

## GitHub 101 Guide

### Pre-requisites:

1. [Essential] Register for a GitHub account > <https://github.com/>
2. [Essential] Install Git > <https://git-scm.com/downloads/>
3. [Recommended GUI] GitHub Desktop > <https://desktop.github.com/>
4. [Recommended GUI] SourceTree > <https://www.sourcetreeapp.com/>
5. [Recommended IDE] Visual Studio Code > <https://code.visualstudio.com/download/>

### Link to sample project:

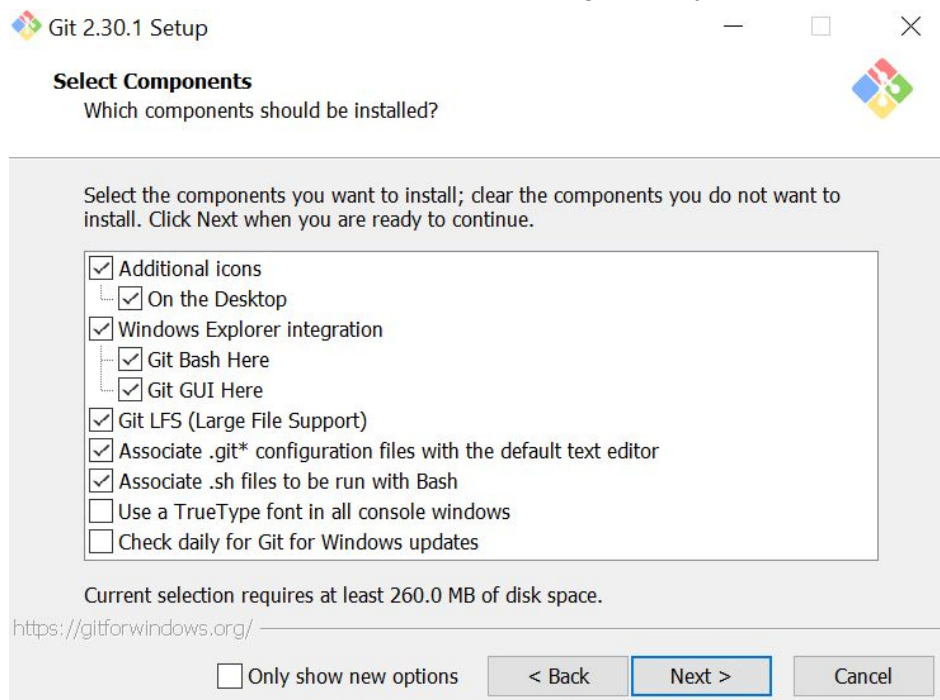
<https://drive.google.com/drive/folders/1j3iluAptiCfR6OANgE37CnRMklkXmQDz?usp=sharing>

### Walkthrough guide for installing Git

#### For windows user:

Download and run the installer. Here are some recommended installation instructions but if you know what these options do, and want to change them to suit you, go ahead:

1. For “Select Components”, check the following if not by default:



2. When prompted to choose the default editor, pick Notepad or Vim, whichever you're familiar with.
3. For “Adjusting the name of the initial branch in new repositories”, can select “Let Git decide” or override it with a name of your desire.
4. For “Adjust your PATH environment”, select: “Git from the command line and also...”
5. For “Choose HTTPS transport backend”, select: “Use the OpenSSL library”
6. For “Configuring the line ending conversions”, select: “Checkout Windows-style,...

7. For “Configure the terminal emulator ...”, select: “Use MinTTY ...”
8. For “Choose the default behavior of git pull”, select: “Default (fast-forward or merge)”
9. For “Choose a credential helper”, select: “Git Credential Manager Core”
10. For “Configure extra options”, select: “Enable file system caching”

For Mac user;

I found the following online but have yet to verify its installation process.

Install Git via Homebrew, which is a package manager for command line programs on Mac.

1. Open a terminal, which can be found at `~/Application/Utilities/Terminal.app`

2. Copy and paste this line into the terminal and hit “Enter”:

```
/usr/bin/ruby -e "$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/master/install)"
```

3. Enter the following to install Git:

```
brew install git
```

Follow any instructions in the terminal window, you may need to enter your Mac’s password or agree to questions by typing yes.

Bonus:

You can get GitHub Pro as long as you are a student >

[https://education.github.com/discount\\_requests/student\\_application](https://education.github.com/discount_requests/student_application)