HardwareSim Installation Manual

# Step 1: Download the HardwareSim repo

The structure should look like

LogicGateVis\_Comp380/src  
LogicGateVis\_Comp380/netlists  
LogicGateVis\_Comp380/pics

# Step 2: Add a folder named “lib”

Add a folder named “lib”. Now you should have:

LogicGateVis\_Comp380/src  
LogicGateVis\_Comp380/netlists  
LogicGateVis\_Comp380/pics  
LogicGateVis\_Comp380/lib

# Step 3: yFiles Library

This project relies heavily on the yFiles visualization library. It can be downloaded from here: <https://www.yworks.com/en/products_yfiles_about.html>

You must either buy or request an evaluation version.   
I never actually bought the library and have only used the evaluation version.   
After requesting an evaluation, I received an email from yFiles which had a link to a page where I could download “yfiles-2.12-complete-eval.zip”.   
  
Once you have downloaded the yFiles library, navigate into their lib folder and copy “y.jar” into the “lib” folder created in Step 2.

# Step 4: Create project in Eclipse

1. Open Eclipse and start a create a new Java Project (Project name: HardwareSim v1.0)
   1. File > New > Java Project
2. Copy and Paste the files in HardwareSim v1.0/src to the Eclipse HardwareSim v1.0/src folder
3. Copy and Paste the folders lib, netlists, and pics into the Eclipse HardwareSim v1.0 folder
4. In Eclipse, expand the lib folder. Right-click on the y.jar file. On the right-click menu, navigate to ‘Build Path’ and click ‘Add to Build Path’
5. Click the green play button at the top of Eclipse to run.

# Step 5: Make sure it works

Click Import, then Import and select a netlist from the netlists folder. Click Play.