

Installing Apache Ant

Step 1: Go to this link (<https://ant.apache.org/bindownload.cgi>)

- Under “1.9.15 release - requires minimum of Java 5 at runtime”
 - Download “1.9.15 .zip archive: apache-ant-1.9.15-bin.zip”

Step 2: Extract the compressed zip file

Step 3: Navigate to the folder “apache-ant-1.9.15”

- Move to the bin
- Copy the bin’s path

Step 4: Search in the Window search bar “This PC”

- Right click “Properties”
- Click on “Advanced system settings”

Step 5: In the system properties window click on “Environment Variables...”

- Under system variables click on “Path” and then click on the “Edit” button
- Then click on “New” button
- Paste in the bin’s path
- Press Ok

Step 6: In your Environment variables window and specifically under system variables

- Click the “New” button
- Add into the text field variable name “ANT_HOME”
- Paste in the bin path and remove the bin from the path
 - Ex: C:\softwares\apache-ant-1.19.5\bin → C:\softwares\apache-ant-1.19.5\
- Click ok.

Step 7: Close all the windows and your Apache Ant should be fully installed and properly configured

Gaming Library Build Script instructions

Step 1: Download the attached zip file from the email.

Step 2: Extract the zip folder in your downloads folder

Step 3: Open up your command prompt

Step 4: Move into the “CSE 201 Project GUI” folder with the following command (please enter information relevant to your PC’s set up) “`cd C:\Users\[computer’s name]\Downloads\CSE 201 Project GUI`”

- Note: The folder’s path can also be found using the file explorer.

Step 5: Enter in “**ant -d dist**”. This will compile and package a runnable executable jar file called “GamingLibrary.jar”.

Step 6: Open up a file explorer window and

- Navigate to CSE 201 Project GUI (it should be in your downloads folder)
- Navigate to dist folder
- Navigate to lib folder
- You should find the GamingLibrary.jar in here
- Double-click on it and the program should run.

Special Note: There are also other ant targets you can execute

- “ant -d run”: will just run the program (does not package into an runnable executable)
- “ant -d clean”: deletes bin and dist folders
- “ant -d build”: Will just build the project (does not run or package)