AIS Technical Development Workshop 3: Getting Started with Git and GitHub
Date: Saturday, November 16, 11-1pm, Alter LL33
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AIS TD WS 3: Installation Instruction - **Git and GitHub Desktop**

Pre-Installation Information

What is Git?

- Git. Git is an open-source version control system that was started by Linus Trovalds—the same person who created Linux.
- Git is a distributed version-control system for tracking changes in source code during software development. In a simpler way, it is a tracker for all the changes in codes that happened throughout the project development cycle.
- It also gives you the ability to revert or recall changes to a file or set of files after you've made them in case you make a mistake/error (how awesome is that!)

What is GitHub?

- GitHub's main focus is on developers, who code and create the software.
- A great collaborative tool; GitHub allows developers to upload and download code to work together on broader projects
- Many businesses use GitHub for version control, due to its previously mentioned recall feature and ability to "merge" code

What is GitHub Desktop?

- A great way to use Git and GitHub in different operating systems. It unifies the experience between Mac and Window users (or any other OS users).

Notes:

- If you have any questions or issues in installing these softwares/applications, please email us for more instructions. :
    - For Mac Users: Nhi (nhi@temple.edu)
    - For Windows Users:
        - Adam (adamwolf@temple.edu)
        - Diana(diana.westerfer@temple.edu)

Installation Instruction

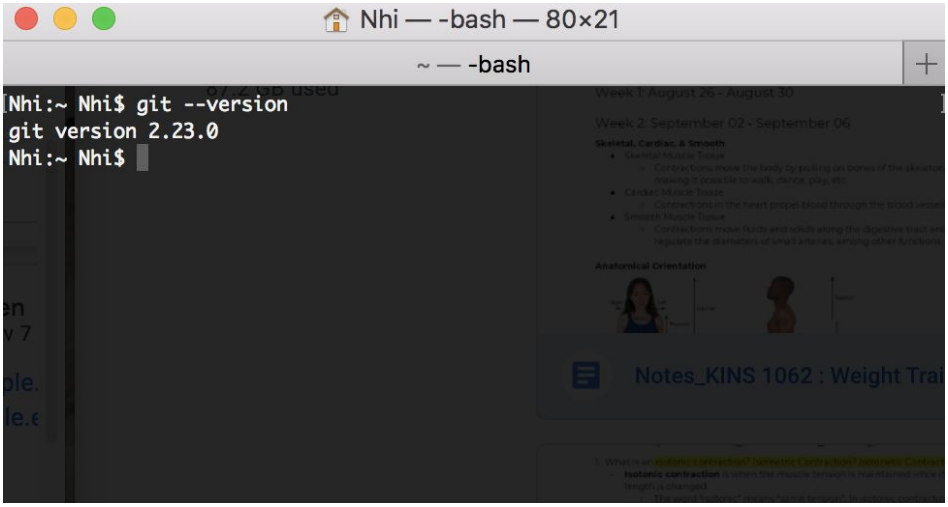
1) Download Git

- Go to https://git-scm.com/downloads
- Click downloads based on your operating systems
- Your download should automatically start.
- However, sometimes this doesn't quite work, so you have to "**click here to download manually**"

For Mac Users:

- Once the download is finished, open the **installer package**
- Double click on the yellow package
- If you've never installed Git before, you might get a message like "**this package cannot be opened because it's from an unidentified developer**" → Just click **OK**
    - Go to **Systems Preferences**
    - Click on **Security & Privacy**
    - In the **General** Tab, under **"Allow apps downloaded from"** → Select "**Anywhere**"
    - You will also see the notification about Git package at the bottom of the tab → Click "**Open Anyway**"
- Now, you just need to wait for your laptop to install Git.
    - A prompt for installation should pop up in your screen
    - Click **Continue** → Click **Install**
    - You might have to re-enter your laptop's username and password

    - Once you're done → click **Close**
- Let's check to make sure you have Git installed
    - Go to your **Terminal**
    - Type **git --version**
    - If you receive a reply back with a git version, it means that you have successfully downloaded Git!



For Windows Users:

- Once the download is finished, open the installation **.exe** file
- Allow Git to make changes to your computer
- Keep clicking next all the way through the default options
- Click **install**
- Let's check to make sure you have Git installed
    - Go to your **Terminal**
    - Type **git --version**
    - If you receive a reply back with a git version, it means that you have successfully downloaded Git!

2) Create Your GitHub Account

- If you already have a GitHub account and want to use that account, then you can skip this step.
- We suggest you use your temple email to create your GitHub account.
- Go to GitHub website: https://github.com/
- Click **Sign Up**
- Create a username, then enter your email and password
- Select the **Free** plan for individuals

- Select your interests and click **Complete your Setup**
- Login to your email to verify your email address
    - When you verify your email, it will take you to create a new repository page. **You do not have to create a repository before the meeting**.
    - So you're finished here.

3) Download GitHub Desktop

- Go to this link: https://desktop.github.com/
- Download one that suits your operating systems .
- Once it is downloaded, click **Sign in to GitHub.com**
- Enter your **username or email** and **password** to sign in. This should be the username that you used to create your GitHub Account in the previous step.
- Click **Continue**, then finish.

4) Download Visual Studio Code (if you haven't had it already)

- Visual Studio Code is an IDE (integrated development environment) developed by Microsoft for Windows, Linux and macOS. It includes support for debugging, embedded Git control and GitHub, syntax highlighting, intelligent code completion, snippets, and code refactoring.
- Simply put, it is where you can write your code!
- Most of you should have Visual Studio Code downloaded to your laptop through your project/work in our MIS classes.
- In case you haven't, please go to this website https://code.visualstudio.com/download and select the right file for your operating system.