Common 112 Term-Project Tech Difficulties and Debugging Help

Cannot find linter/graphic file/run file

1. Did the student put all of the files in the same folder?

Cannot find SampleFiles

1. Did the student unzip the file?
2. Make sure they are not in debugging mode. If they are somehow in a different folder and they run the debugging tool, VSCode will try to debug the code according to the folder they are in, which might not be the folder that has SampleFiles

Common Installation Debugging thoughts:

1. Try to use a different version of pip: for example, pip or pip3
2. If you run into issues, try to trace down the error message and google it!

Are you on Windows?

Windows is weird, because some of the common build tools are missing (such as the C compiler!) Some modules are written in C and need a compiler to work (for example, aubio). In order to fix this:

1. Mingw (never tried this, but heard many good things about it. It stands for Minimal GNU for Windows, so basically a tiny collection of build tools for windows user)
2. Visual Studio Build Tools. You can download this from the Visual Studio website. You can just download the c++ dev toolsets and that usually fixes the problem. It might be an overkill, but it usually works

Cannot find Tkinter

Tkinter comes with every python installation, so if you don't have Tkinter, you must have removed it somehow. The one time I had to help a student, I tried to install Tkinter through pip and stuff and it was nothing but pain. The easiest way seems to be just reinstalling Python. It doesn't take that long.
Be aware though, if you reinstall Python, you might need to reset your $PATH again.

Conda stuff

Ideas: create different environment, how to get out of environment, how to go back in, etc.