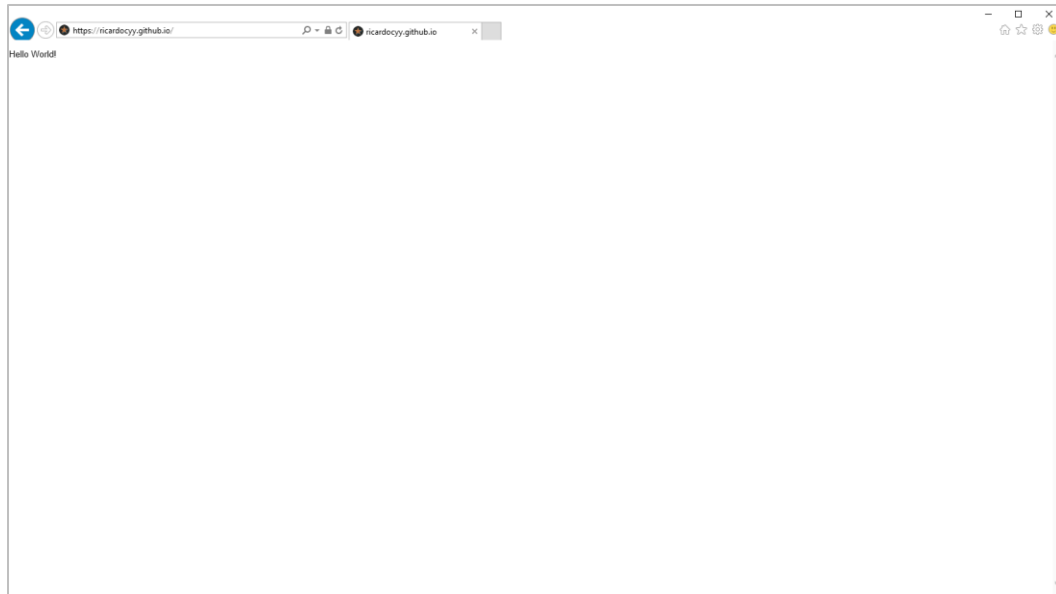
- GitHub Desktop App would automatically detect the change in the local GitHub Repository folder.







- Now you can access to your website by typing this URL in your browser:
<https://YourUsername.github.io/>



ASSIGNMENT 1. Publish your first web project.

Deliverables

(1). All related files in Assignment 1, including:

- A word document contains a line of your name of the published repository in GitHub **AND** a screenshot of your published web project which is the similar to the last figure demonstrated before.
- Put this file in a zip folder named “StudentID_YourName_lab1_assignment1.zip” and upload the zip folder. An example of folder name is “14000000D_Chan_Tai_Ming_lab1_assignment1”.

(2). Upload the zip folder to Lab 1 on Blackboard.

Due Date: 23:59 PM, January 27th, 2019