# Development Environment Setup Guide

# Install JDK

1. Download latest stable Java SE 7 from here:

[http://www. oracle.com/technetwork/java/javase/downloads/index.html](http://www.oracle.com/technetwork/java/javase/downloads/index.html)

1. Install to **C:\jdk1.7**

# Install Maven

1. Download latest stable Maven 3 from here: <http://maven.apache.org/download.html>
2. Unzip to **C:\maven**

# Configure Maven Security

1. Edit **~/.m2/settings.xml** (might have to run maven for the first time so that it creates this file, e.g. **mvn –version** from DOS) and then add the following credentials to the file:

<servers>

<server>

<id>purebred-private-snapshots</id>

<username>customer</username>

<password>51Z6Yl6z</password>

</server>

</servers>

Note: these credentials have been defined on our Nexus server: <http://www.purecrud.com/nexus/>

# Set up Environment Variables

1. MAVEN\_HOME= C:\maven
2. M2\_HOME= C:\maven
3. JAVA\_HOME=C:\jdk1.7
4. Add to PATH: %MAVEN\_HOME%\bin;%JAVA\_HOME%\bin

# Install Jetty

1. Download latest stable Jetty 7 from here: <http://download.eclipse.org/jetty/>
2. Unzip to C:\jetty

# Become Project Collaborator on GitHub

1. Create account at <https://github.com/>
2. Ask me to add your username as a collaborator for project:

<https://github.com/juanosuna/purecrud-sample>

# Install Intellij

1. Download Ultimate version from here: <http://www.jetbrains.com/idea/download/index.html>
2. After install, go to **File:Import Settings** and import **settings.jar** downloaded from here: <https://github.com/juanosuna/purecrud-sample/blob/master/extra/intellij_settings.jar>

(Note: you will have access, once added as collaborator)

# Install PureCRUD Sample Application

You can do this outside or inside Intellij.

## Outside Intellij

1. Go to project page: <https://github.com/juanosuna/purecrud-sample>
2. Click **Downloads** button to download project as a zip. Unzip to **C:\Projects\purecrud-sample**.
3. Open DOS window in the root of the project and type following commands:

* **maven clean install**
* **maven jetty:run**

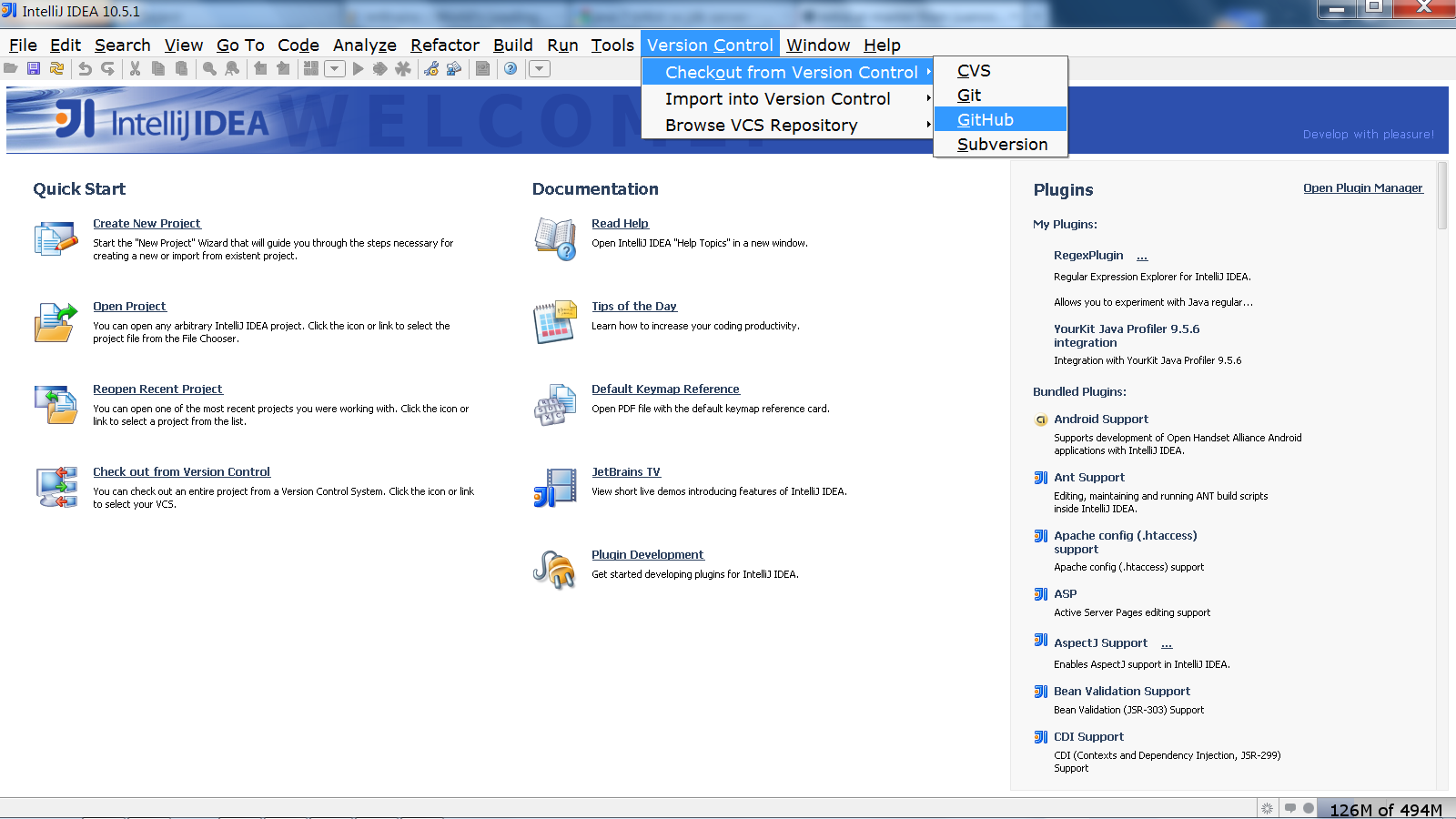
Note: running these commands for the first time could take 10-15 minutes to download all the dependencies. Not all downloaded dependencies are actually used in the project. Maven just aggressively caches libraries in ~/.m2/repository.

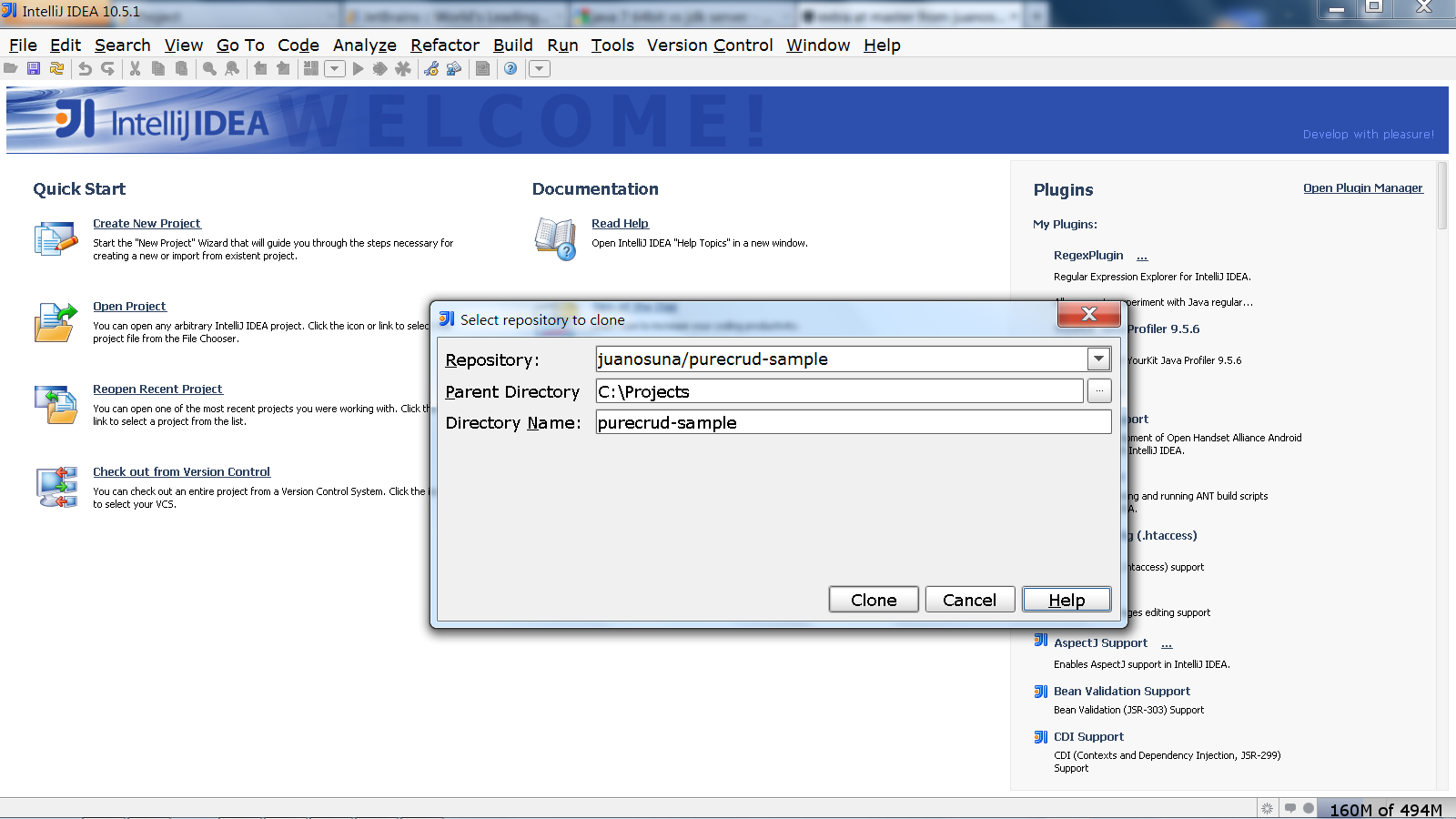
1. Access application URL: <http://localhost:7001/sample/app>

## Inside Intellij

The process will clone the GitHub project repository locally, allowing you to use the project under version control.

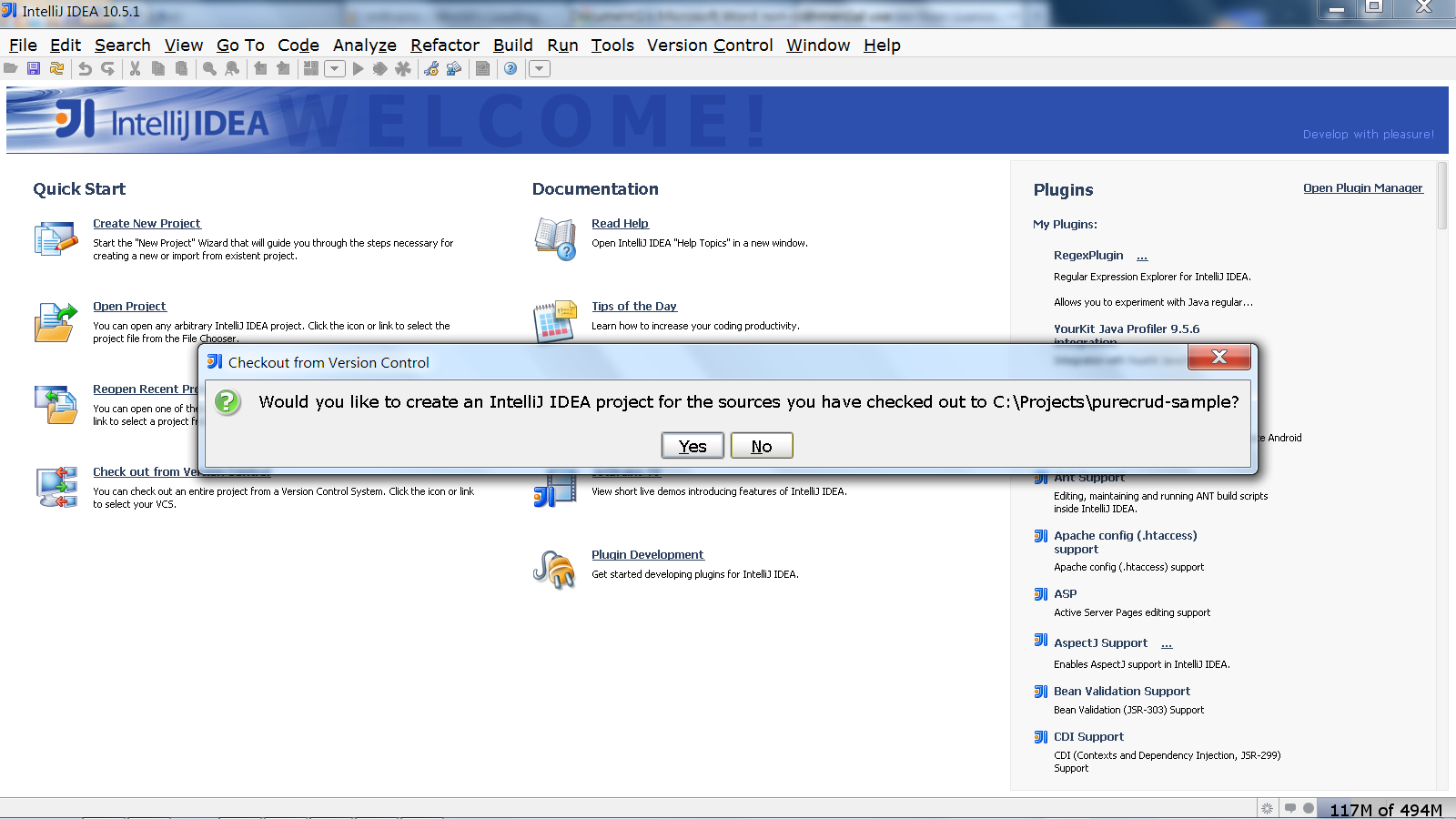
1. Check out project from GitHub:



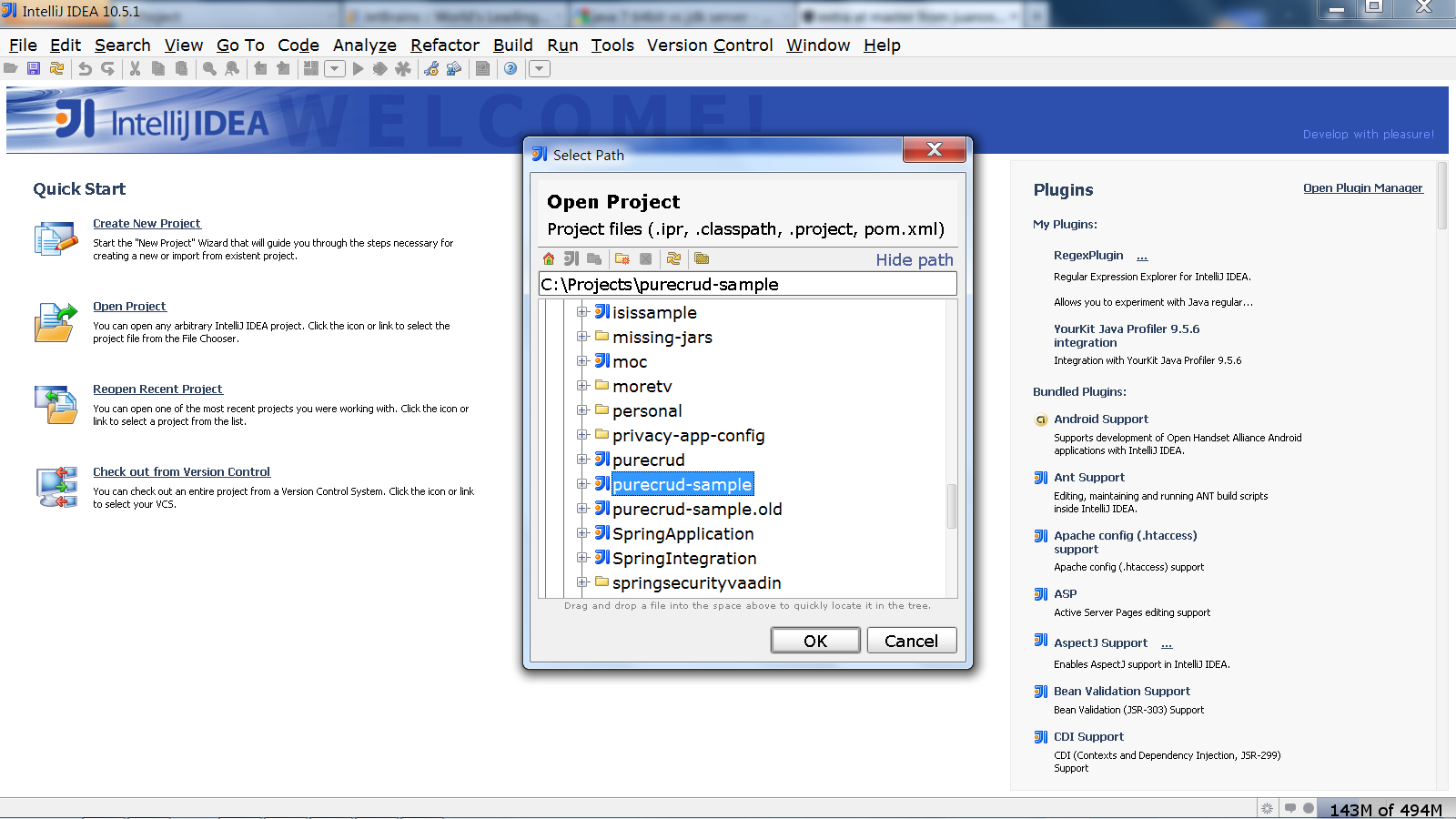


Note: first-time, you will probably get prompted for your GitHub credentials.

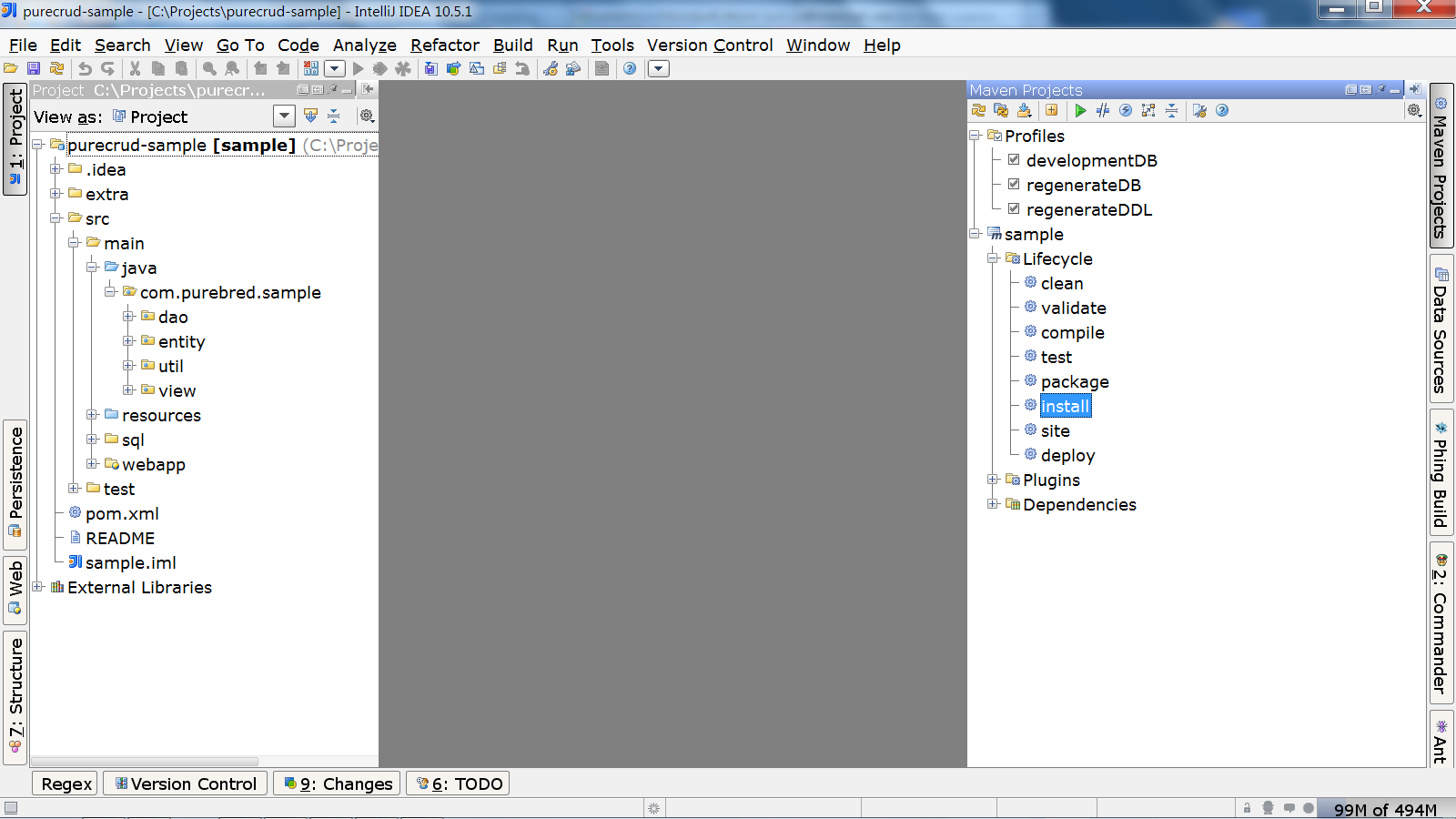
Click no in the next screen since IDE files are already checked into the project.



1. Open the project in Intellij



1. Open the Maven tab on the right. Make sure all profiles are checked. Run **clean** and then **install**.



1. Run Jetty from Intellij
2. Test application URL: <http://localhost:7001/sample/app>