

Setup for Angular Classes

Hardware

- One computer for every two students with at least 1Gb of free disk space

Security needs

- Authorization to download a zip file from <http://github.com>.
- Authorization to run "npm install" to pull files from the npm repository.

Software

One or more modern browsers

Examples: Google Chrome, Firefox, Edge, Opera, and Safari. Multiple browsers will allow the student to experience browser differences.

Versions	Any - latest is preferred
Sources	<ul style="list-style-type: none">• http://google.com/chrome• http://mozilla.org/firefox• http://microsoft.com/edge
Validation steps	Open any of those browsers and browse to any site. If you can see the site, it is installed properly.

A text editor

One with JavaScript syntax highlighting and code completion would be best. Visual Studio Code is preferred. Atom, Brackets, and WebStorm are acceptable.

Version	Visual Studio Code -- 1.25 or better
Sources	<ul style="list-style-type: none">• http://code.visualstudio.com• http://atom.io• http://brackets.io• http://jetbrains.com/webstorm
Validation steps	If the editor opens, it is installed properly.

node and npm

Both of these tools are installed together as part of the same package. node is needed to create a local web server and run project setup scripts. npm is needed to download and configure JavaScript libraries.

Versions	<ul style="list-style-type: none">• node 8.9 or higher (As of Angular 7)• npm 5.5.1 or higher (As of Angular 7)
Source	http://nodejs.org/download
Installation instructions	The download page give you a choice between LTS and Current. Either is fine. LTS is preferred. Download the installer and follow the instructions provided.

Validation steps	<ol style="list-style-type: none"> 1. Open a new bash window and type in <code>node --version</code> 2. If you see a version number, node is installed properly. 3. Type in <code>npm --version</code> 4. If you see a version number, npm is installed properly.
Troubleshooting notes	If the command is not found, you may need to add the node directory to the PATH. For Windows, it is %PROGRAM FILES%\nodejs and for Unix (including MacOS), it is /usr/local/bin. These links may help you to set the PATH: http://bit.ly/Windows10Path & http://bit.ly/MacOSPath

The Angular CLI

This tool allows us to create applications and run them in development mode.

Version 9.0.6 or higher (As of Angular 9)

Installation instructions 1. Open a command line window and type in...
`npm install --global @angular/cli`

Validation steps 1. Open a new bash window and type in
`ng --version`
2. If you see the version it is installed properly

Troubleshooting notes If the command is not found, you may need to add the install directory to the PATH. For Windows, it is %APP_DATA%\ng and for Unix (including MacOS), it is /usr/local/bin. These links may help you to set the PATH: <http://bit.ly/Windows10Path> & <http://bit.ly/MacOSPath>