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CPSC 334
Final Conversion Project

So sorry about the delay in finishing this, I delayed starting it a super long time and then once the due date passed, I didn't continue it till today.

To convert this project, I just really had to follow the same sort of thing that we did for most of the class. Adding the makefile to run different aspects, making a build-deb script, adding the actions yml file. It was super cool to do everything again and seeing how much easier and faster I was able to do it the second time around. The package part of this project was moving the graph files and tests, as well as the pom.xml file that was needed to run everything using maven, which was set up by professor Bowers in the original class. I did all that and packaged everything using a script. Then for some of the challenges that I faced, making sure that the right version of the jdk was installed on the new VM that I set up to run the actions section, making sure that maven was installed correctly. To install the jdk, I ended up just scp-ing the deb file from my personally computer up to the VM, this let me make sure that the jdk was installed on the whole system without having to try and do any of that through github actions.

I really appreciate getting to go through the whole process on my own project because seeing how much easier it can be to package and deploy things that I create, it opens the door to make things that require a type of deployment and usability, separate to using my own machine. For example, with graduation approaching I had been wanting to design something to allow me and my friends to continue to play boardgames together. Now with being able to design something that is deployable, I think that it will be a lot easier to actually make.