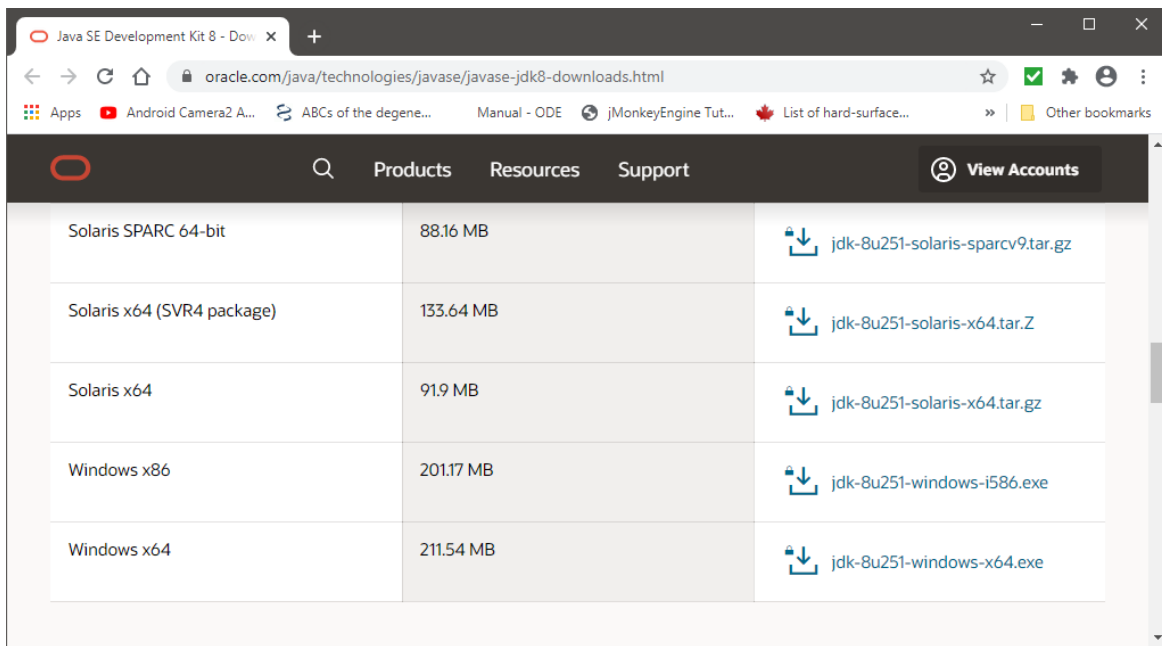


# VR\_ProgrammingBoard – Detailed Installation Instructions

**I. If you don't already have Java Development Kit Version 8 (JDK 8) installed on your system, you need it.**

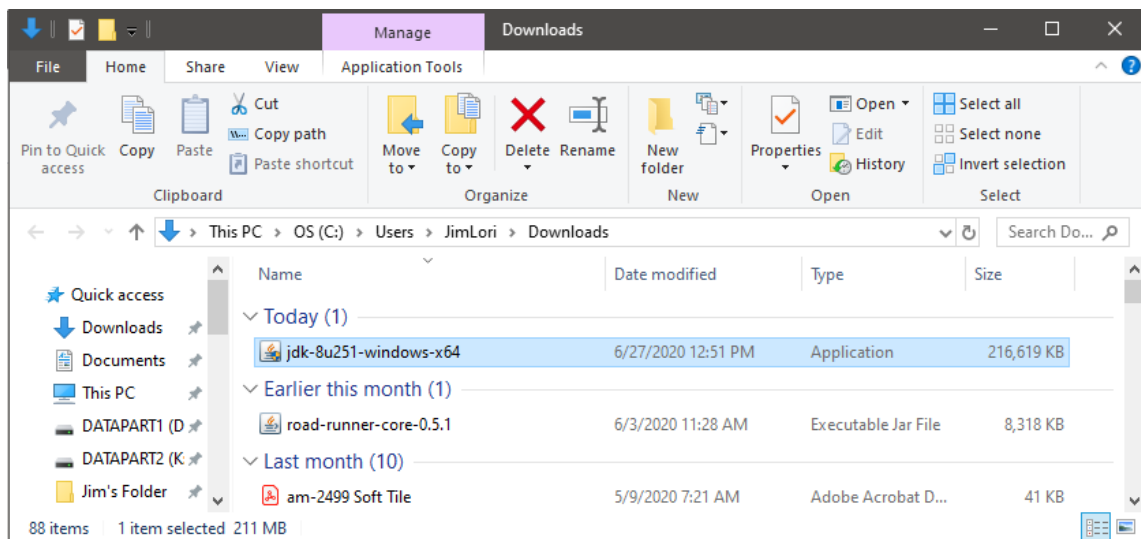
Open a browser and navigate to:

<https://www.oracle.com/java/technologies/javase/javase-jdk8-downloads.html>



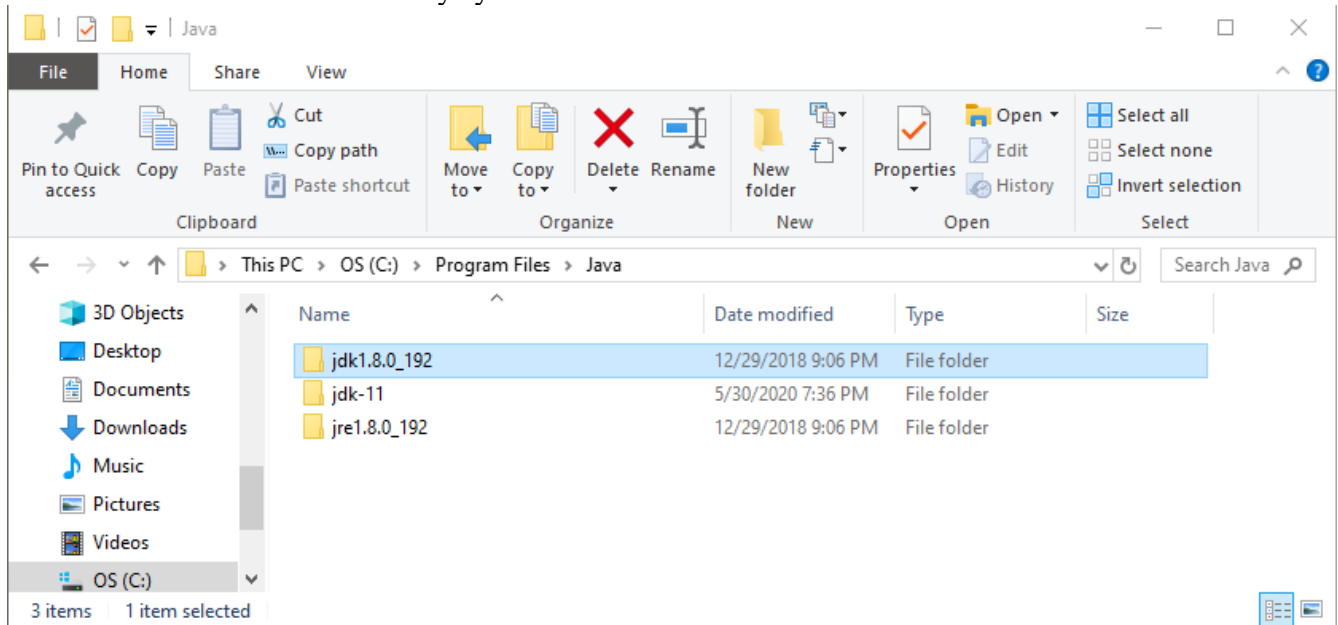
Download the appropriate JDK8 installer for your system (e.g., Windows x64). Unfortunately, Oracle now requires that you create an account for this (you will be prompted to do so), but it is free.

JDK8 installer file in my Downloads folder:



Run the installer (e.g., jdk-8u251-windows-x64.exe) that you have downloaded. This will install JDK8 on your system. You'll be prompted for the location that you want this installed to. By accepting the default, the path to the JDK8 on my system is: C:\Program Files\Java\jdk1.8.0\_192. You should find something similar.

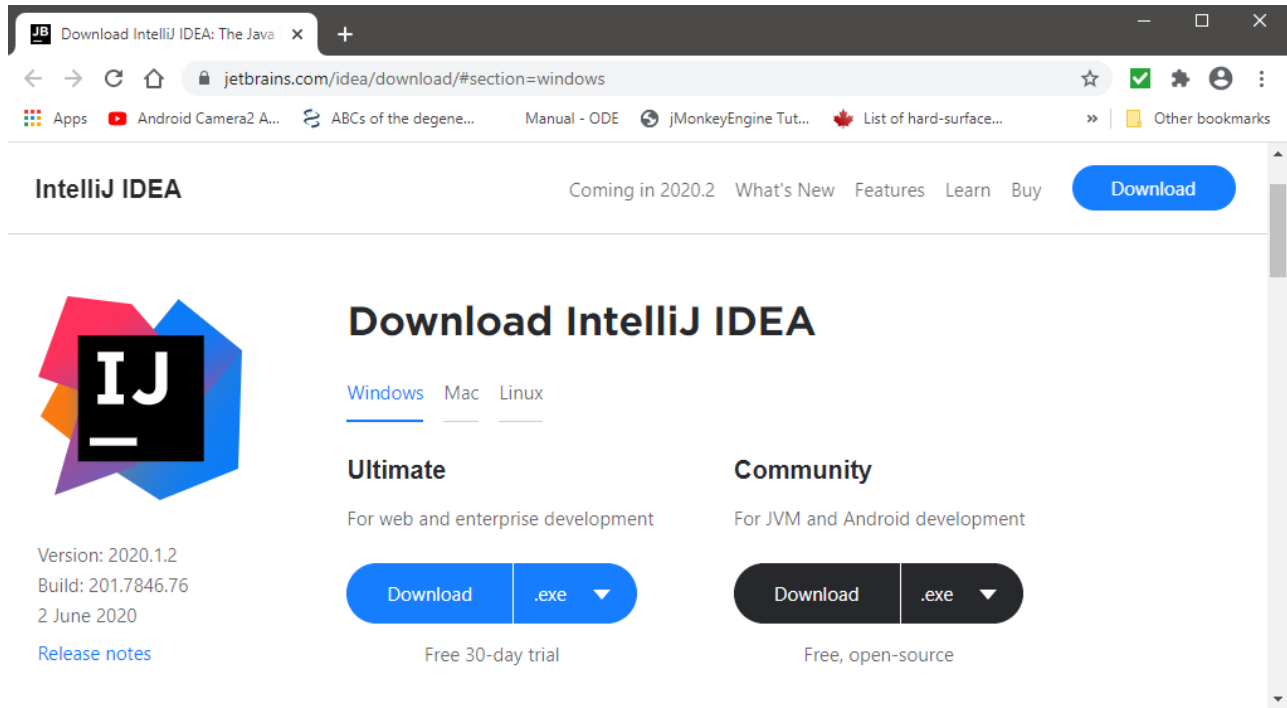
JDK8 installation folder on my system:



## II. If you don't already have IntelliJ IDEA on your system, you'll need to install it.

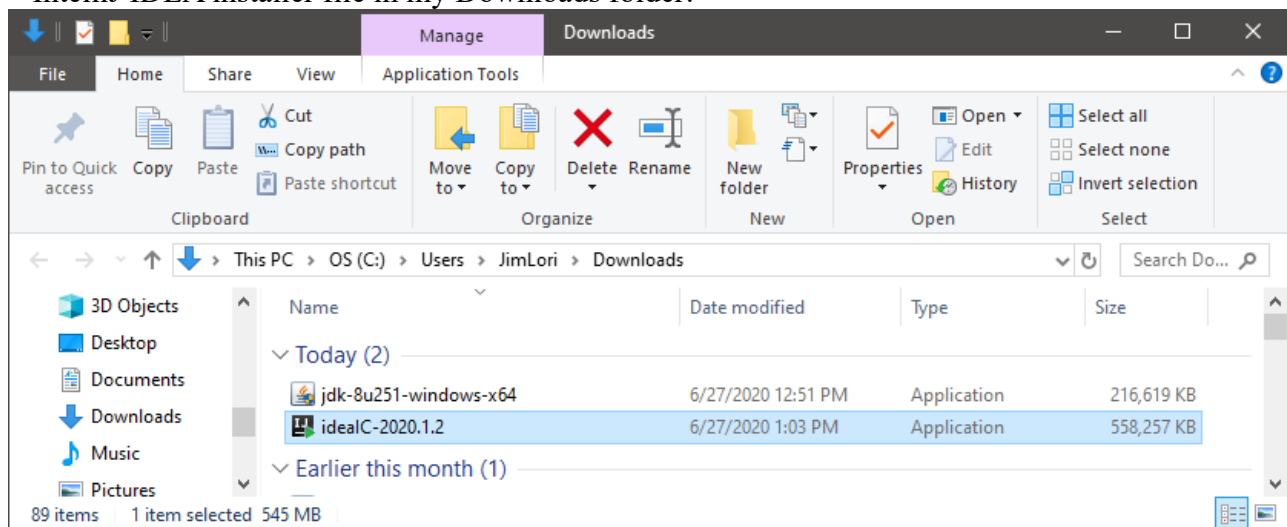
Open a browser and navigate to:

<https://www.jetbrains.com/idea/download/#section=windows>



Click to download the .exe for the free Community edition of IntelliJ IDEA. For example, this might be named idealC-2020.1.2.exe.

IntelliJ IDEA installer file in my Downloads folder:

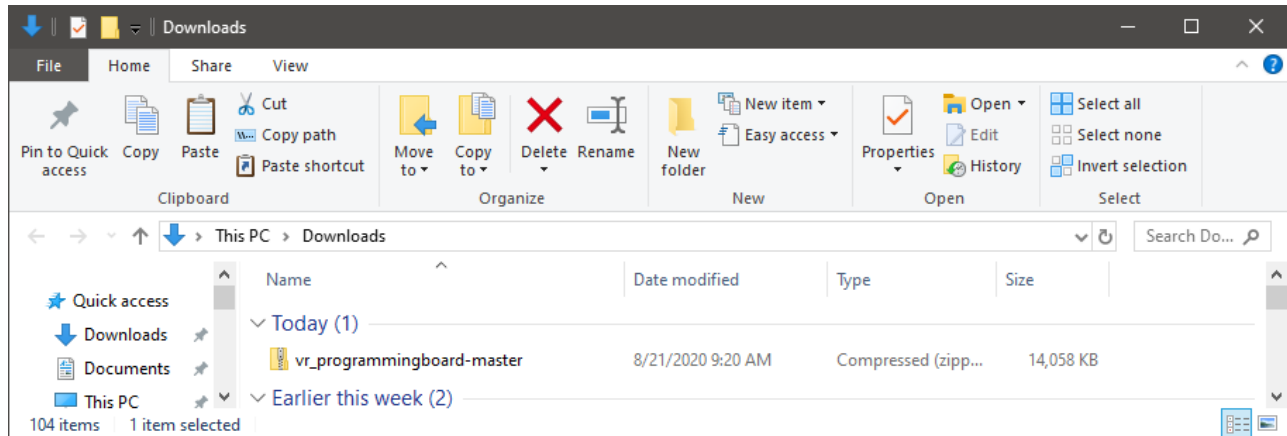


Run this .exe file to install IntelliJ IDEA.

### III. Download the VR\_ProgrammingBoard application.

It is assumed you already have a copy of the vr\_programmingboard-master.zip file within your Downloads folder (if not, ask me for a link to download it).

vr\_programmingboard-master.zip file in my Downloads folder:



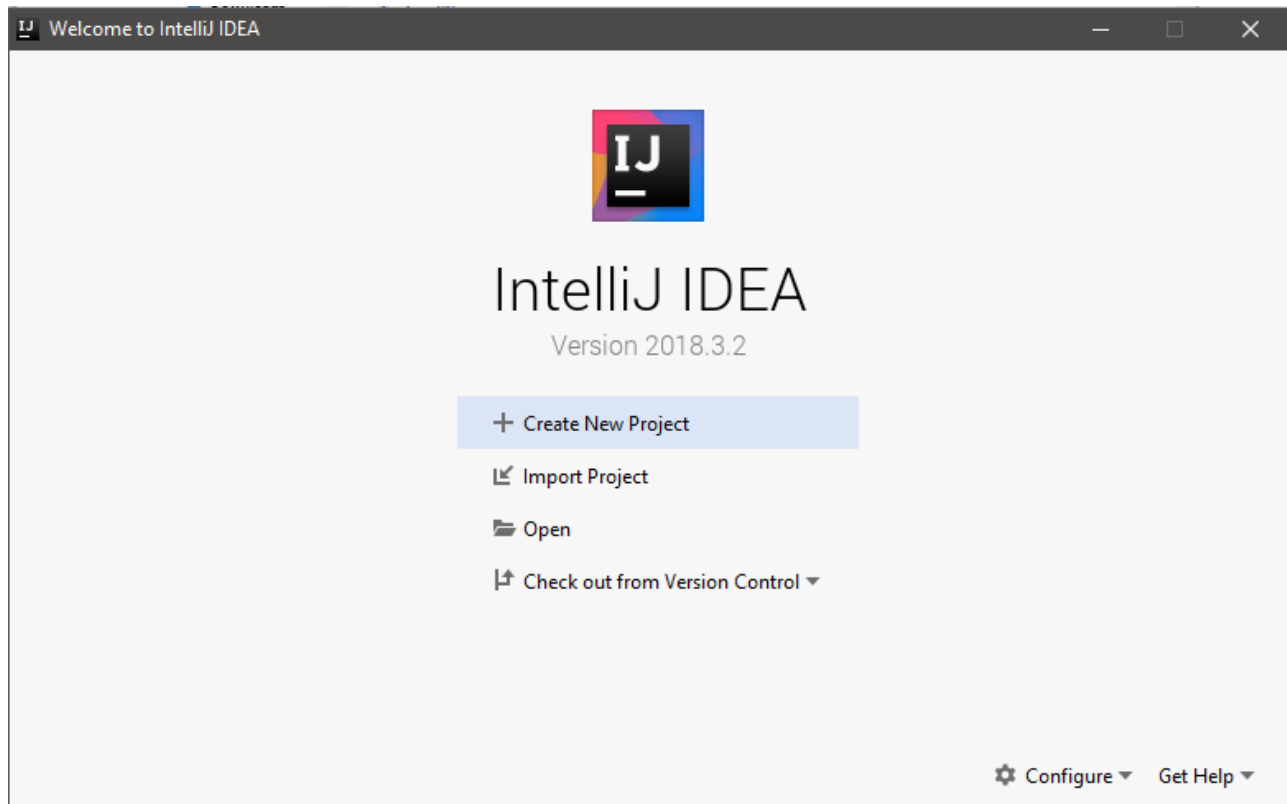
Right-click the zip folder and select "Extract all...". Extract to the folder of your choice. You'll wind up with an unzipped folder, for example: C:\Users\Me\Downloads\vr\_programmingboard-master.

Within this folder, you should find a single directory: vr\_programmingboard-master. That is the project folder. So for example, the path to the project folder might be:

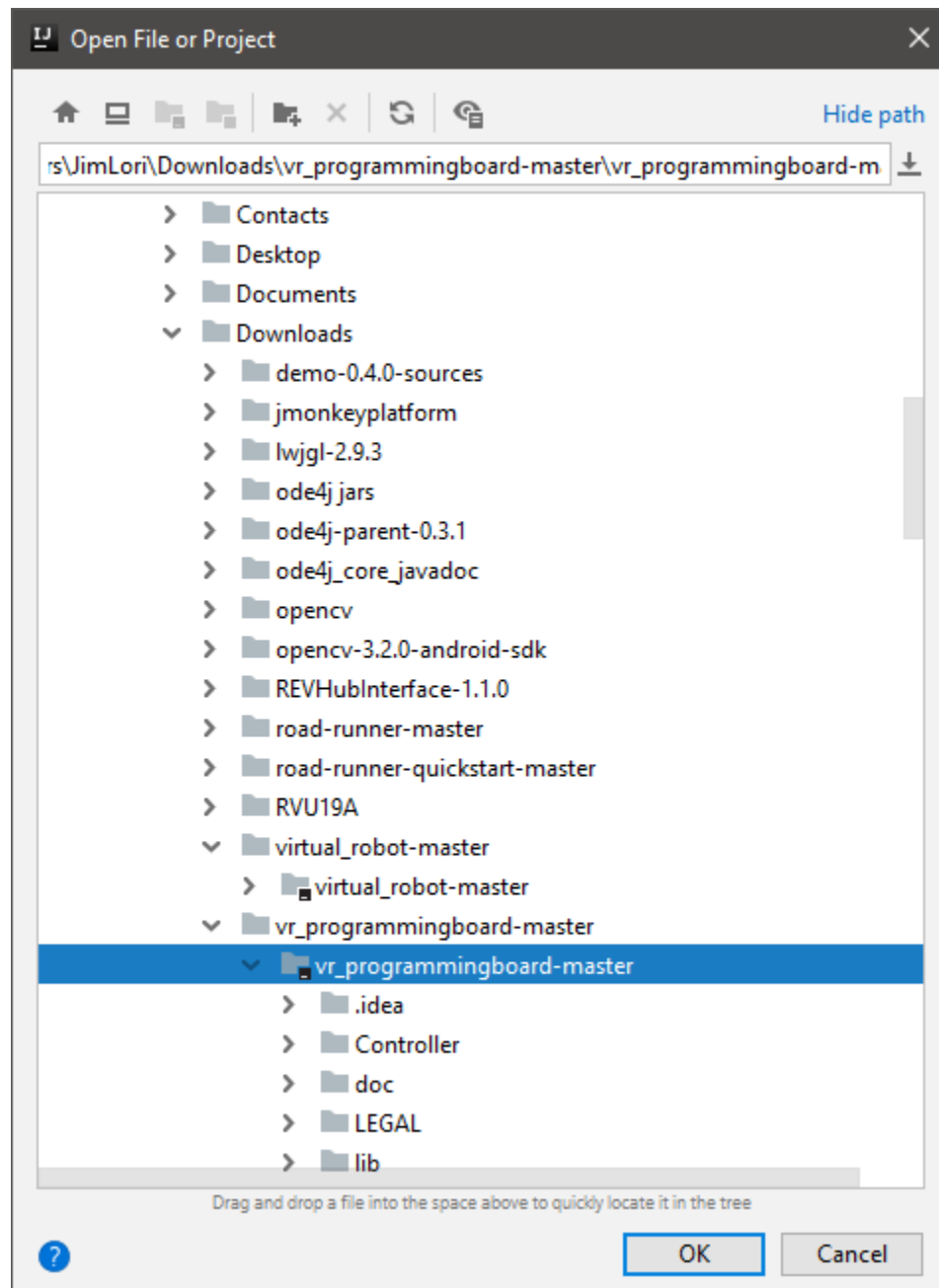
C:\Users\Me\Downloads\vr\_programmingboard-master\vr\_programmingboard-master

#### IV. Run the IntelliJ IDEA application.

If it is the first time you have run it, accept the defaults.

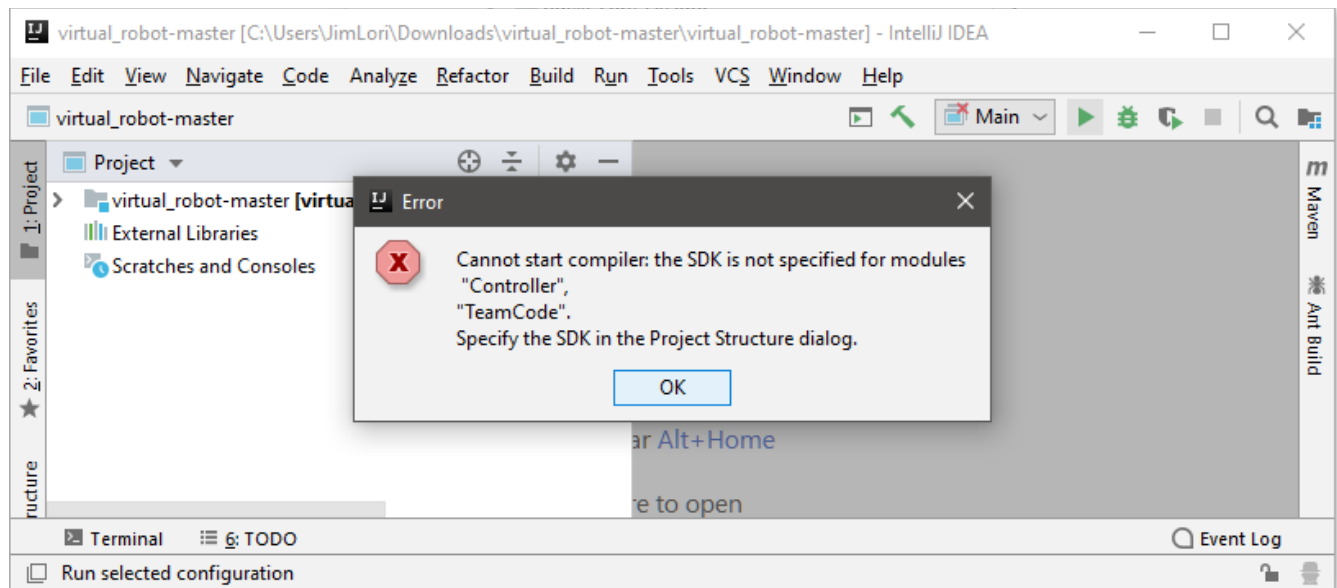


Click "Open", and navigate to your project folder, vr\_programmingboard-master. Note that if you have unzipped into a folder named vr\_programmingboard-master, then you will have another folder named vr\_programmingboard-master nested within it. The project folder is the inner one.



Click "OK", and the project will open.

**V. Click the green arrowhead to run the vr\_programmingboard app.**



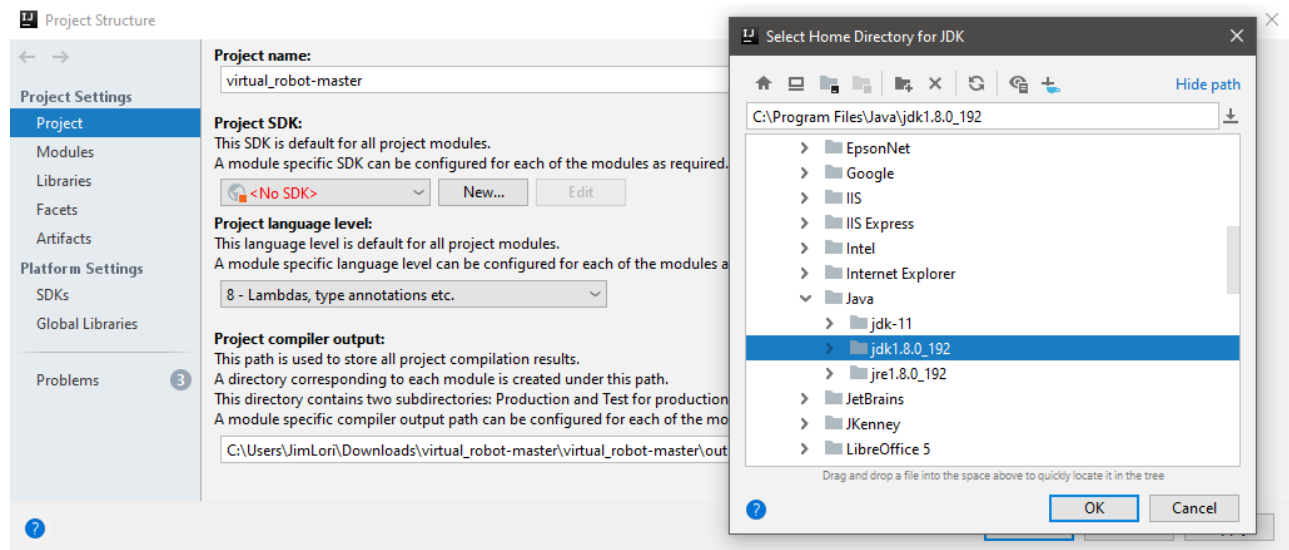
You may get an error that says you need to "specify the SDK" (meaning the JDK). If so, go to

File --> Project Structure

and select "Project".

Under "Project SDK" select "New...", then "JDK". This opens the "Select Home Directory for JDK" dialog. In this dialog, navigate to the location of your JDK8, for example

C:\Program Files\Java\jdk1.8.0\_192

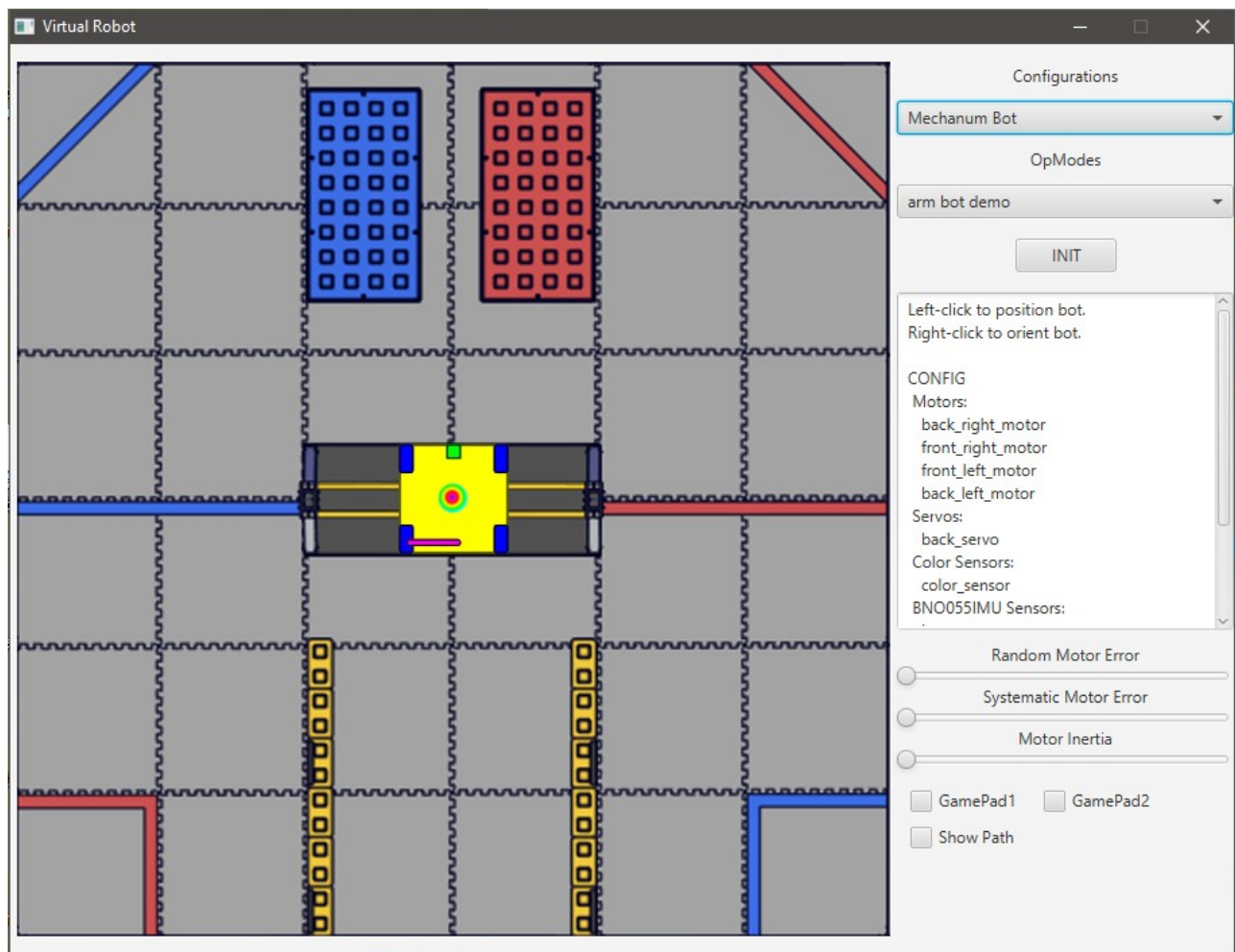


Select the appropriate directory and click OK.

Now, in the "Project Structure" dialog, click "Apply", then "OK".

Now you should be able run the app by clicking the green arrowhead.





**VI. Now you are ready to write and test your own op modes.**