

Installing/running Intellij-Tomcat

For the needs of subject HY-359
Giorgos Stylianakis

Requirements (1/3)

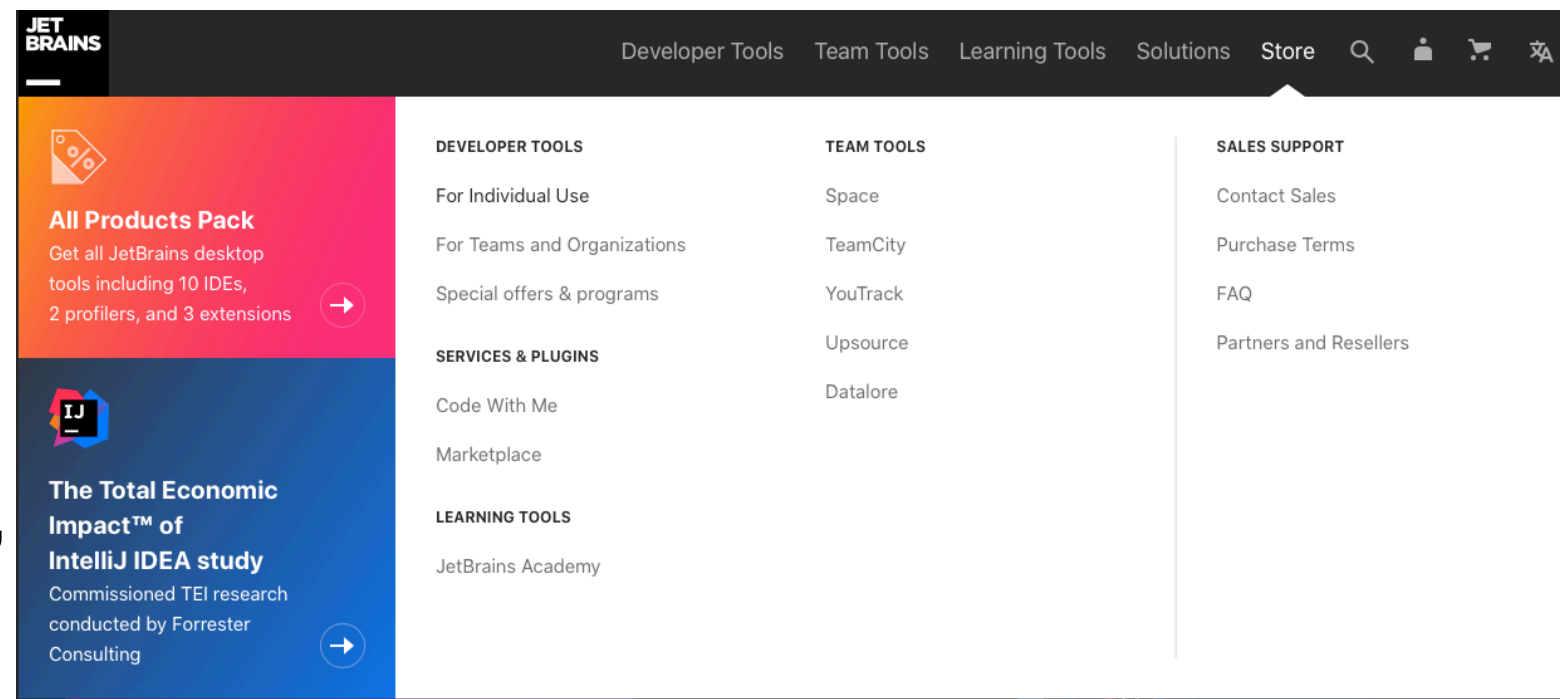
- **If you already have a JDK installed you can skip this step**
- In case you get an error “No compatible JDK was found.” or something similar you have to install a JDK to solve it.
- Any JDK may work, but in our case we are using OpenJDK <https://adoptopenjdk.net/> version 11.0.9_11
- Windows
 - Run the installer
- Linux
 - Cd Downloads
 - `tar xf OpenJDK11U-jdk_x64_linux_hotspot_11.0.9_11.tar.gz`
- A new folder is now created at /home/**username**/Downloads/jdk-11.0.9+11

Requirements (2/3)

- Register/Download IntelliJ-**ultimate**
 - intellij ultimate is a premium IDE, but all students with a valid academic mail can have it for free
 - for 1 year, after this time period you need to redo the procedure if you are still a student in any university (always using your academic account)
 - How to register:
 - Visit <https://www.jetbrains.com>

How to register

- Select “Store”
- Select “For Individual Use”



How to register

- Select “Special Offers”
- Select “For Students and teachers”
- Scroll down and select “Apply Now”

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Commercial training companies and coding bootcamps can request 100% discount coupons for JetBrains tools that allow using any single JetBrains tool for the duration of the course (up to 6 months).

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How to register

- Fill the form using your academic account
- After that you should receive a mail, so follow the procedure indicated there

Apply with: [University email address](#) ISIC/ITIC membership Official document GitHub

Status: ☒ I'm a student ☐ I'm a teacher

Level of study: Undergraduate ▼

Is Computer Science or Engineering your major field of study?
☒ Yes ☐ No

Email address: University email address, e.g. js@mit.edu

I certify that the university email address provided above is valid and belongs to me.

Name: Your **real name** as it appears in your passport, driver's license, or other legal documents.

First Name Last Name

Country / region: Greece ▼

☐ I am under 13 years old

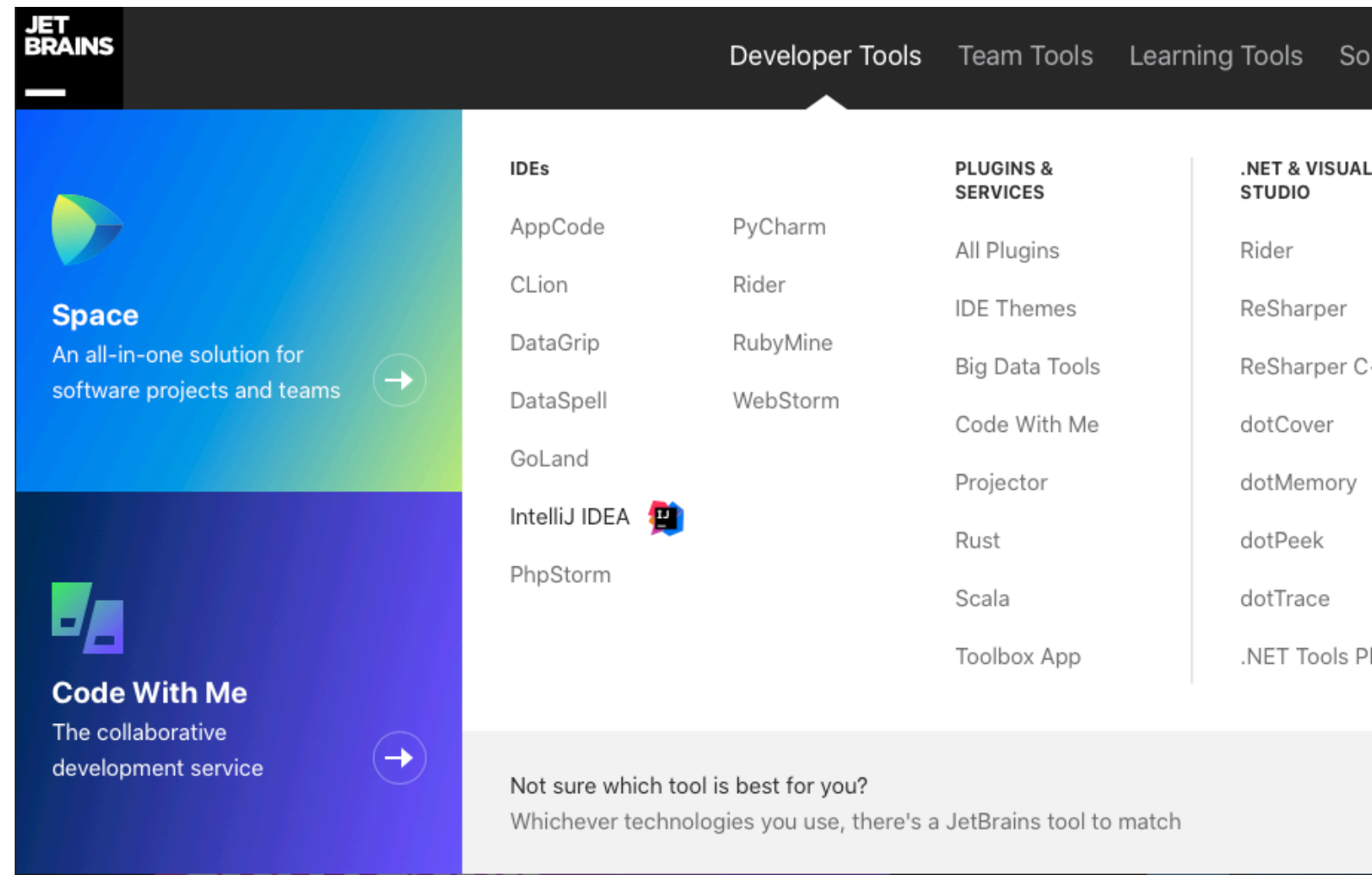
☐ I have read and I accept the [JetBrains Account Agreement](#)

☐ I consent to the use of my name, email address, and location data in email communication concerning JetBrains products held or services used by me or my organization. [More](#)

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How to download IntelliJ

- Select “Developer Tools”
- Select “IntelliJ Idea”
- Click “Download”
- Select the **Ultimate** installer for your system
- The normal IntelliJ will not work for us!



Requirements (3/3)

- Download the latest Tomcat version
<https://tomcat.apache.org/download-90.cgi>

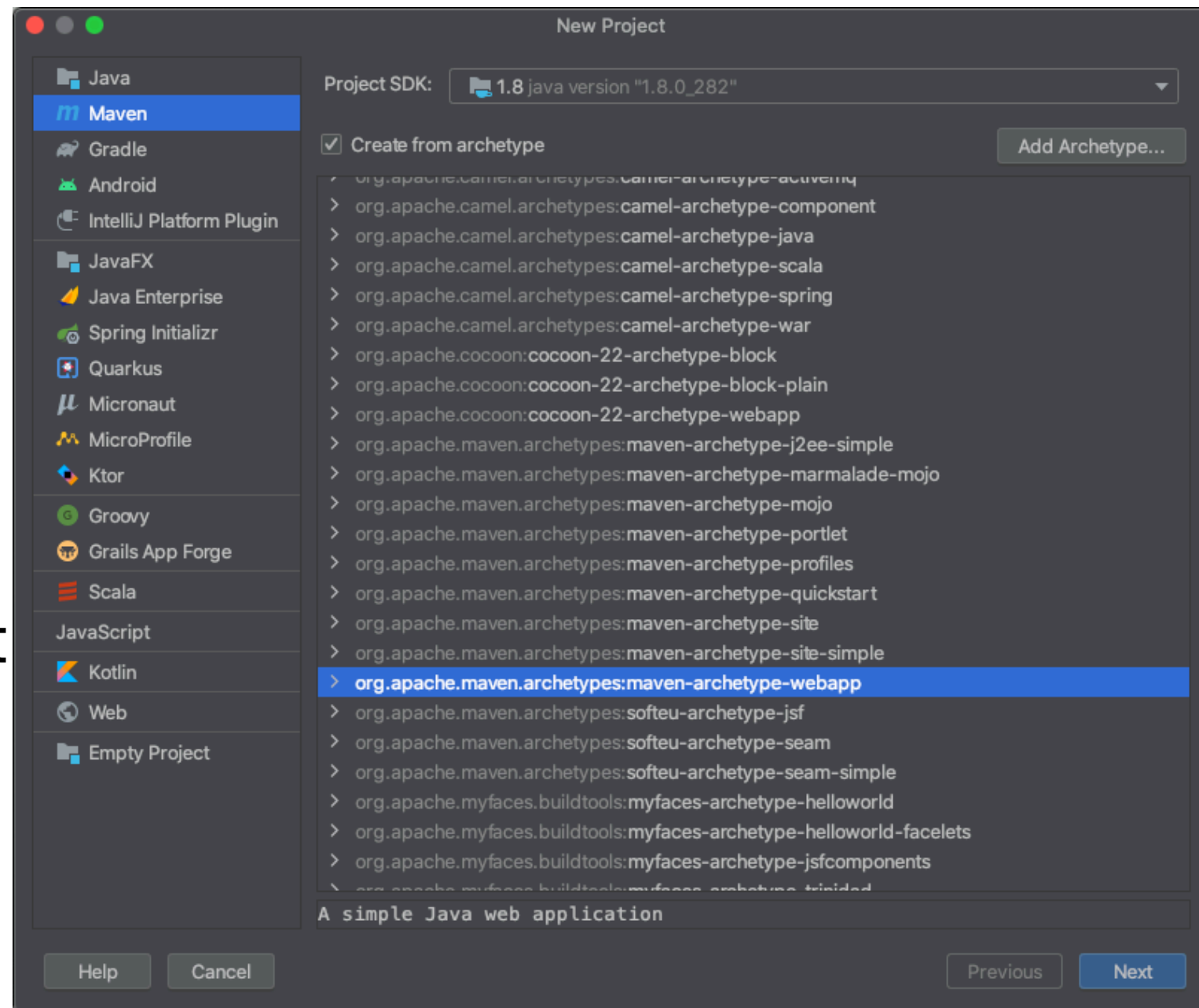
- Core:

- [zip](#) (pgp, sha512)
- [tar.gz](#) (pgp, sha512)
- [32-bit Windows zip](#) (pgp, sha512)
- [64-bit Windows zip](#) (pgp, sha512)
- [32-bit/64-bit Windows Service Installer](#) (pgp, sha512)

- Download the zip version (works for all the OSes)
- Extract it at your given path
 - On windows extract it on Desktop
 - On Linux
 - cd Downloads
 - unzip apache-tomcat-9.0.39.zip
- On both cases a new folder is created called **apache-tomcat-9.0.39**
- On Linux, cd apache-tomcat-9.0.39/bin/
- chmod +x *.sh

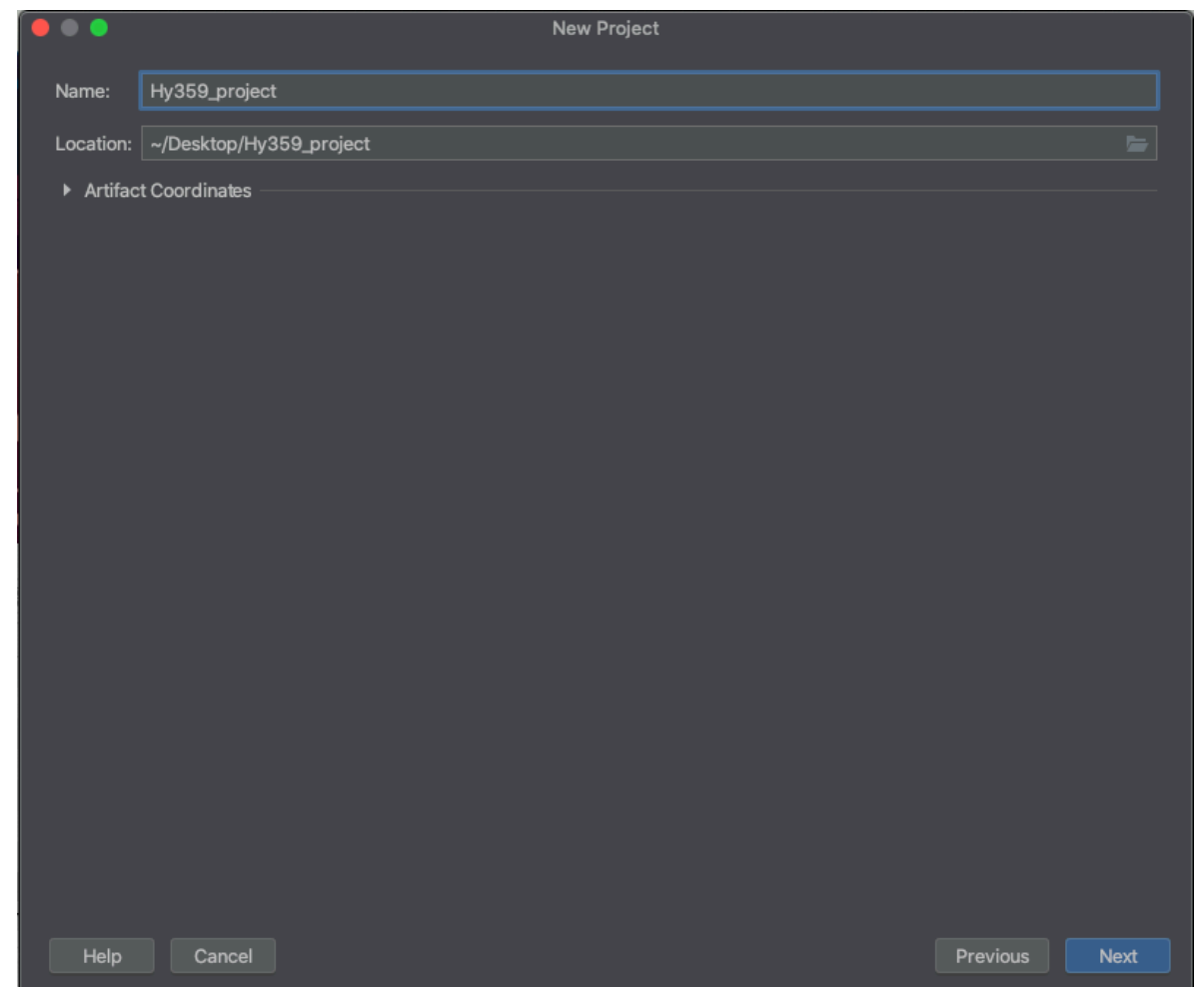
Step 1: Create a maven project

- Start IntelliJ
- Select “New Project”
- Create a Maven project as indicated

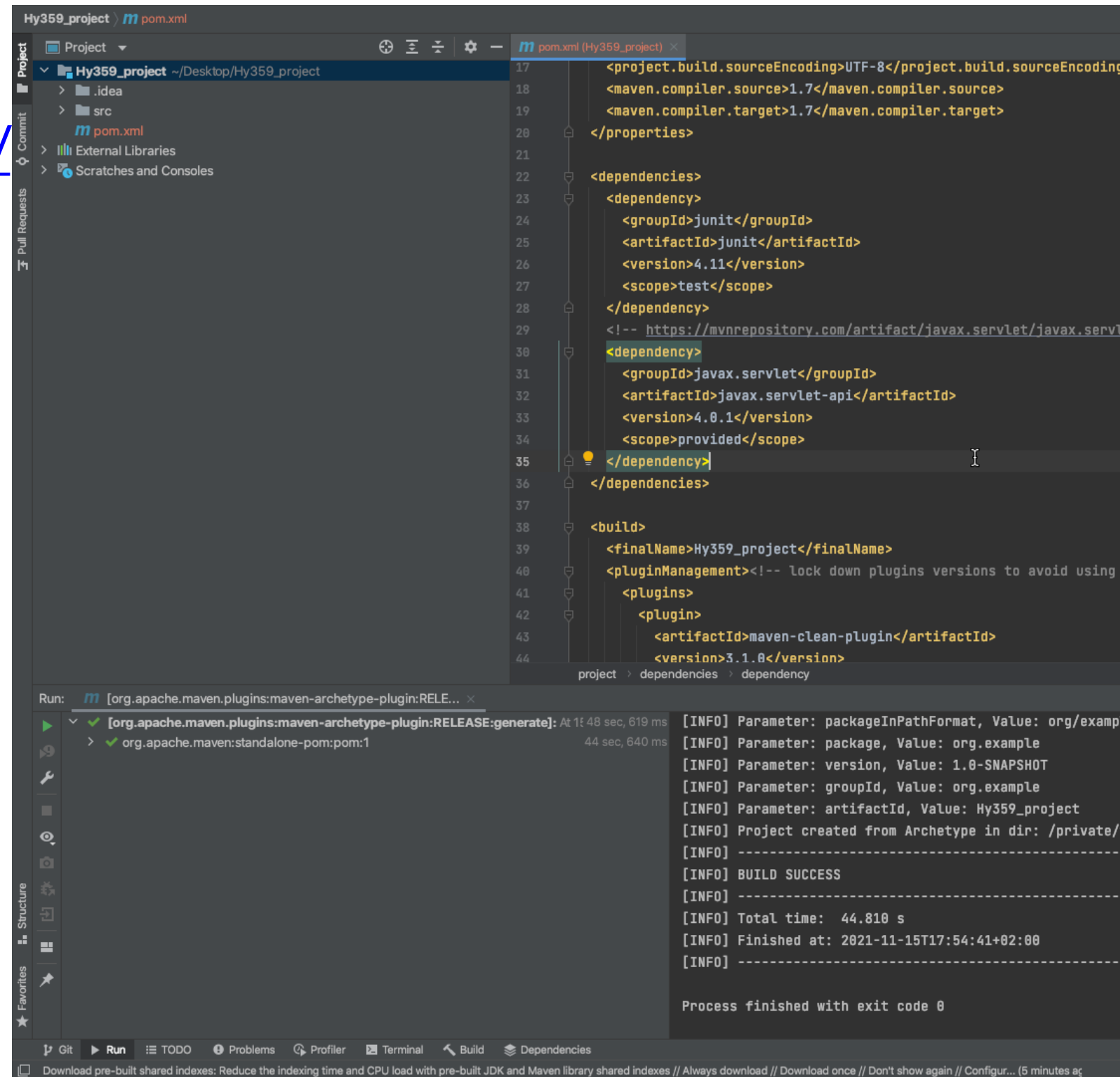


Step 1: Create a maven project

- Give it a name and select “Next”
- On the next tab just select “Finish”
- Wait for the IntelliJ to generate the project

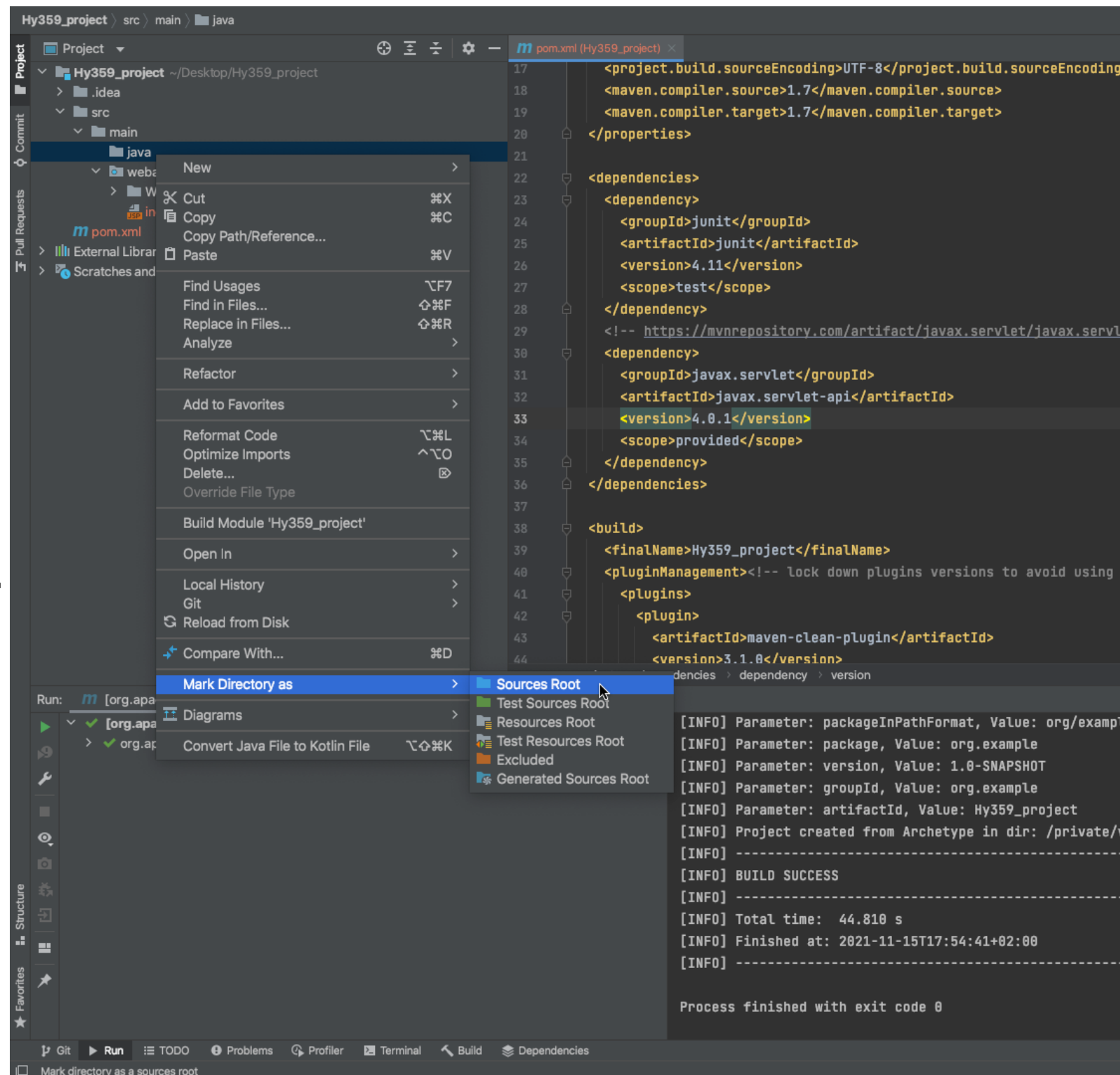


- Go to <https://mvnrepository.com/artifact/javax.servlet/javax.servlet-api/4.0.1> and copy the dependency code inside the maven tab
- We add this dependency in our pom.xml



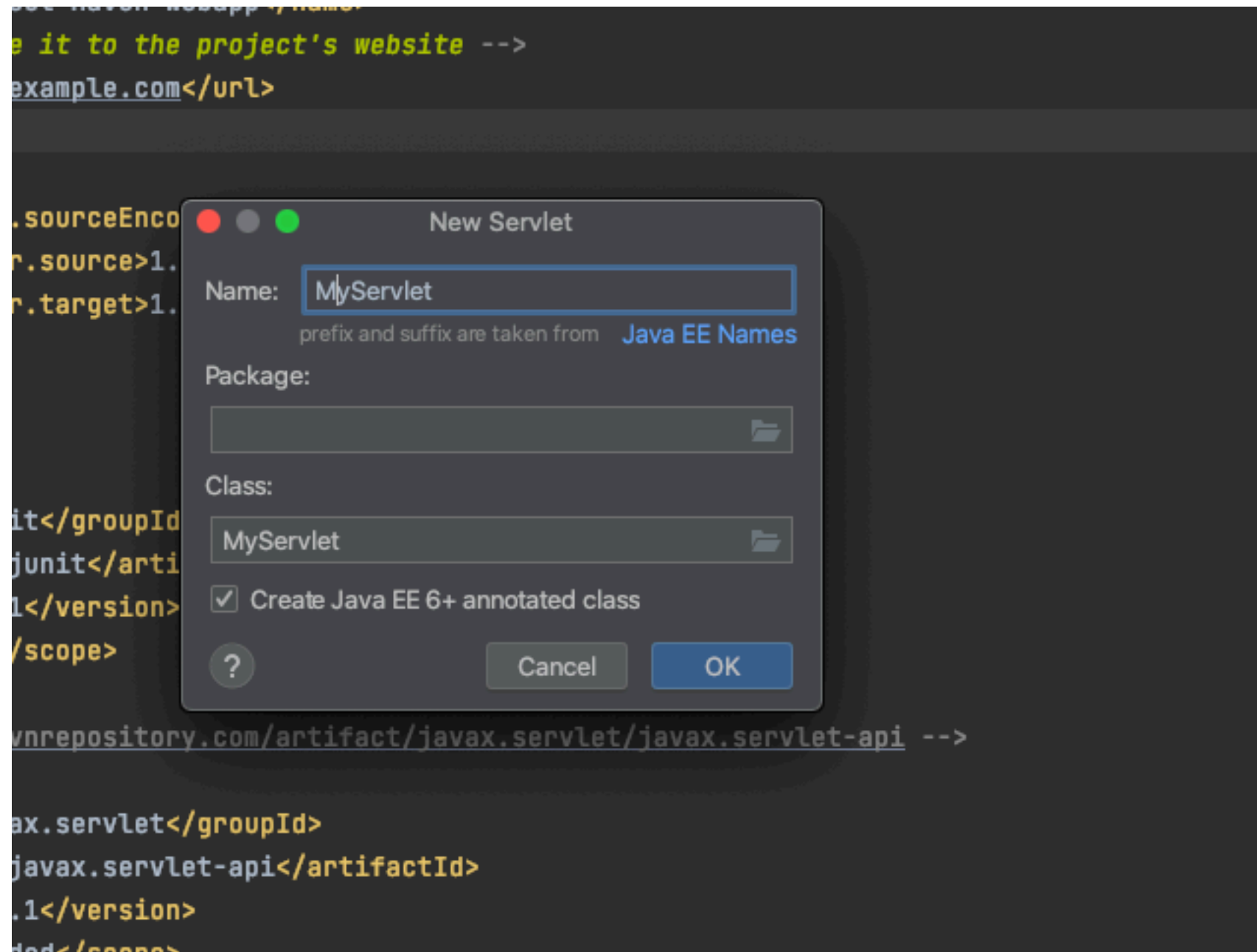
Step 2: Create a servlet class

- Create a directory named java inside the src.main folder.
- Right Click that folder and set it as source root



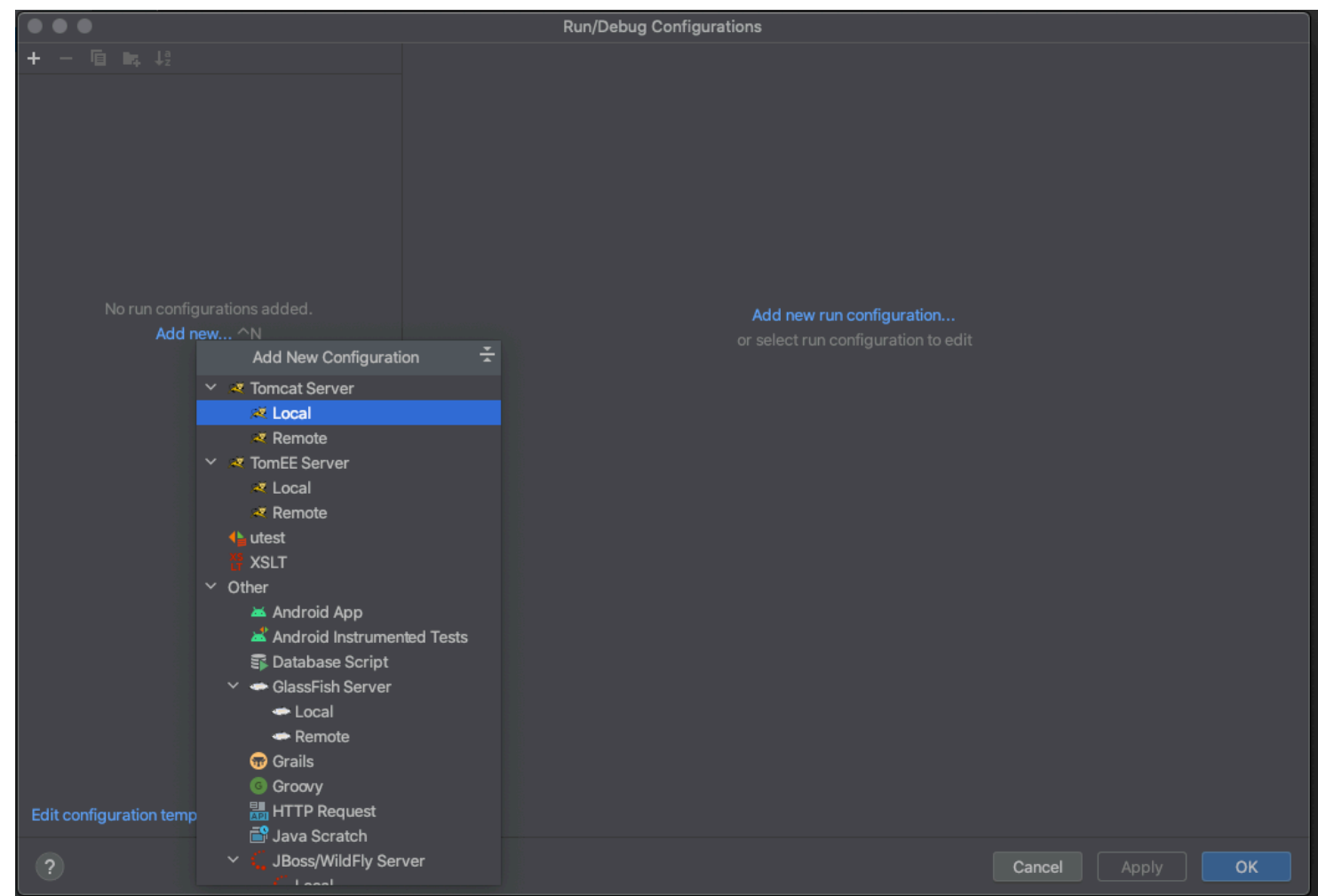
Step 2: Create a servlet class

- To create a new servlet:
- Right-click the java folder
- Select “new” & “servlet”
- Give your Servlet a name
- Select “Ok”
- The servlet is **created** inside the java dir!



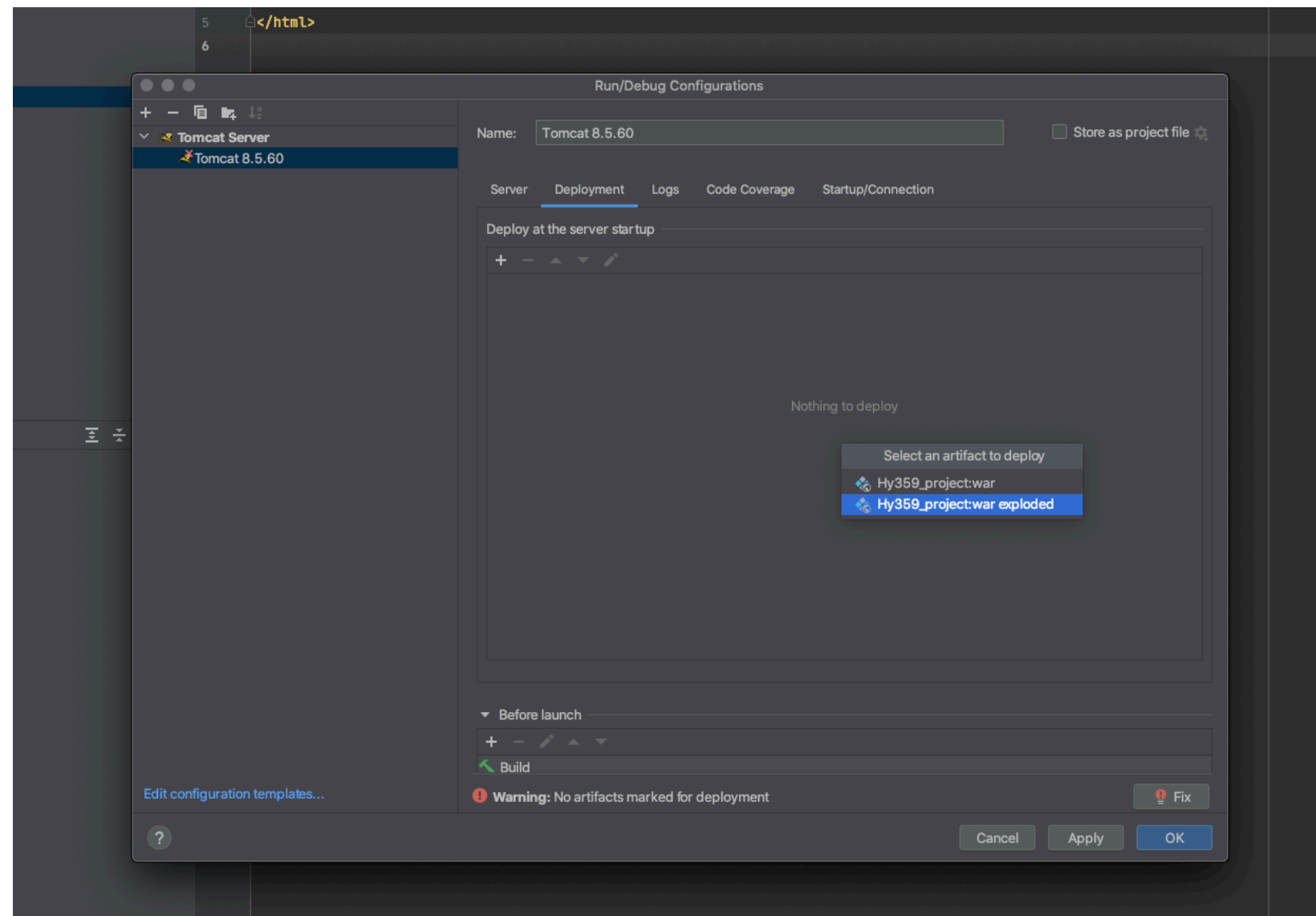
Step 3: Run the project with tomcat

- Select “add configuration”
- Select “add new” on the left tab
- Find “Tomcat Server” select “Local”



Step 3: Run the project with tomcat

- Click on “fix” on the bottom right
- Select the artifact “project_name:war exploded”
- Press Ok. A Tomcat server is now ported into our project!
- To run you web app click on the play Button ! (A browser should pop up)



Hello World!

Redirecting to MyServlet...



Useful links

- <https://medium.com/@backslash112/create-maven-project-with-servlet-in-intellij-idea-2018-be0d673bd9af>
- <https://stackoverflow.com/questions/47620056/cannot-create-servlet-in-intellij-ultimate-edition>