The Project in your IDE (NEW)

1. Overview

The primary IDE I used for the course is Eclipse.

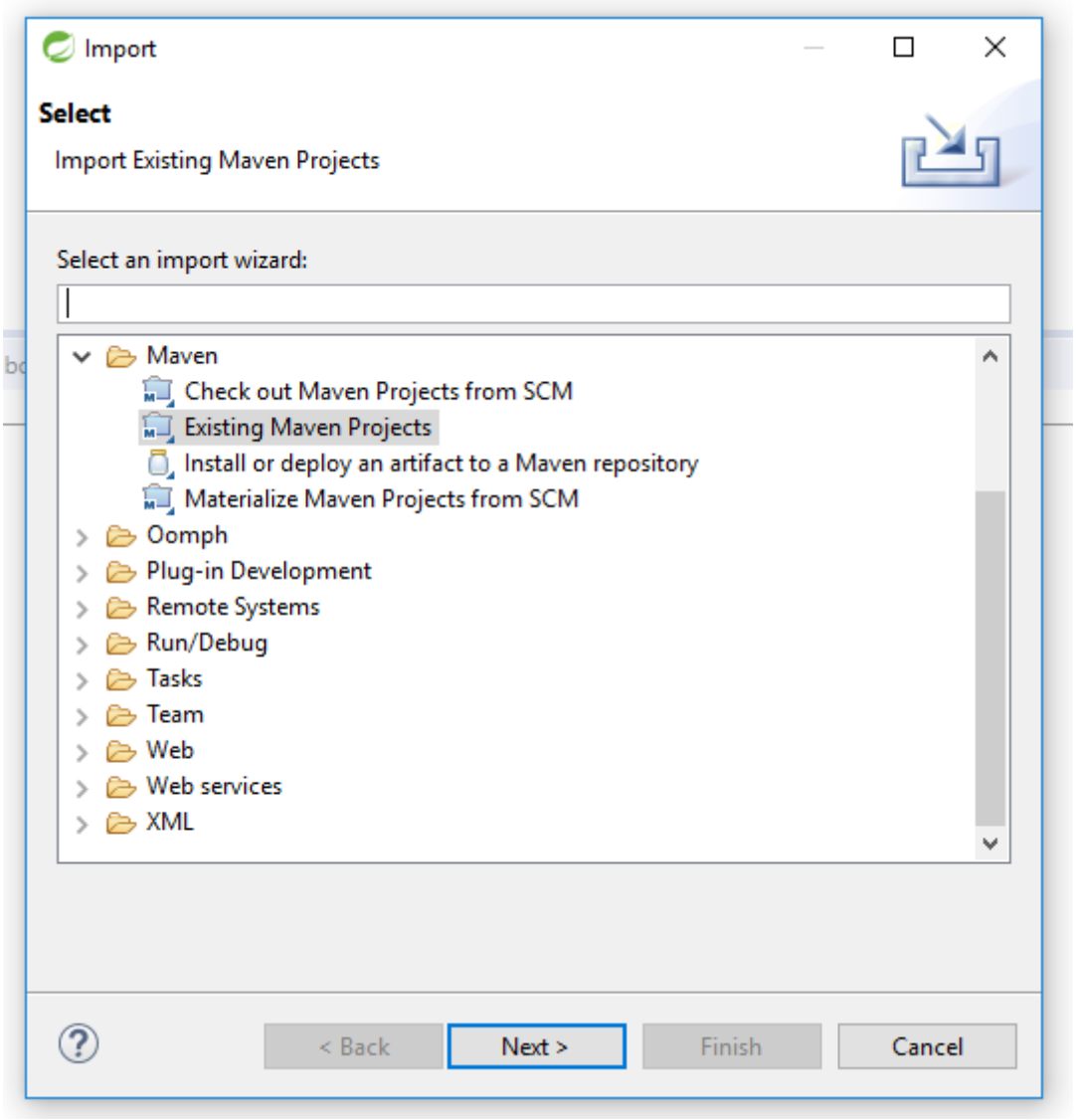
The project code is of course a Maven project, so you can use any IDE you want.

If you are going to use Eclipse, I recommend using the STS distribution. And I generally recommend using the latest version here.

2. Importing the Project

In Eclipse, there are several ways you can import a project.

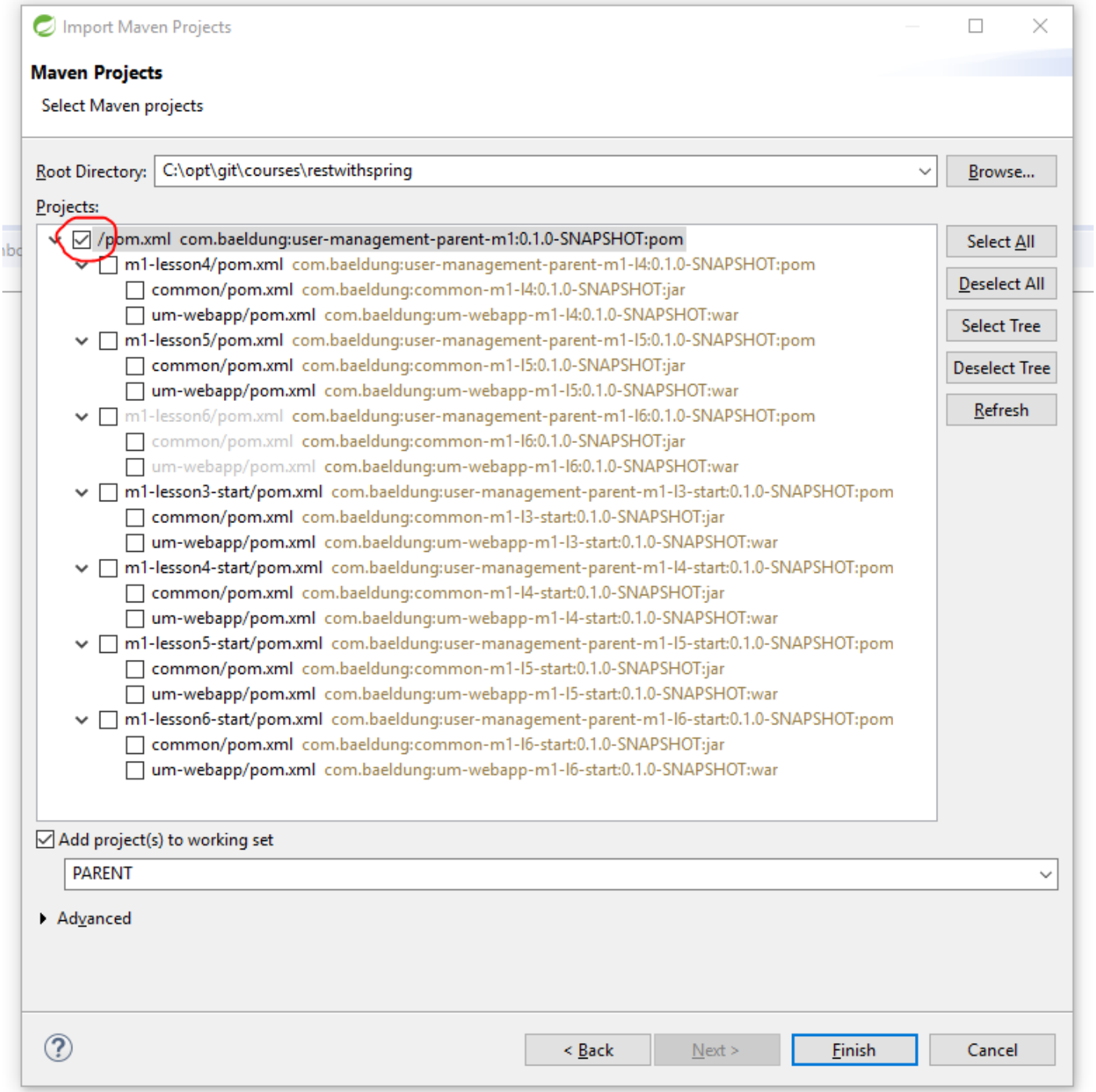
Since this is a Maven project, you can use the "Existing Maven Project" option:



2.1. Importing the Parent

Now, you can import the parent modules or you can import the individual modules of a lesson.

To run the main build, you'll need to **import the top parent**:



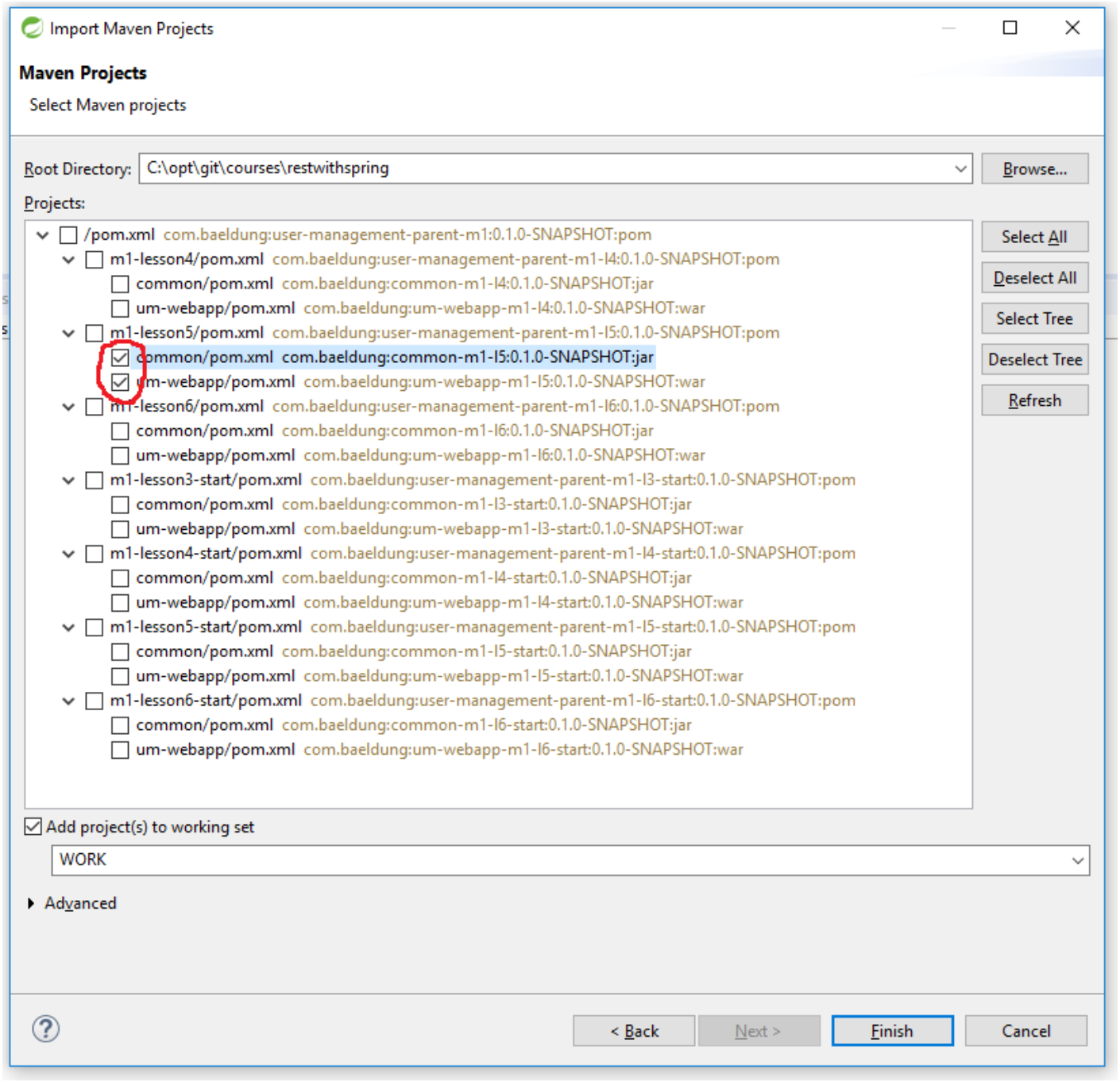
Notice how - here - I'm only importing the top parent so that we can build that.

Also notice (this is optional) - how I'm adding that to a working set called PARENT. I'm doing that because I like to keep the parent and the working modules separate.

2.2. Importing the Children

Now, you can import the children modules - the modules of a single lesson.

Let's say we want to import the final code of Lesson 5 from Module 1:



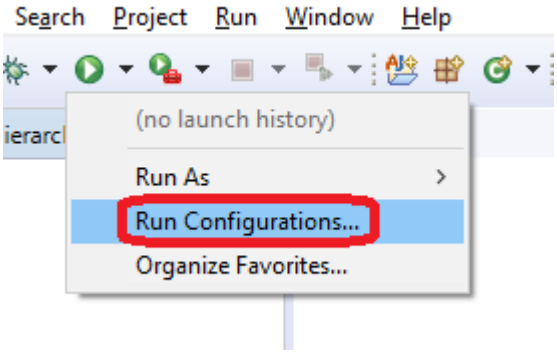
Notice how we're only importing the modules of that particular lesson.

3. Building in Eclipse

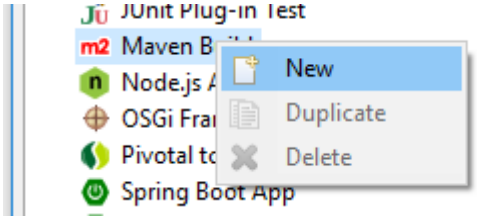
Now that we have the modules imported, it's important to know how to run a Maven build in Eclipse.

There are several ways of doing that, but I recommend following this one because it's simple and flexible.

First, let's define a Run Configuration in Eclipse:



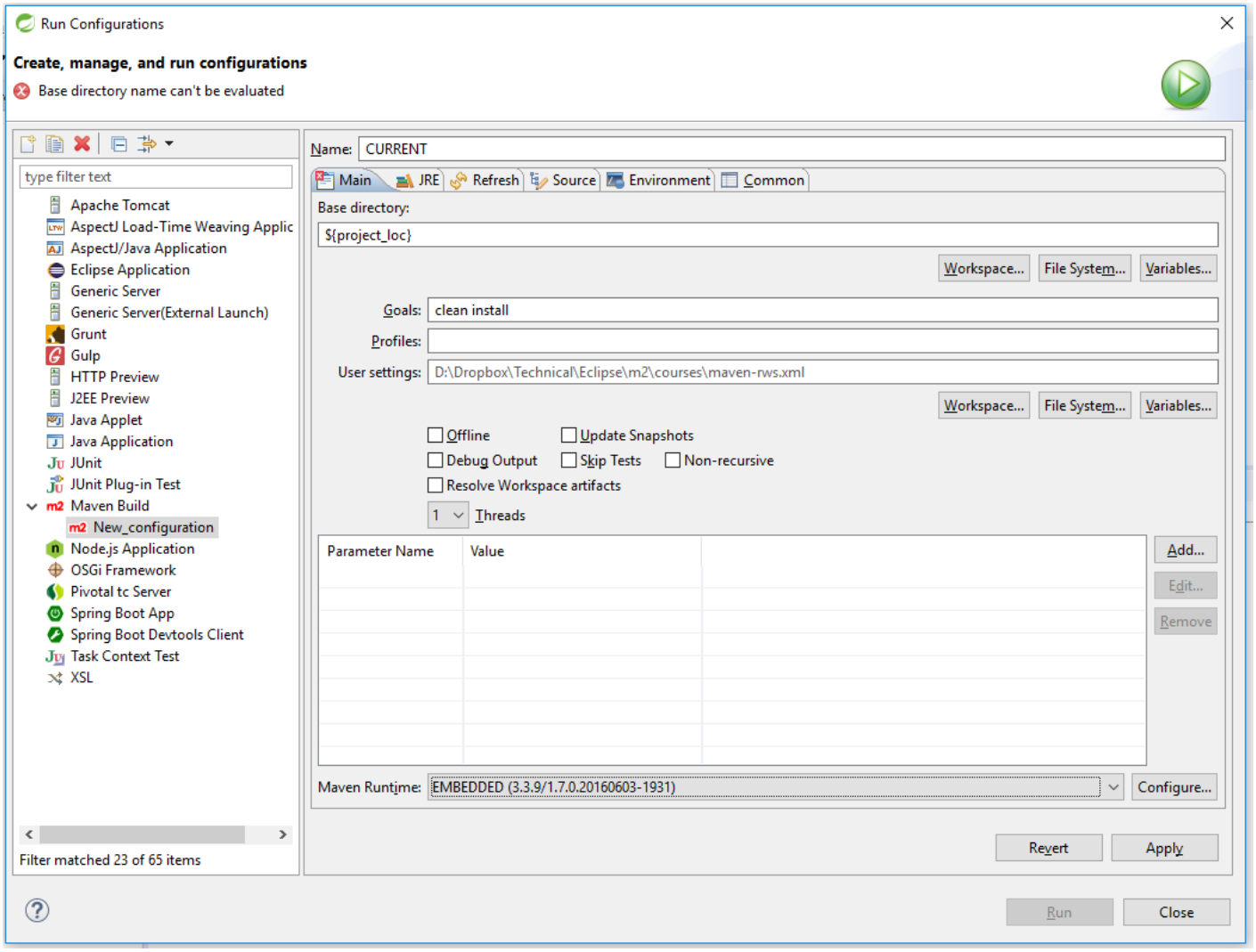
Then, create a new Maven run configuration:



Set the:

- Base directory to: *${project_loc}*
- Goals: *clean install*

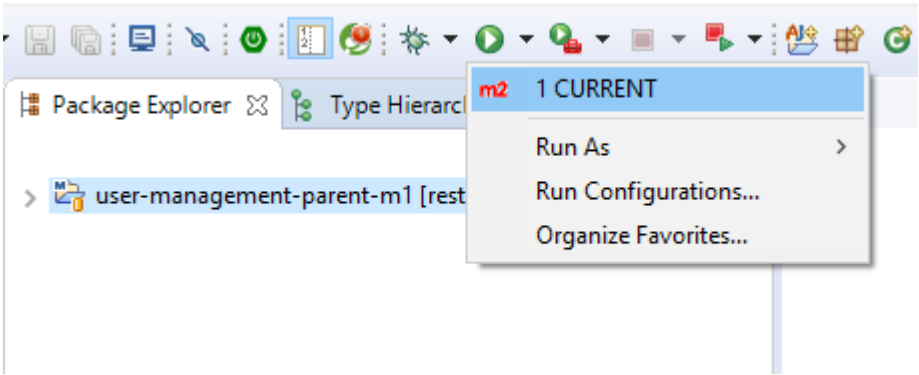
Here's what that looks like:



That's it. Now, the run configuration is ready to go and you're ready to build any project in your IDE.

What's important to understand here is the *Base directory* - that points to whatever project you have selected in your package explorer.

So - if you want to build the parent, you select the parent, and run this run config:



This is a very flexible way to define a single run configuration and use it for whatever project you have imported in your IDE.

4. Before You Start

Before you start working on a new module, make sure to import the parent of that module into your IDE like this - and run a build on it.

Don't start working if you don't have a successful build at this point.