

The technology GitHub is used primarily to store code on the cloud.

So **github.com** is where the code is stored.



Step 0: So, first step is to go head and create your account there.

Then you need a piece of software that will allow you programmatically communicate with GitHub in the cloud using your operating system Shell (CMD, SHELL, POWESHELL etc..) this is a text based interface, but you as an IT professional, you will need to learn on how to use this command line interface (CLI). ****Those looking to be challenged** ref: <https://training.github.com/downloads/github-git-cheat-sheet/>

GitHub. It is called GitHub for Client (Windows/Mac/Linux). You need to download it from. <https://git-scm.com/downloads>

You will also need a third set of programs called extensions that will allow you to communicate with GitHub in cloud and you favorite programming code editors (Sublime Text, VS Code, Visual studio etc.). We will get to this shortly.

For those who want to dig deeper: <https://stackoverflow.com/questions/3082445/where-does-git-store-files> and <https://stackoverflow.com/questions/2114111/where-does-git-config-global-get-written-to>

Follow these Steps: if you find something different, you are welcome to update this document and send me a reference from your GitHub repository link (this is your GitHub Cloud link to your repository, Example <https://github.com/DineshSthapit/CSC-120>)

On the next pages you will find all the instructions: **Pay attentions to the arrows and the steps.**

The first Part is the One-time setup. You will need to get this correct to do the rest of the assignments.

There are two parts to this document:

- a) One-time Setup for the entire course.
- b) Pushing your daily changes to GitHub

CSC 120 – Instructions for Git Hub and Visual Studio Integration

Created by Dinesh Sthapit: dinesh.sthapit@mericopa.edu

Date: 10/24/2020

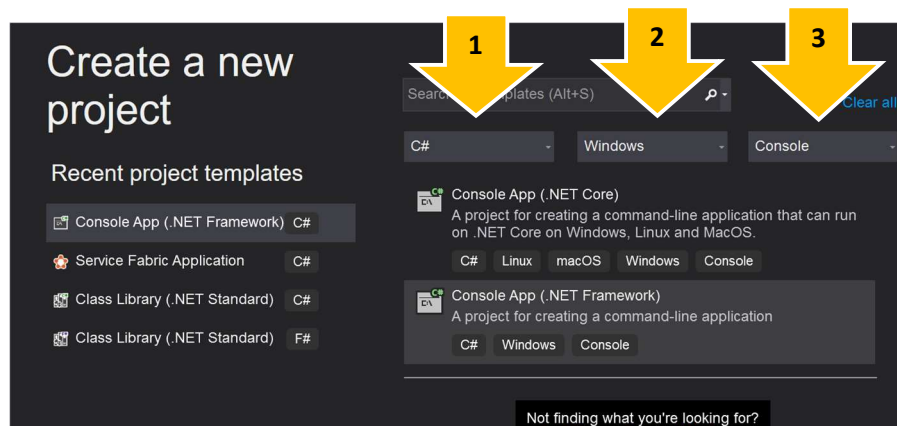
PART A: One-time Setup for the entire course.

Page 2

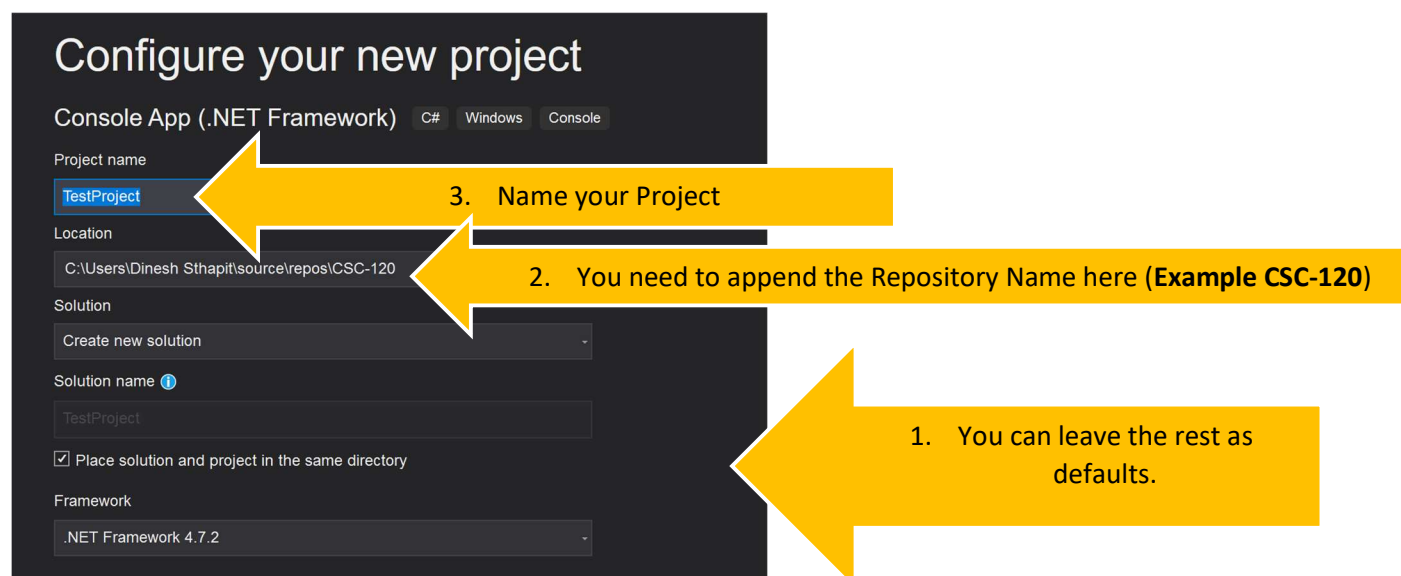


Step 1: Start Visual Studio 2019. Create a new Project

Select these Options as shown below:



Step 1a: Select the following options



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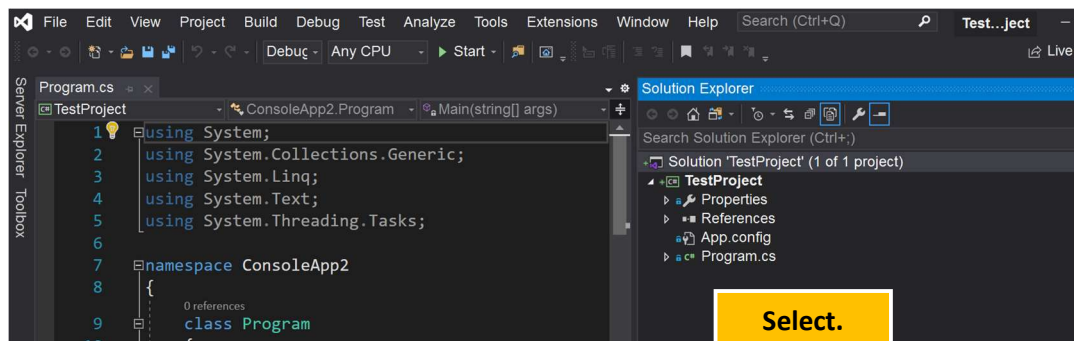
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Result Should look like the following Screen:

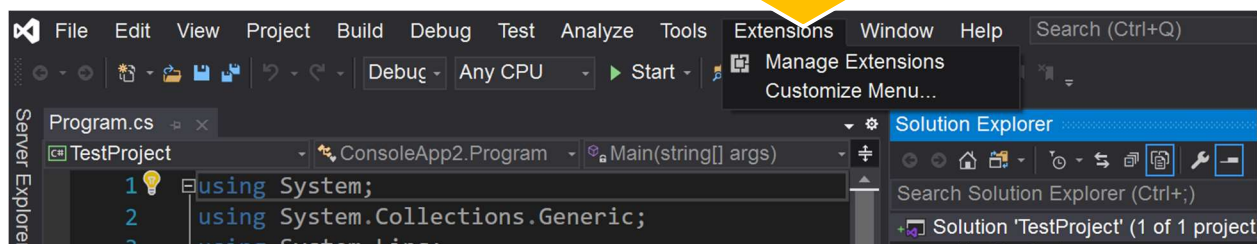
Page 3



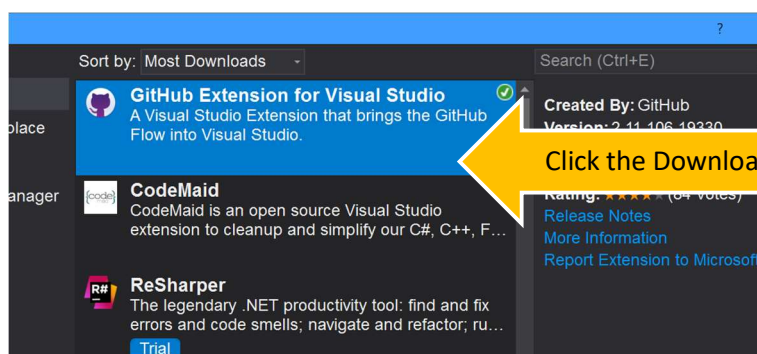
Select.
Managed
Extensions



Step 2: Add Git Hub Extension:



Step 3: Look for GitHub and download



Click the Download Button

.... Continued next page

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Step 4a: After the Extension Downloader Starts, **Close Visual Studio**

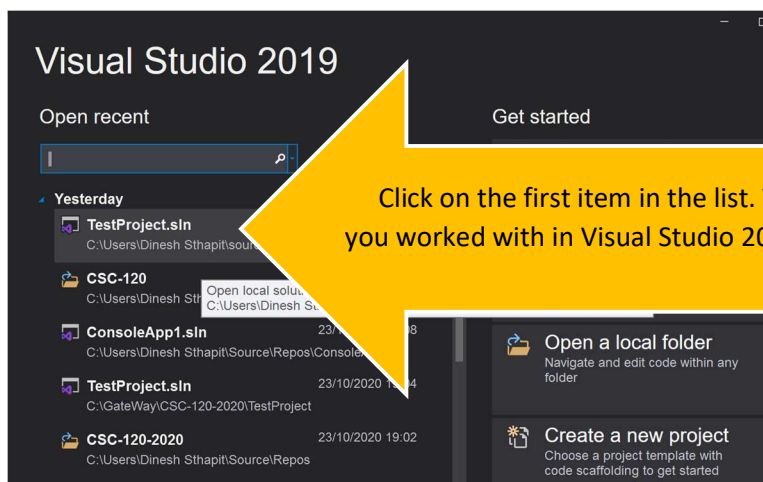
Page 4



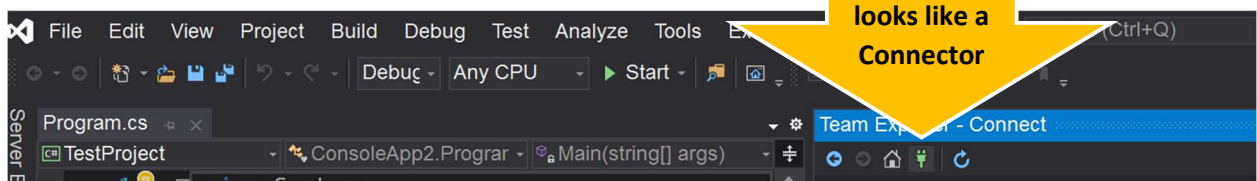
Step 4b: Wait for it to finish installing the Extension



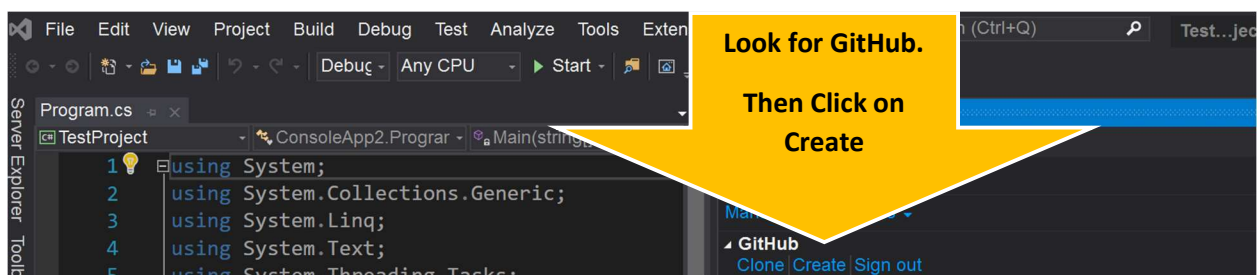
Step 4c: Restart Visual Studio 2019:



Step 4c:



Step 4d:



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Step 4e:

Page 5

Create a GitHub Repository

GitHub

Name

Description

Local path: C:\Users\Dinesh Sthapit\Source [Browse](#)

Git ignore: VisualStudio

License: None

DineshSthapit

☐ Private Repository

Create

The Name here should be same as in Step 1a: CSC 120

Do not Check this Box "Private". This will not allow anyone to see your projects. **This will have side effects on your grades.**

Now Click on Create Button to create a repository in Cloud.

!! Congratulation: We are all done with one-time setup of GitHub Integration with Visual Studio. You can relax now.

IMPORTANT

PART B: Pushing your daily changes to GitHub

“Save often Save Early”, **Check** in your code as regularly as possible when you update your code.

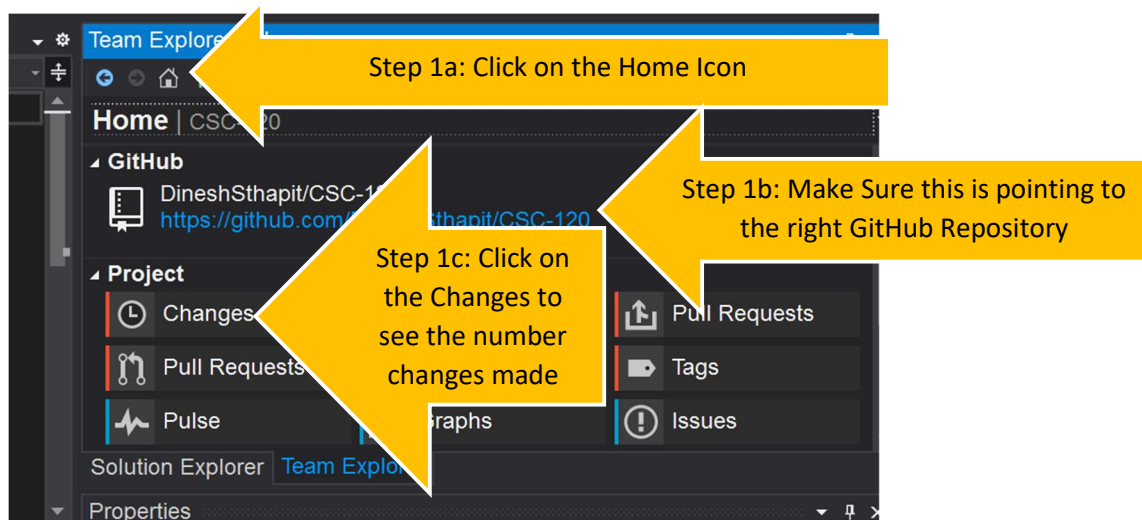


Steps for Code Check in and submitting the link as part of the assignment.

The following Steps must be performed after each new project creation and code changes made to your



Code Check-In Step 1:



Code Comments Step 2: *****Important, make sure to write good comments that reflects the changes you made to your code.**

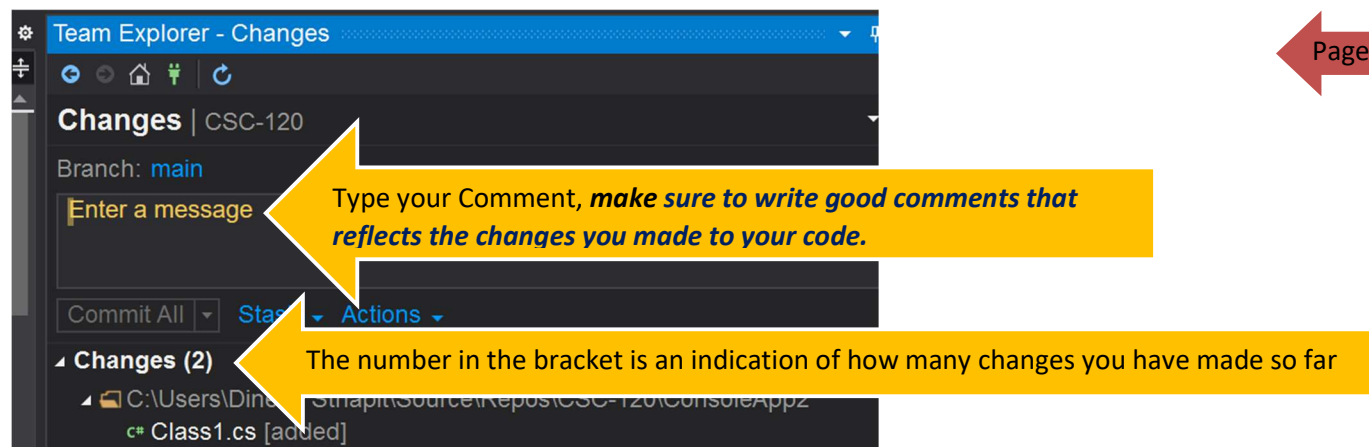
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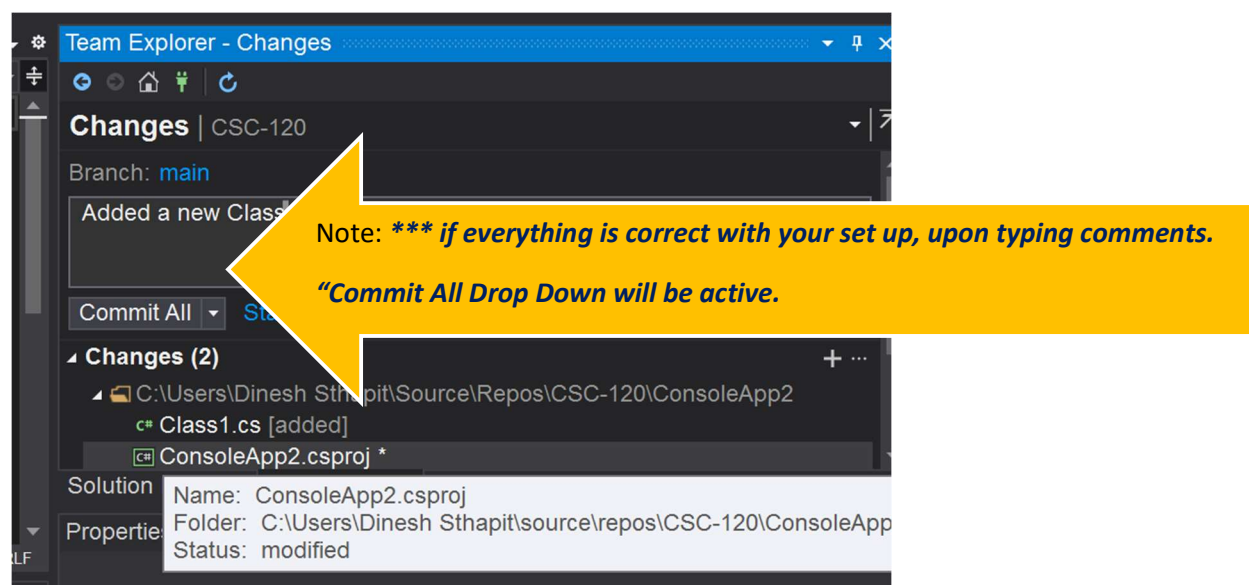
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Page 7



Code Comments Step 3: ***** if everything is correct with your set up, upon typing comments.**



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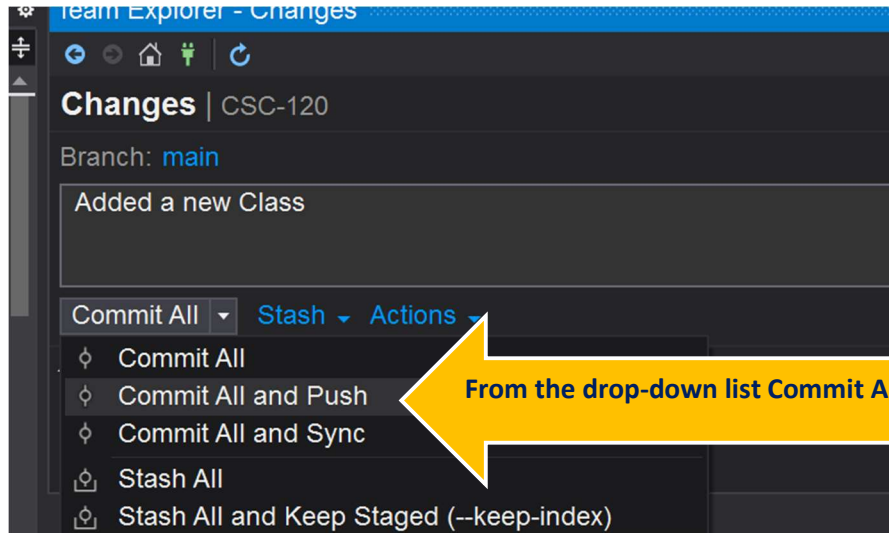
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Code Comments Step 4: Final Step From **the drop-down menu Commit All: Select “Commit All and Push”**

Page 8



Final Step: Go to GitHub and validate that your changes are reflected in the GitHub site. Copy that link. For every Assignment you only need to provide the git hub link.

“Great Job” thank you for sticking with the process.

**** All these steps are new and as you repeat it will develop a muscle memory.**

**** If you still have difficulties you can always contact me at 480 665 2332.**

Note: for every Project Assignment you only need to provide the git hub link