Waialua Robotics Training Resource

Setting Up a New Computer

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2) Initial Set Up Windows 10

These following steps are for new computers that have never been setup.(If already set up proceed to slide #4)

1) If using windows 10 Proceed through set up with Basic settings language English, US keyboard
2) When you get to the point where it asks to connect to wifi press "i dont have internet" in the bottom left.
3) Use "Control Systems" as username and "science" as the password.
4) Press No on cortana and all other non required microsoft services.
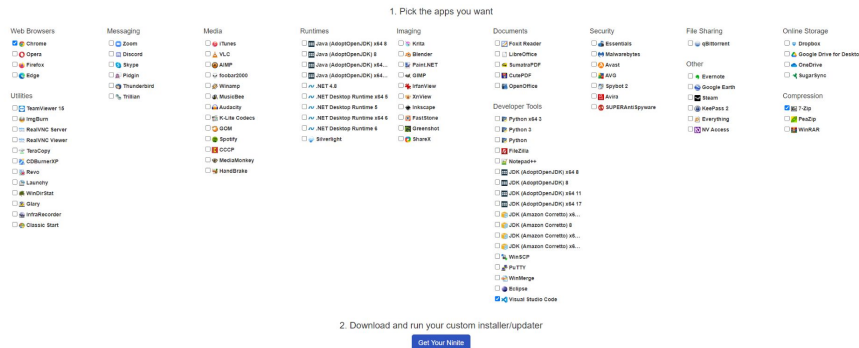5) Success you've set up windows 🎉

3) Initial Set Up Windows 11

These following steps are for new computers that have never been setup.(If already set up proceed to slide #4)

1) If using windows 11 Proceed through set up with Basic settings language English, US keyboard and do not connect to internet (wifi or ethernet)
2) Once you arrive at sign into microsoft account prompt press "Shift+f10" keys to open command prompt
3) Type "oobe\bypassnro" and press enter (the computer will restart)
4) After restart if a blue screen appears its ok press next and wait
5) Reenter language and keyboard layout and the setup process should skip the wifi step
6) Enter "Control Systems" as user name and "science" as password
7) Uncheck all microsoft services and continue
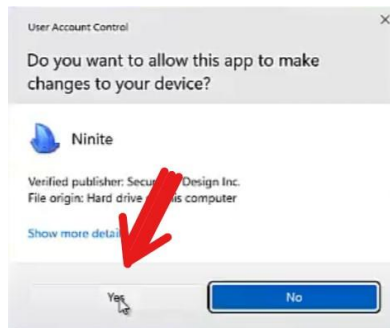8) Good Job you've successfully beaten microsoft's awful new system 🎉

4) Installation of basics

Navigate to the built in web browser and navigate to https://ninite.com/ and select the desired apps (chrome,VScode,7Zip) then press "get your ninite" and run the executable

(IMPORTANT) If the windows pop up appears that says do you trust the creator press "YES" This also applies to anytime in the future it appears
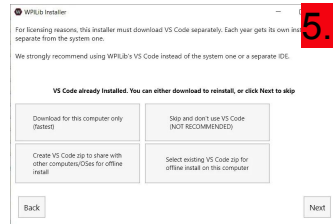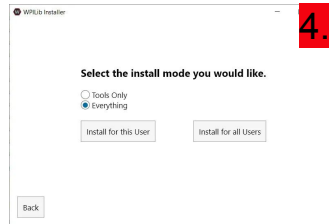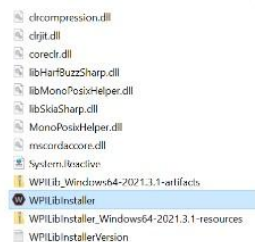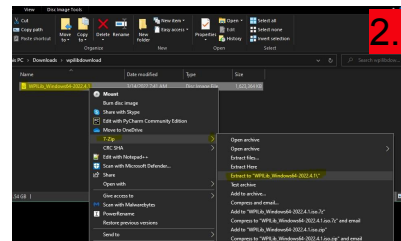
5) install WPILIB

This is what we use to program and is essentially a addon for vscode

1) Go to the bottom of the most recent release on (https://github.com/wpilibsuite/allwpilib/releases)/ wpilib github and download the win64 iso
2) Right click on file location and hover over 7zip and extract to "WPI~"
3) Open the resulting folder and run the WPI installer and press "start" on the window that opens
4) Select "everything" then "install for all users"
5) Select "download for this computer only" and press next
6) Wait for download then press finish

6) Install and set Git Bash as default

!WPILib/VScode must be installed first!
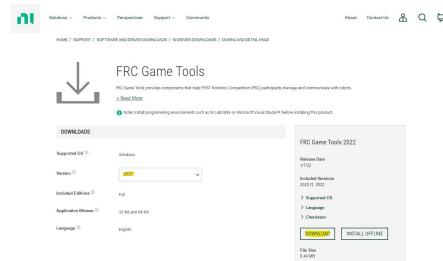
!this must be done after slide 5!

1) go to (https://git-scm.com/downloads) and press the windows button
2) Open the download file and press next on the boxes until you arrive at chosin the default editor used by git
3) Change this option to "Use Visual Studio Code as Git's default editor" and click next until you reach the end and click finish
4) Open WPILib VScode by typing into start or clicking on desktop
5) Press (control+shift+P) to open command palette and type "select default profile" and click enter
6) Select "Git Bash"

This software is not required for non driver stations but can be nice to have

1) go to (https://www.ni.com/en-us/support/downloads/drivers/download.frc-game-tools.html#440024) or search frc game tools download and look for the ni site

2) Select the current year in drop down then press install

3) Open file and select next on all options

4) When you get to activation ask a mentor to input activation key

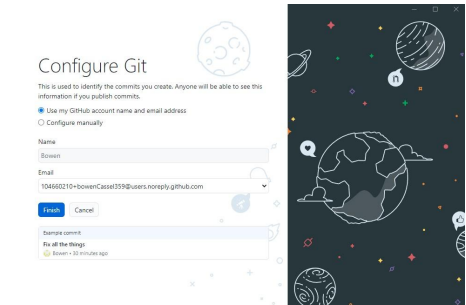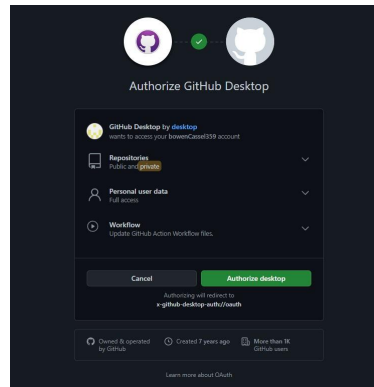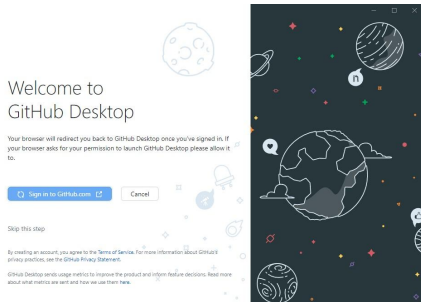5) Reboot if you want now or after installing the rest of software

1) Go to (https://docs.wpilib.org/en/stable/docs/zero-to-robot/step-3/radio-programming.html) and press "FRC Radio Configuration(current version)"
2) Extract the file with 7zip and run the executable
3) Press next on all popups

1) Go to (https://desktop.github.com/) and press download for windows 64 bit
2) Run the executable and select sign into github
3) Sign into the web window that opens
4) After returning to app Use default settings and press finish

Your done!!!!

Excellent work hopefully if you followed every step the computers up and running and ready to be programed on! It's also recommended that you restart your computer at this time.

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