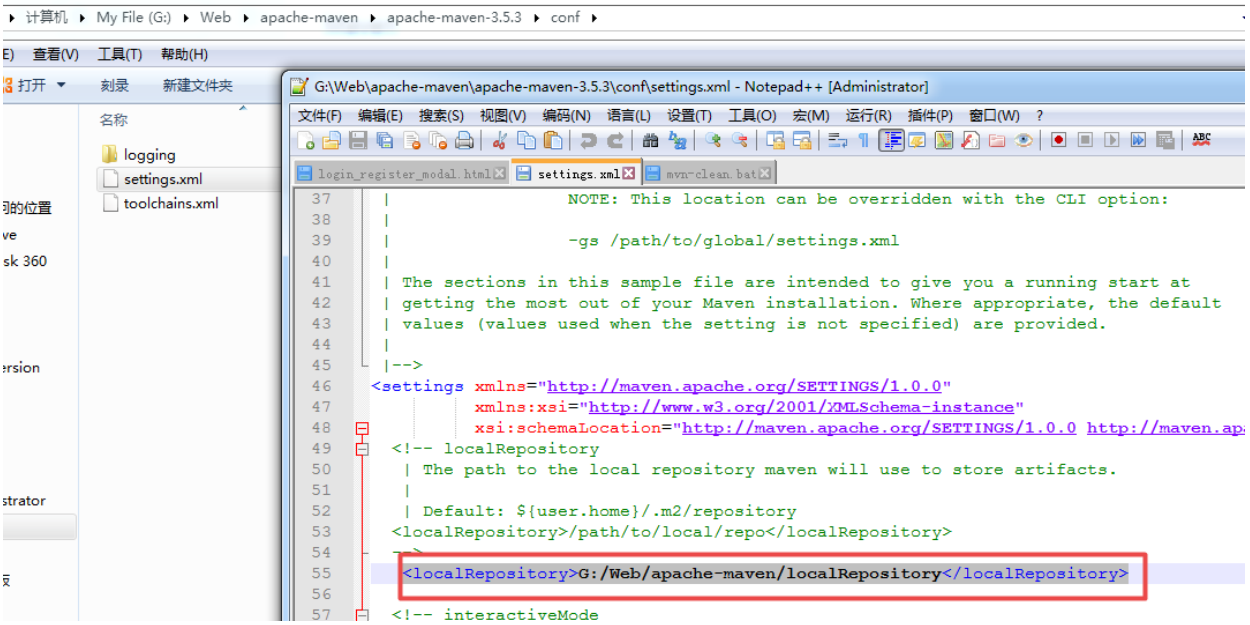
Maven框架配置

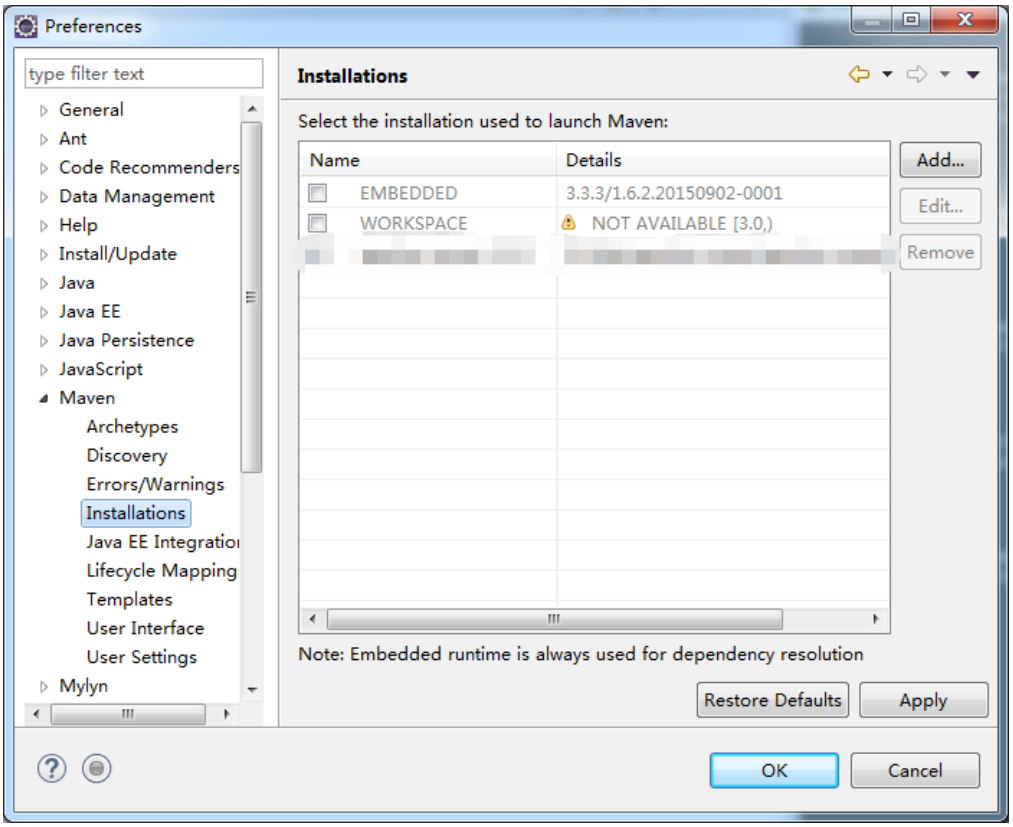
创建架包仓库

1. 创建架包仓库文件localRepository，一般会跟apache-maven同目录。
2. 修改apache-maven配置：在apache-maven目录中的settings.xml文件内指定位置添加创建仓库文件的路径，仓库创建完成。

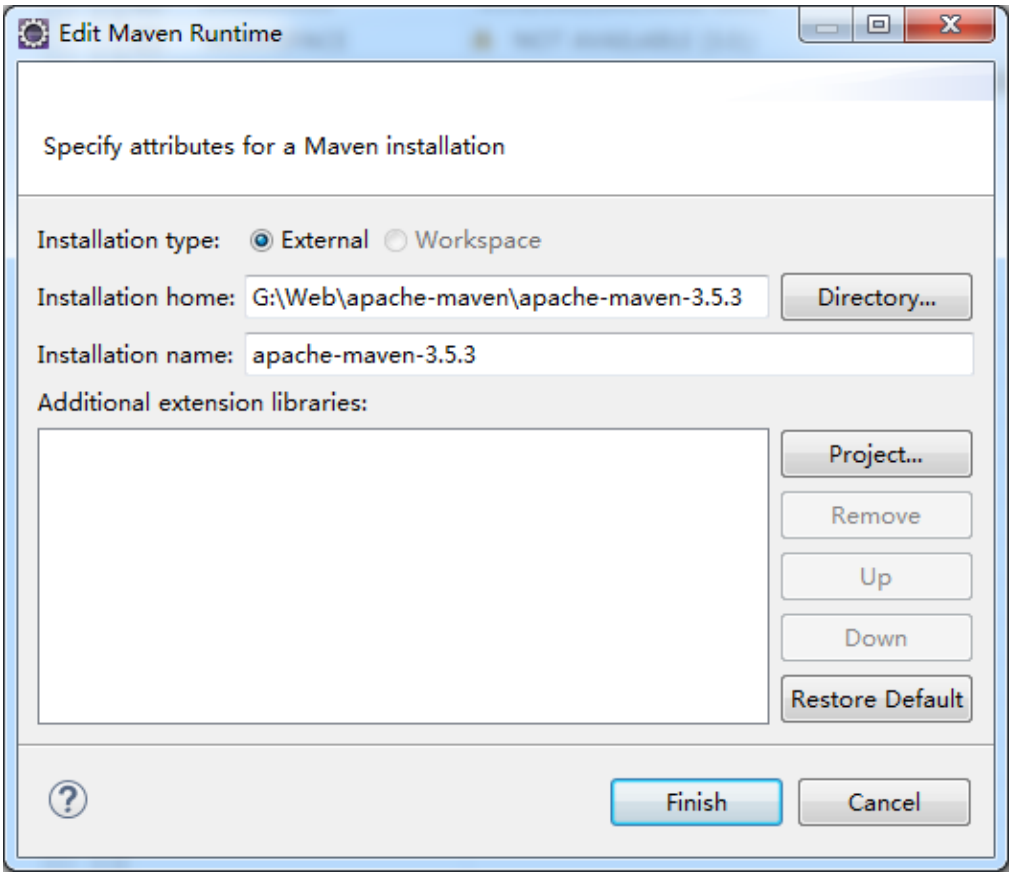


配置eclipse

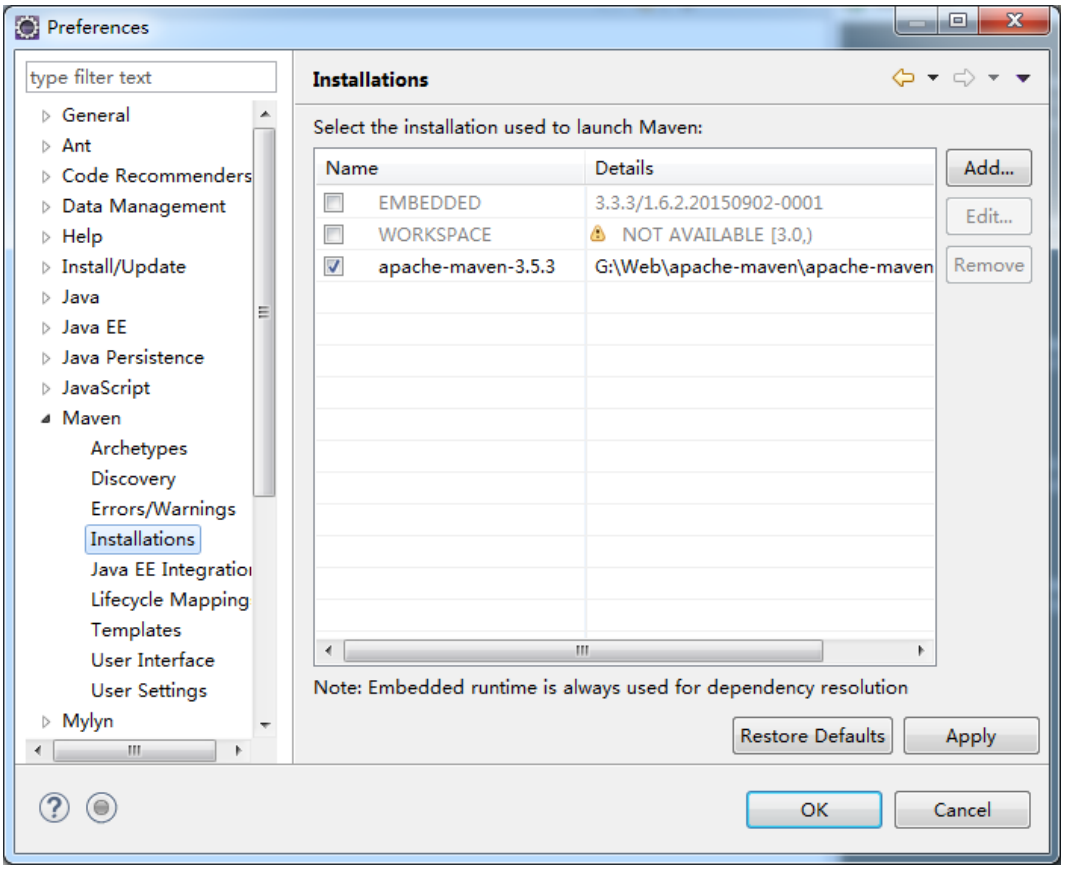
1. 添加apache-maven架包



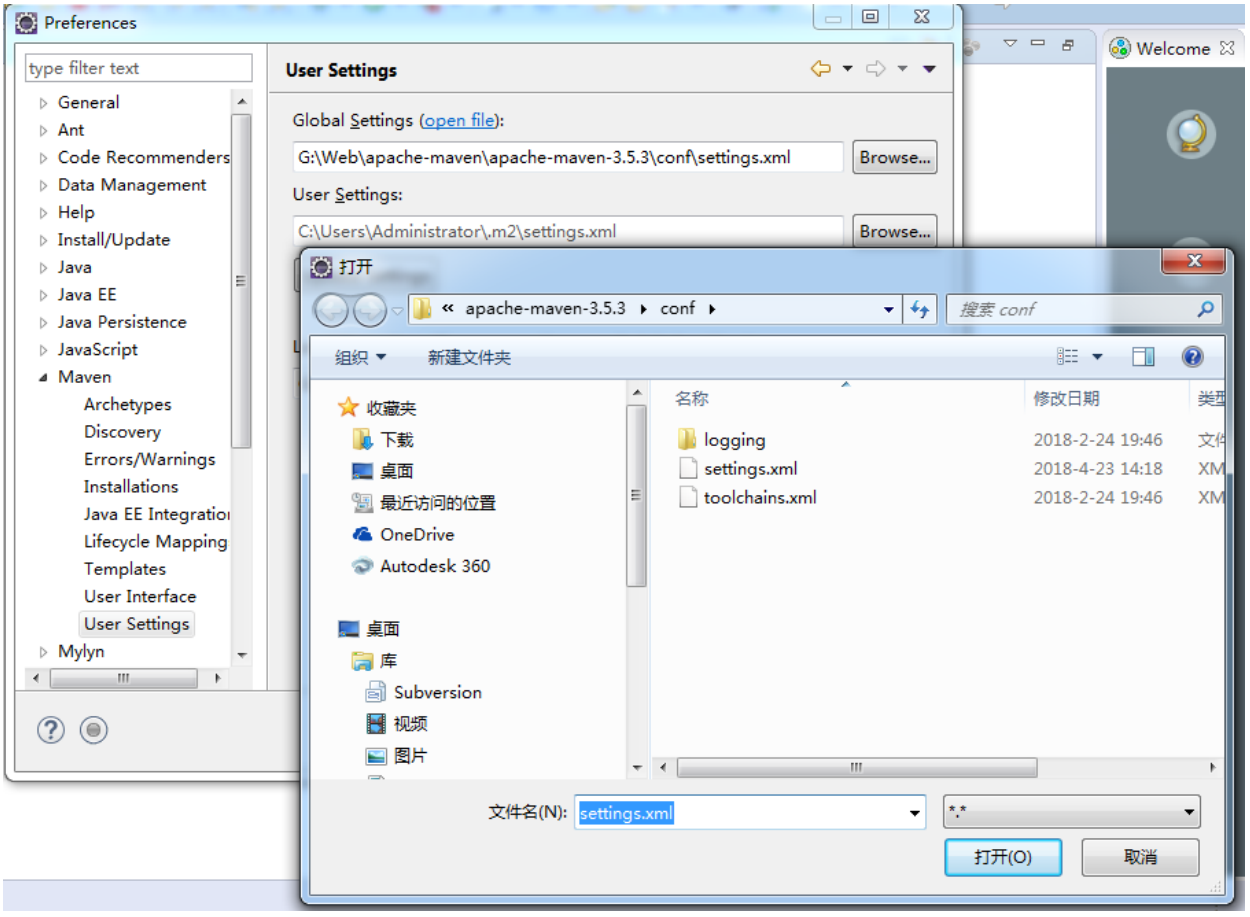
2. 点击add添加，选择apache-maven框架压缩包解压的位置，点击Finish。



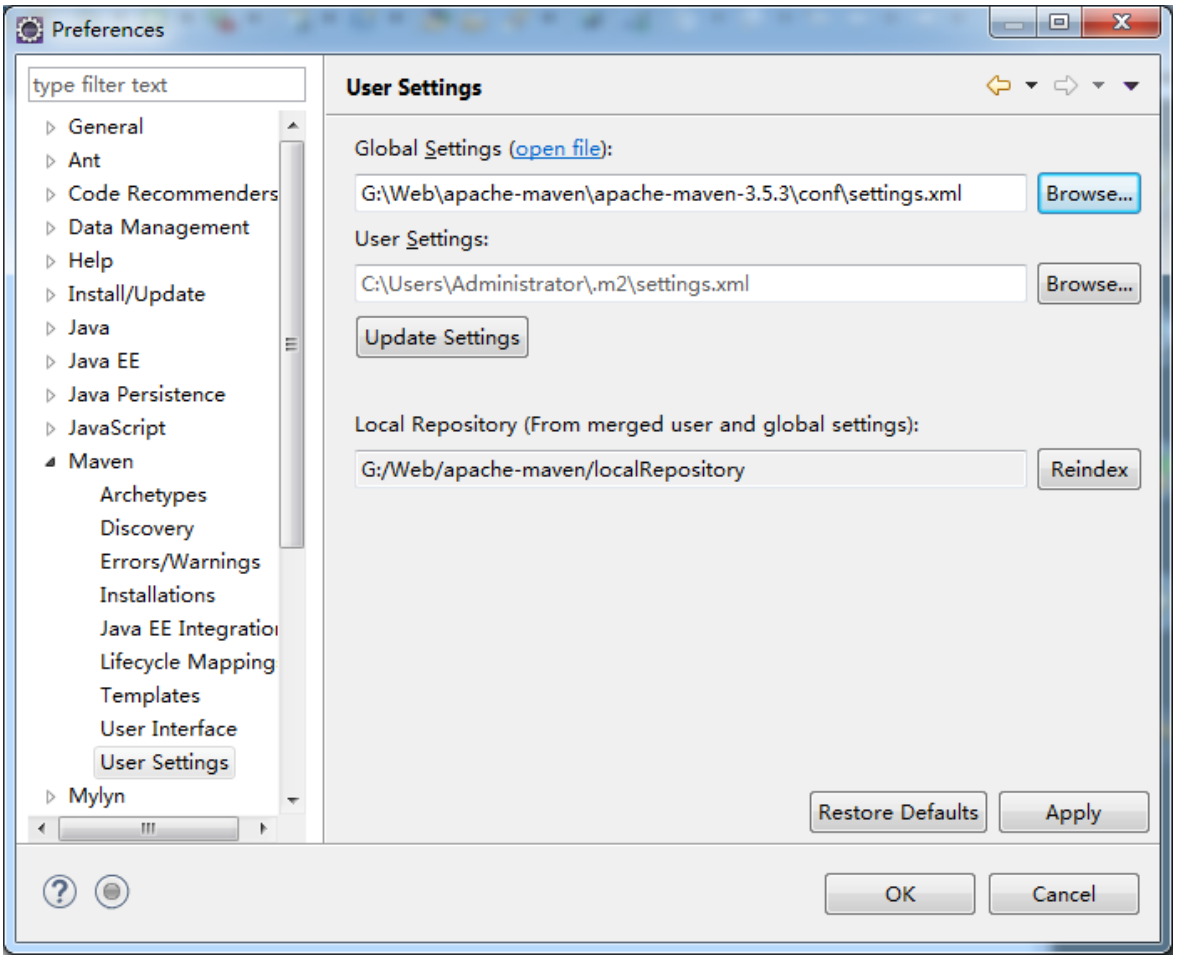
3. 添加完成。



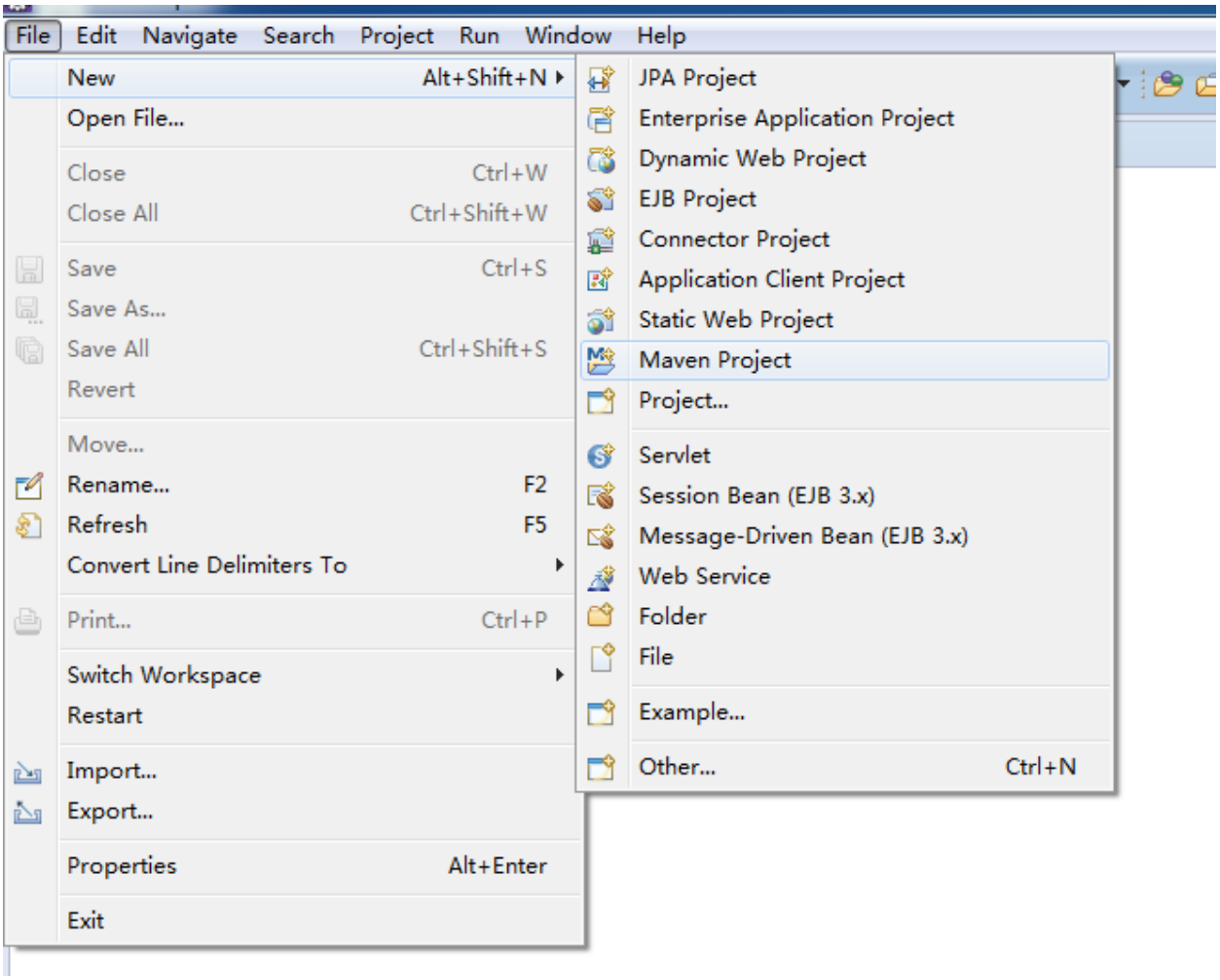
4. 配置User Settings（用户设置），选择apache-maven中settings



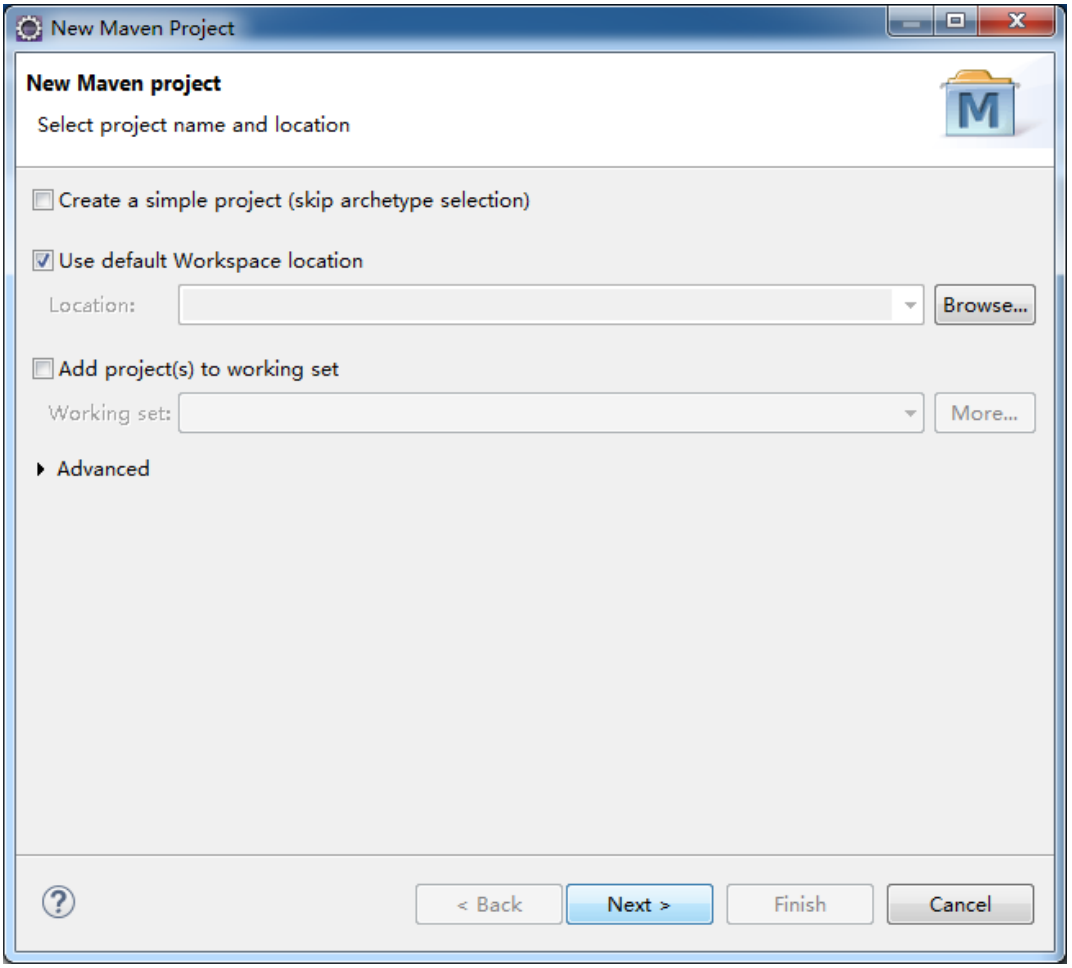
5. 设置完成后点击Apply(此时程序无任何反应，已设置成功)。



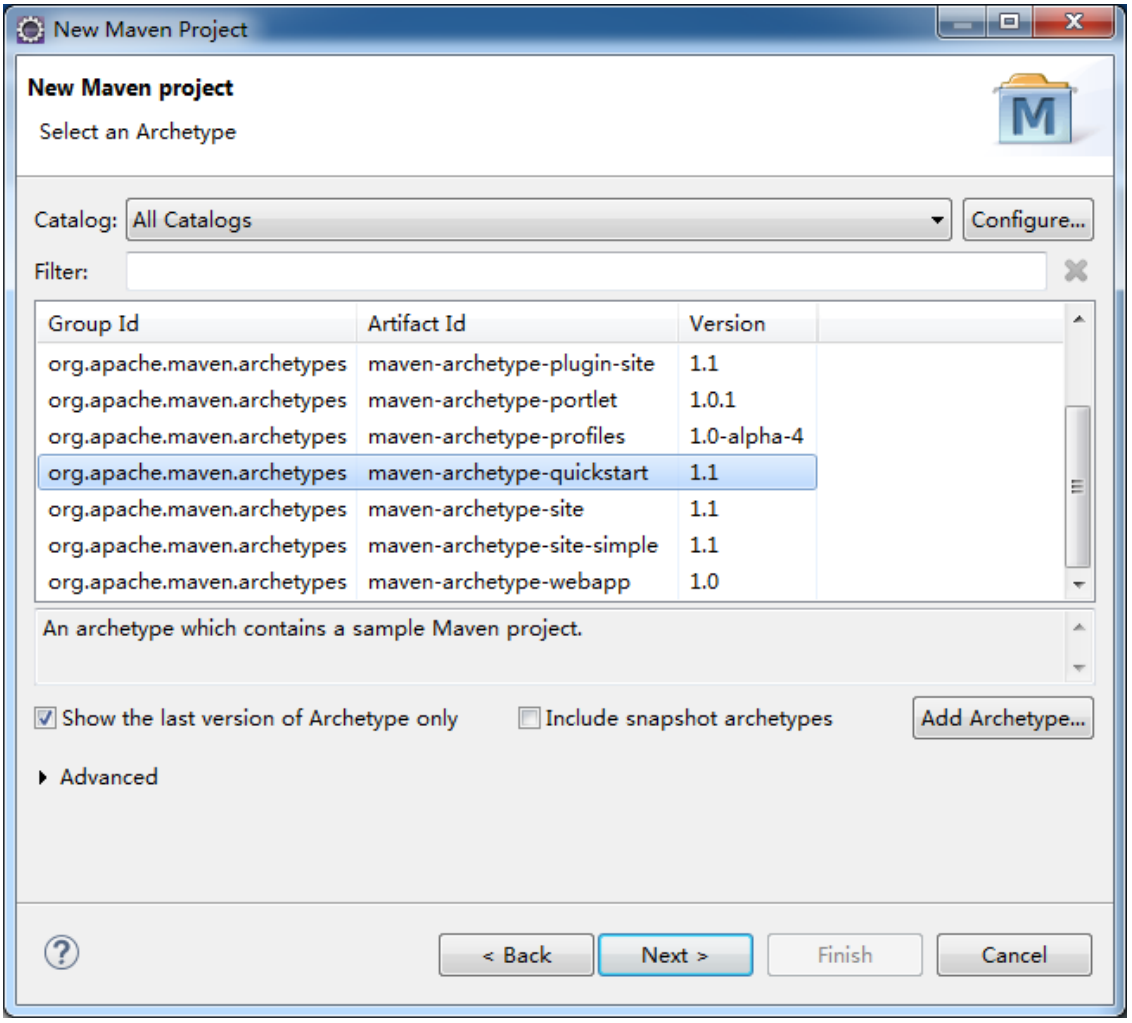
6. 新建Manen工程


File
Edit
Navigate
Search
Project
Run
Window
Help
New
Alt+Shift+N
Open File...
Close
Ctrl+W
Close All
Ctrl+Shift+W
Save
Ctrl+S
Save As...
Save All
Ctrl+Shift+S
Revert
Move...
Rename...
F2
Refresh
F5
Convert Line Delimiters To
Print...
Ctrl+P
Switch Workspace
Restart
Import...
Export...
Properties
Alt+Enter
Exit
JPA Project
Enterprise Application Project
Dynamic Web Project
EJB Project
Connector Project
Application Client Project
Static Web Project
Maven Project
Project...
Servlet
Session Bean (EJB 3.x)
Message-Driven Bean (EJB 3.x)
Web Service
Folder
File
Example...
Other...
Ctrl+N

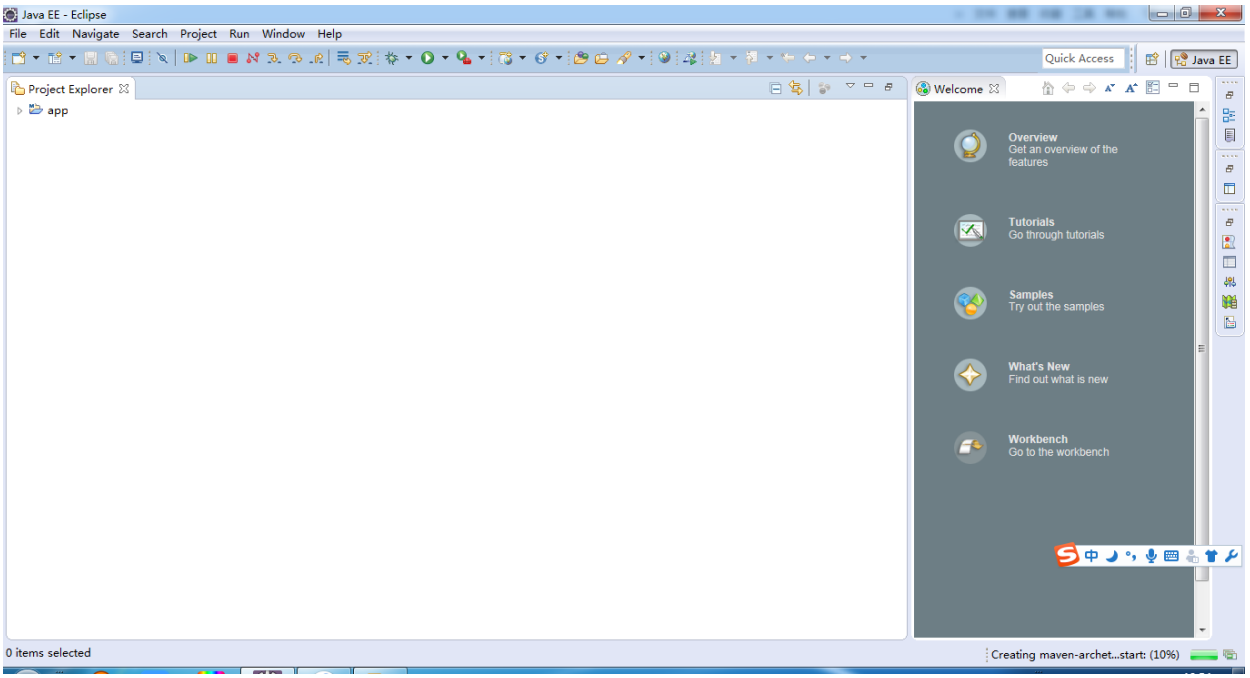
7. 直接点击Next。



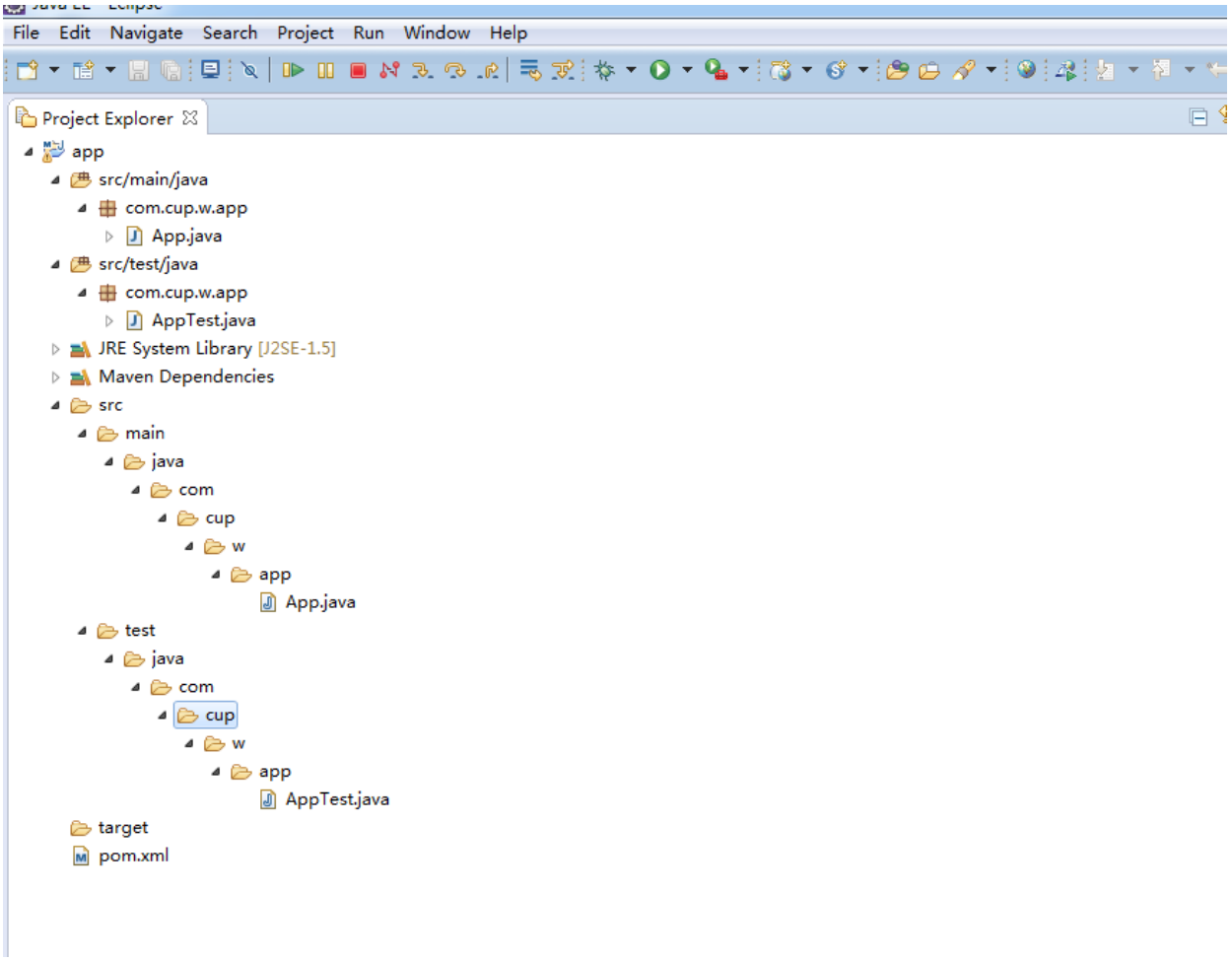
8. 选择quickstart文件，点击Next。


New Maven Project
New Maven project
Select an Archetype
Catalog: All Catalogs
Configure...
Filter:
Group Id
Artifact Id
Version
org.apache.maven.archetypes
maven-archetype-plugin-site
1.1
org.apache.maven.archetypes
maven-archetype-portlet
1.0.1
org.apache.maven.archetypes
maven-archetype-profiles
1.0-alpha-4
org.apache.maven.archetypes
maven-archetype-quickstart
1.1
org.apache.maven.archetypes
maven-archetype-site
1.1
org.apache.maven.archetypes
maven-archetype-site-simple
1.1
org.apache.maven.archetypes
maven-archetype-webapp
1.0
An archetype which contains a sample Maven project.
Show the last version of Archetype only
Include snapshot archetypes
Add Archetype...
Advanced
< Back
Next >
Finish
Cancel

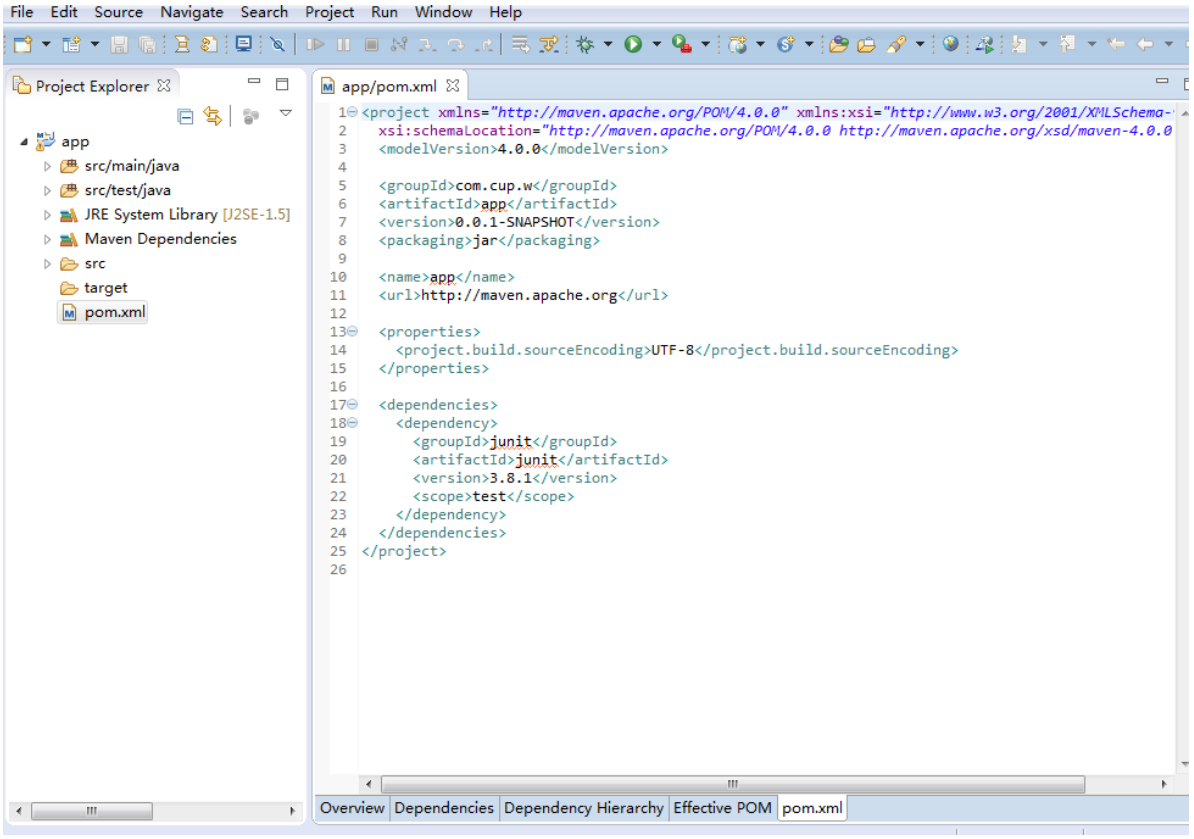
9. 创建完成。


Java EE - Eclipse
File Edit Navigate Search Project Run Window Help
Quick Access
Java EE
Project Explorer
app
Welcome
Overview
Get an overview of the features
Tutorials
Go through tutorials
Samples
Try out the samples
What's New
Find out what is new
Workbench
Go to the workbench
0 items selected
Creating maven-archet...start: (10%)

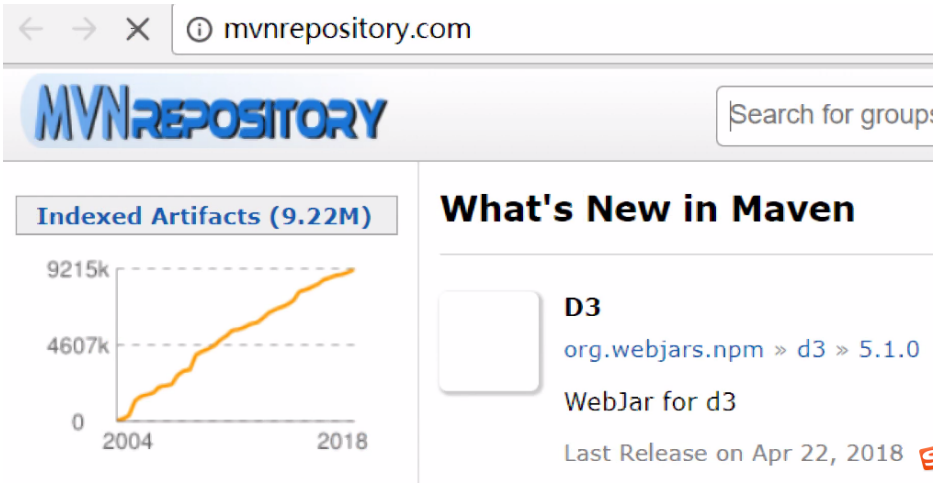
10. 目录结构展示。



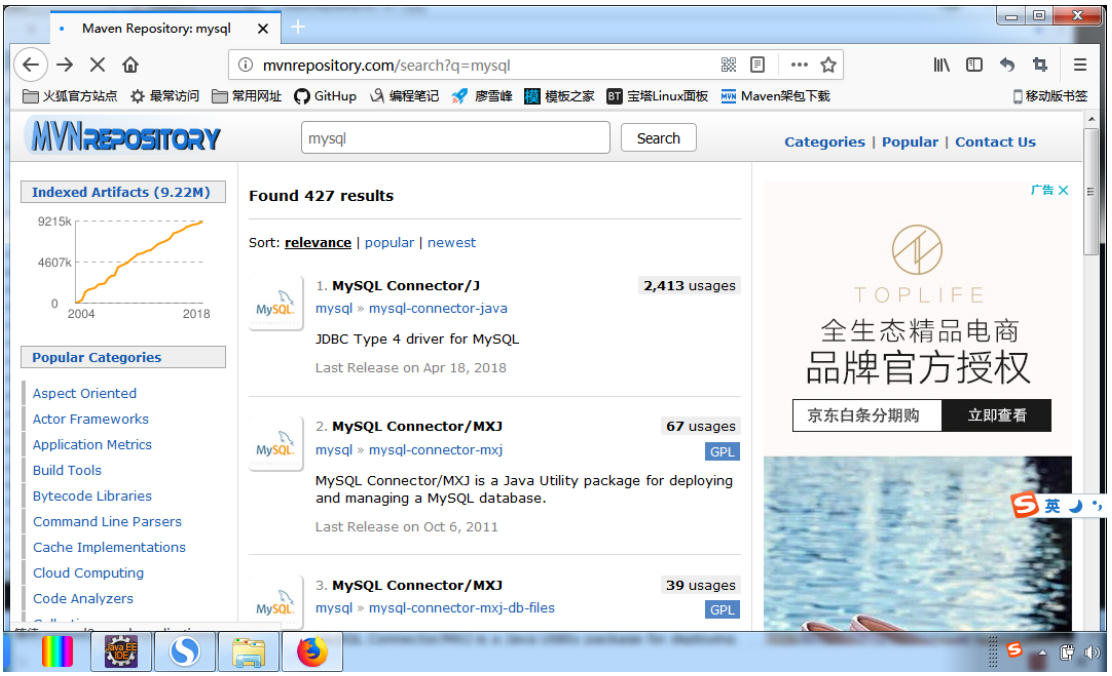
11. 添加新架包：只需将架包下载网站的下载代码复制到pom.xml下即可完成自动下载。



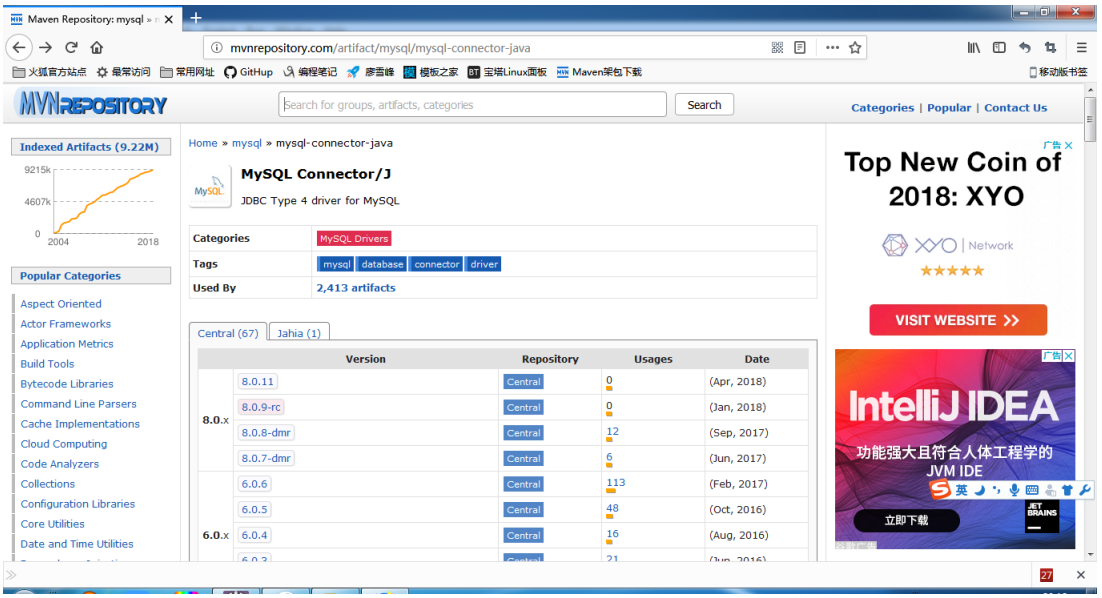
12. 架包下载网站。



13. 搜索架包（以myspl为例）

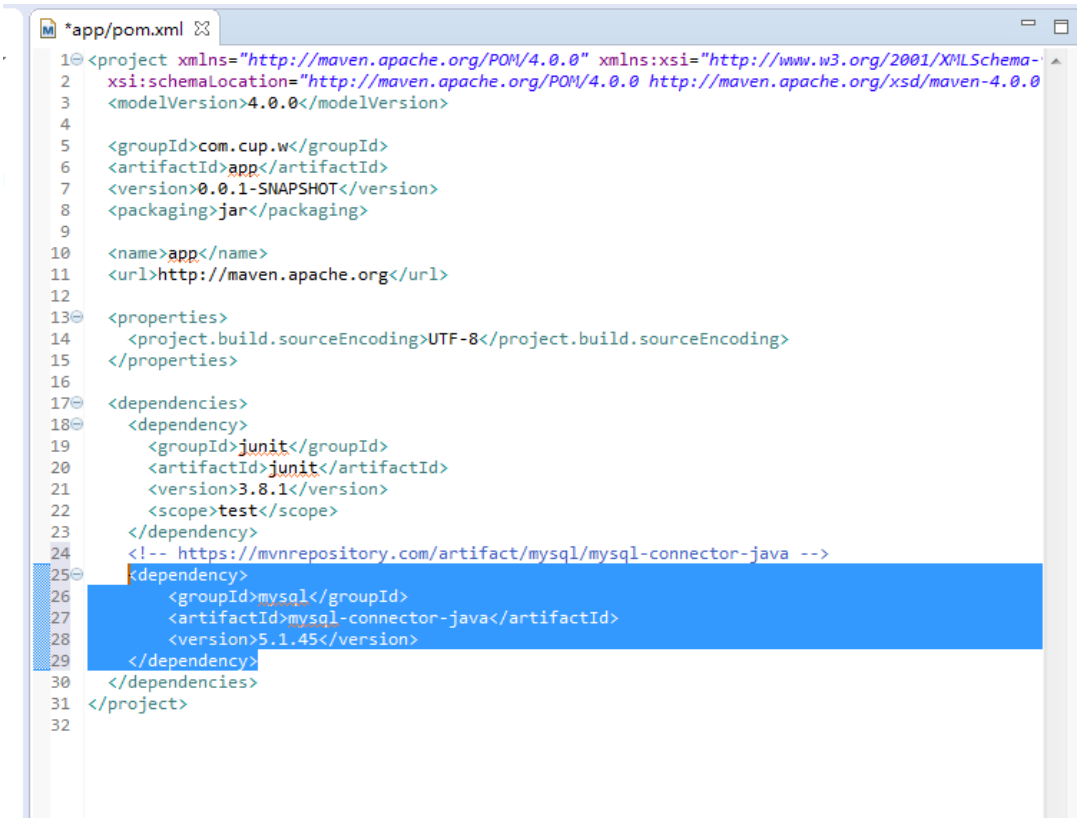


14. 选择架包(一般选择当前日期前一年的，相对较成熟、稳定)。

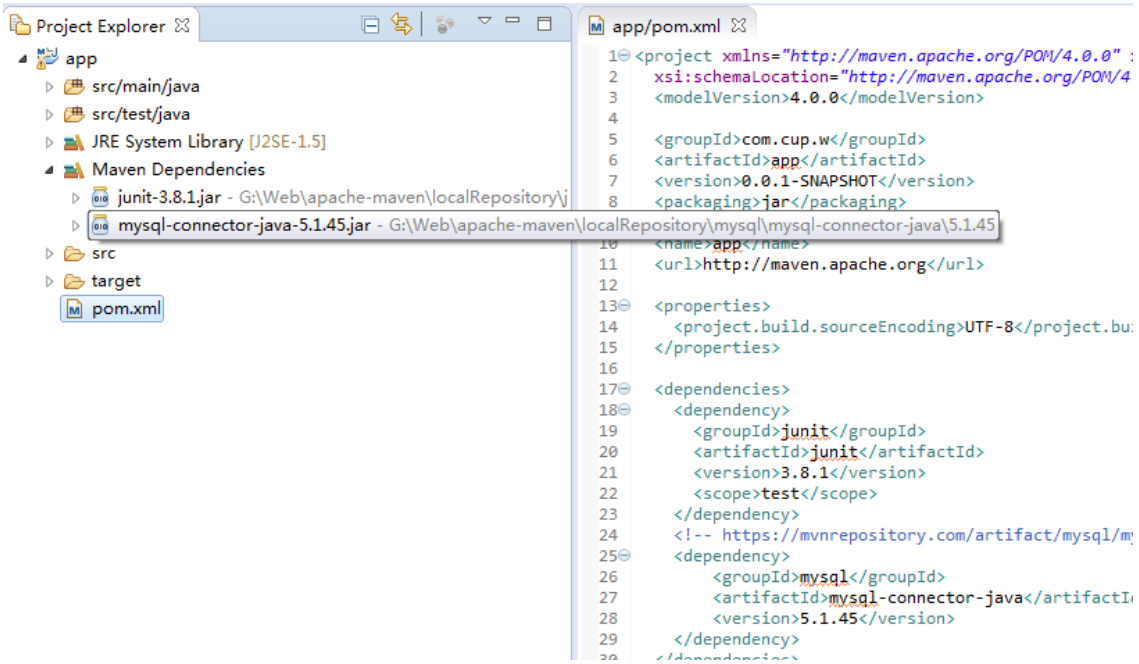


15. 复制下载代码。

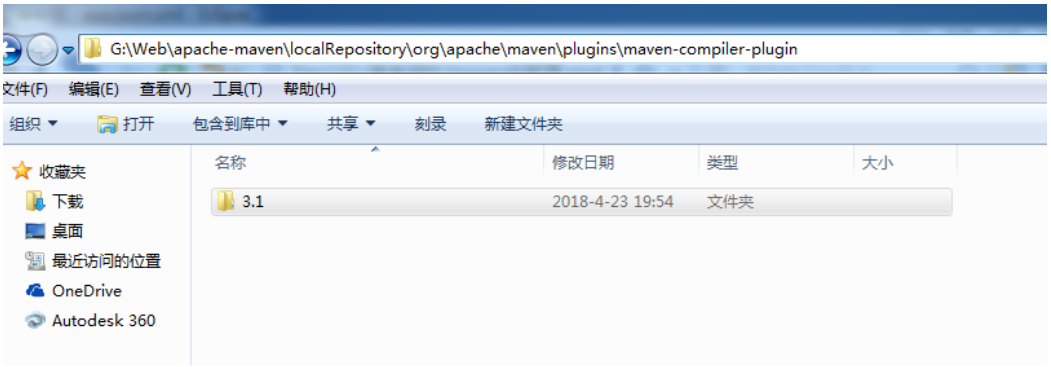
16. 粘贴到pom.xml文件的指定位置。



17. 设置完成后直接保存，系统会自动下载架包



18. 配置JDK版本，默认为1.5，一般最低要配到1.7。选择用户创建Maven框架仓库中maven-compiler-plugin的路径org\apache\maven\plugins\maven-compiler-plugin\3.1

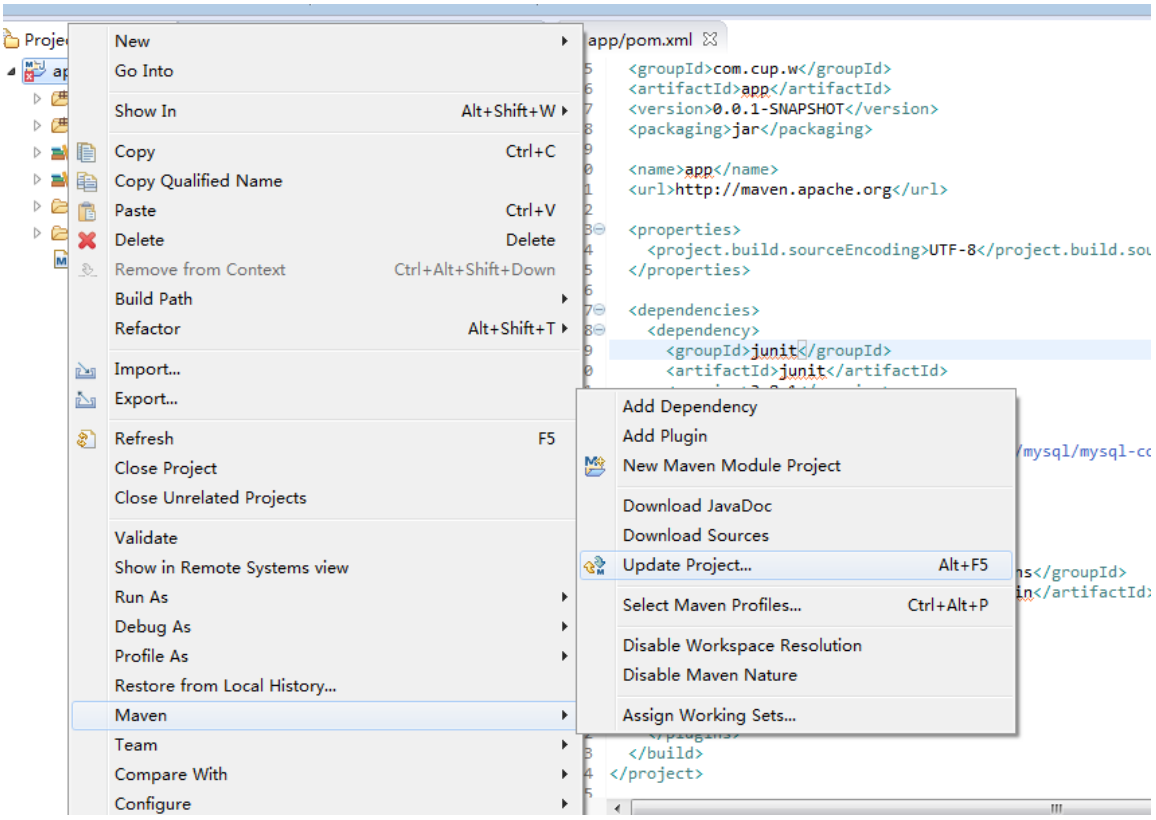


19. 按照下图格式将路径配置到pom.xml文件中。

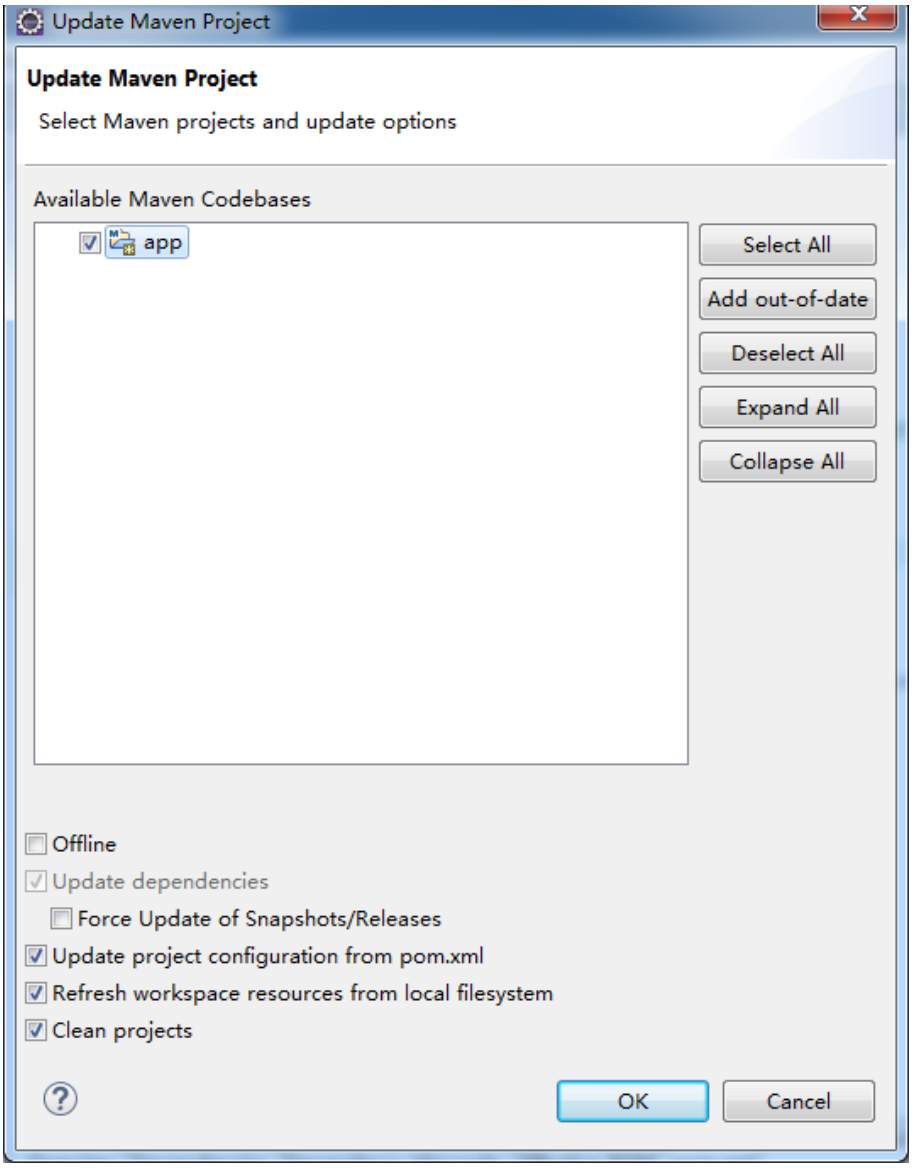
app/pom.xml

```xml
<groupId>com.cup.w</groupId>
<artifactId>app</artifactId>
<version>0.0.1-SNAPSHOT</version>
<packaging>jar</packaging>

<name>app</name>
<url>http://maven.apache.org</url>

<properties>
  <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
</properties>

<dependencies>
  <dependency>
    <groupId>junit</groupId>
    <artifactId>junit</artifactId>
    <version>3.8.1</version>
    <scope>test</scope>
  </dependency>
  <!-- https://mvnrepository.com/artifact/mysql/mysql-connector-java -->
  <dependency>
</dependencies>
<build>
  <plugins>
      <plugin>
          <groupId>org.apache.maven.plugins</groupId>
          <artifactId>maven-compiler-plugin</artifactId>
          <version>3.1</version>
          <configuration>
              <source>1.7</source>
              <target>1.7</target>
          </configuration>
      </plugin>
  </plugins>
</build>
</project>
```

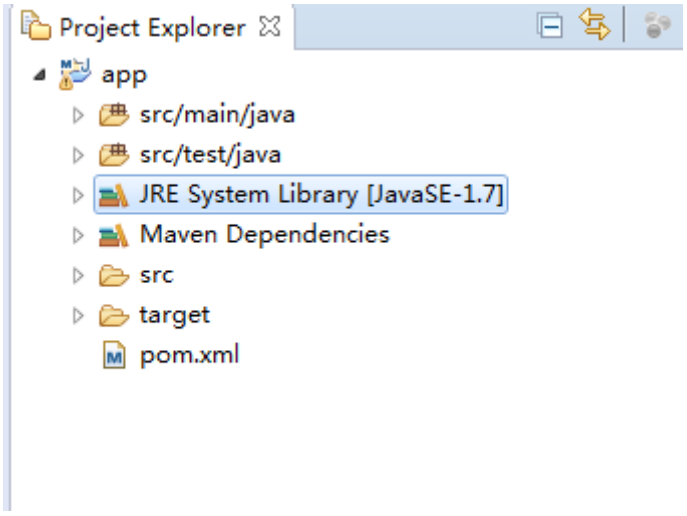
20. 配置完成后需要更新工程目录下的JDK版本(默认1.5)使其与刚刚下载的版本一致



21. 选择要更新的工程目录，点击OK。



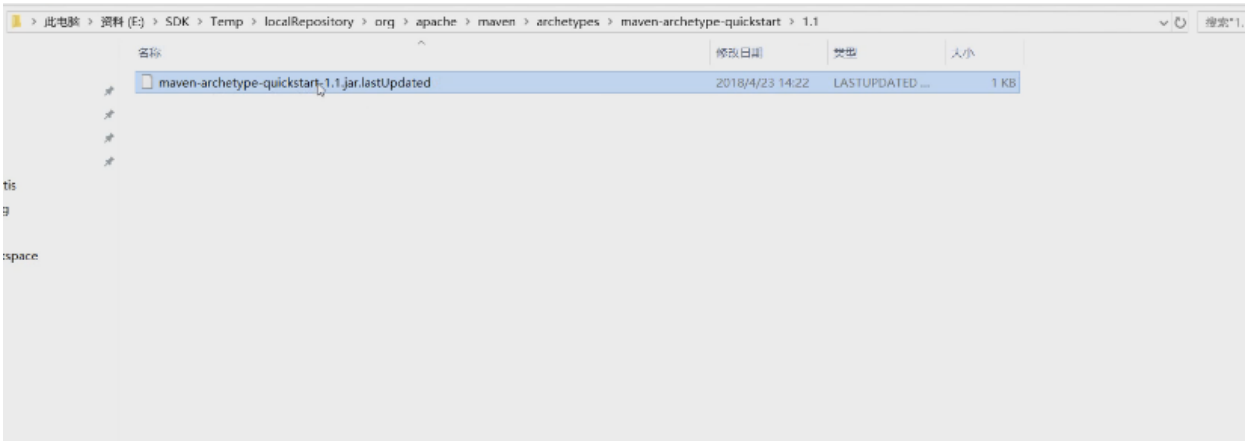
22. 更新完成



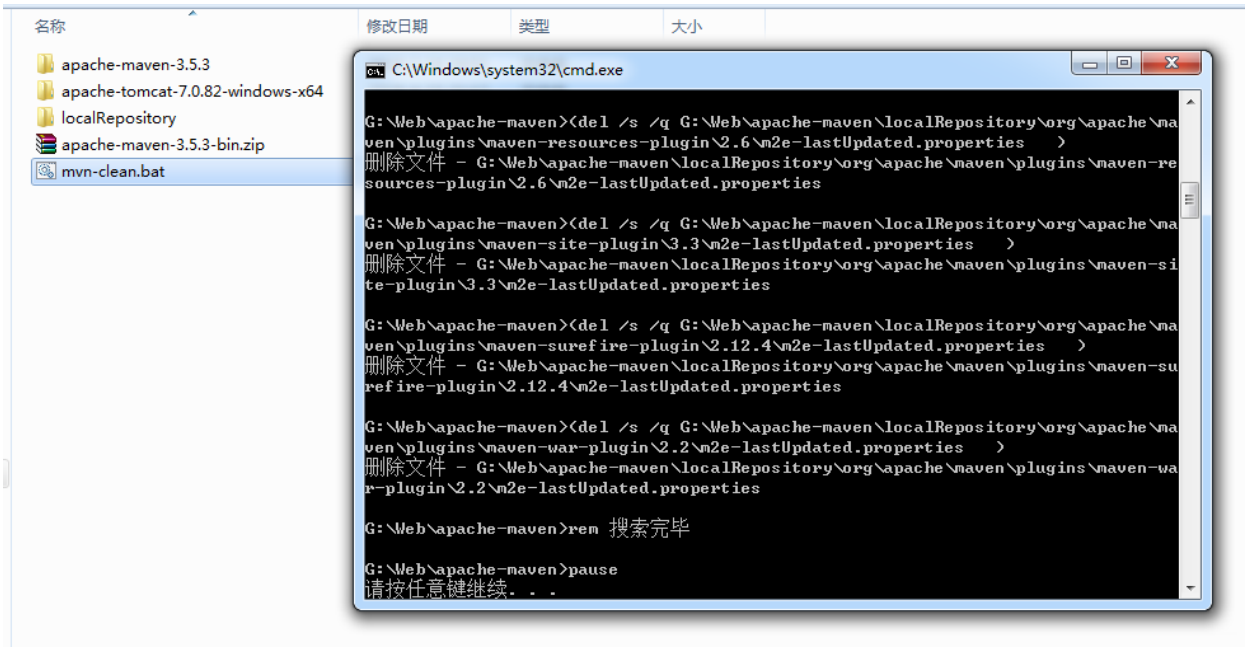
解决工程创建失败问题

工程创建失败一般是因为系统自动下载架包时可能会生成一个错误文件，只需将该文件删除即可。

1. 查看是否有错误文件

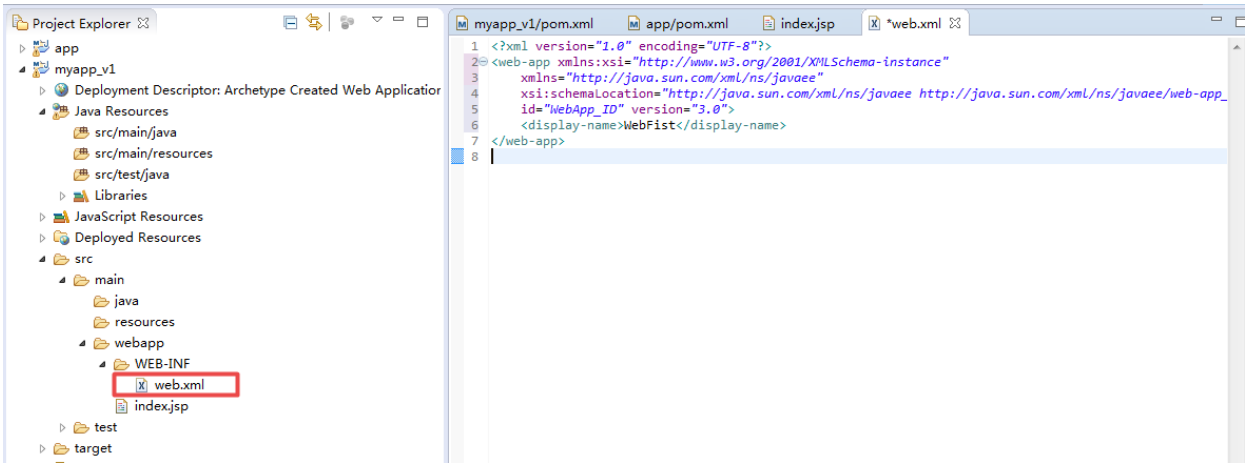


2. 使用程序一键删除所有错误文件：双击运行程序文件即可完成删除操作（必须将程序文件放在同一个磁盘内）

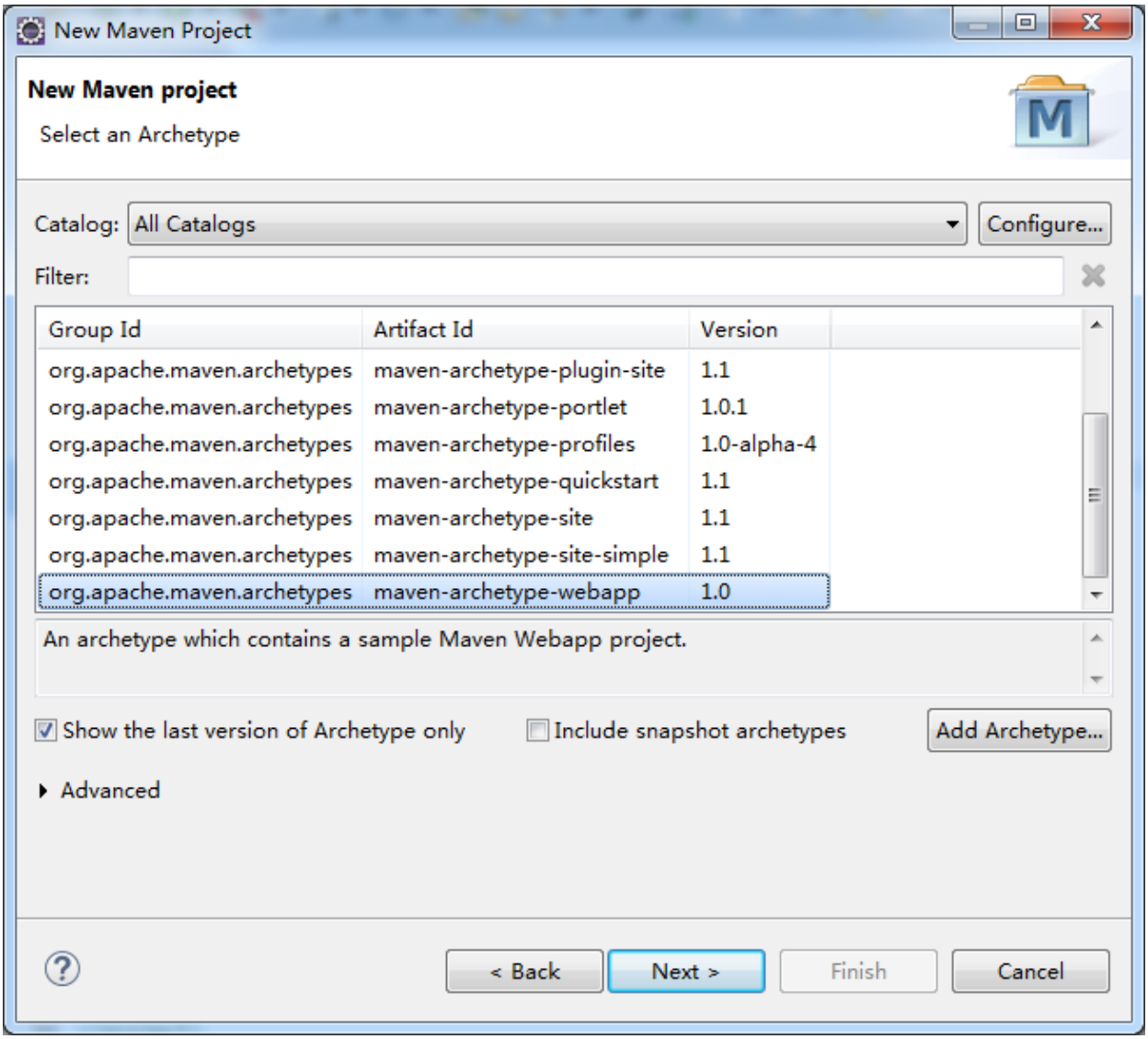


创建web工程

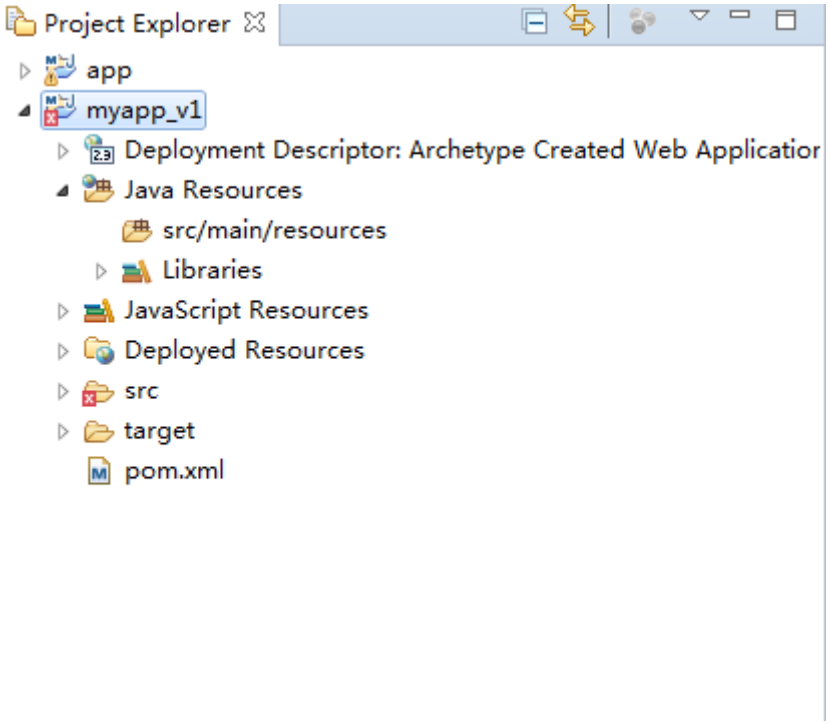
1.



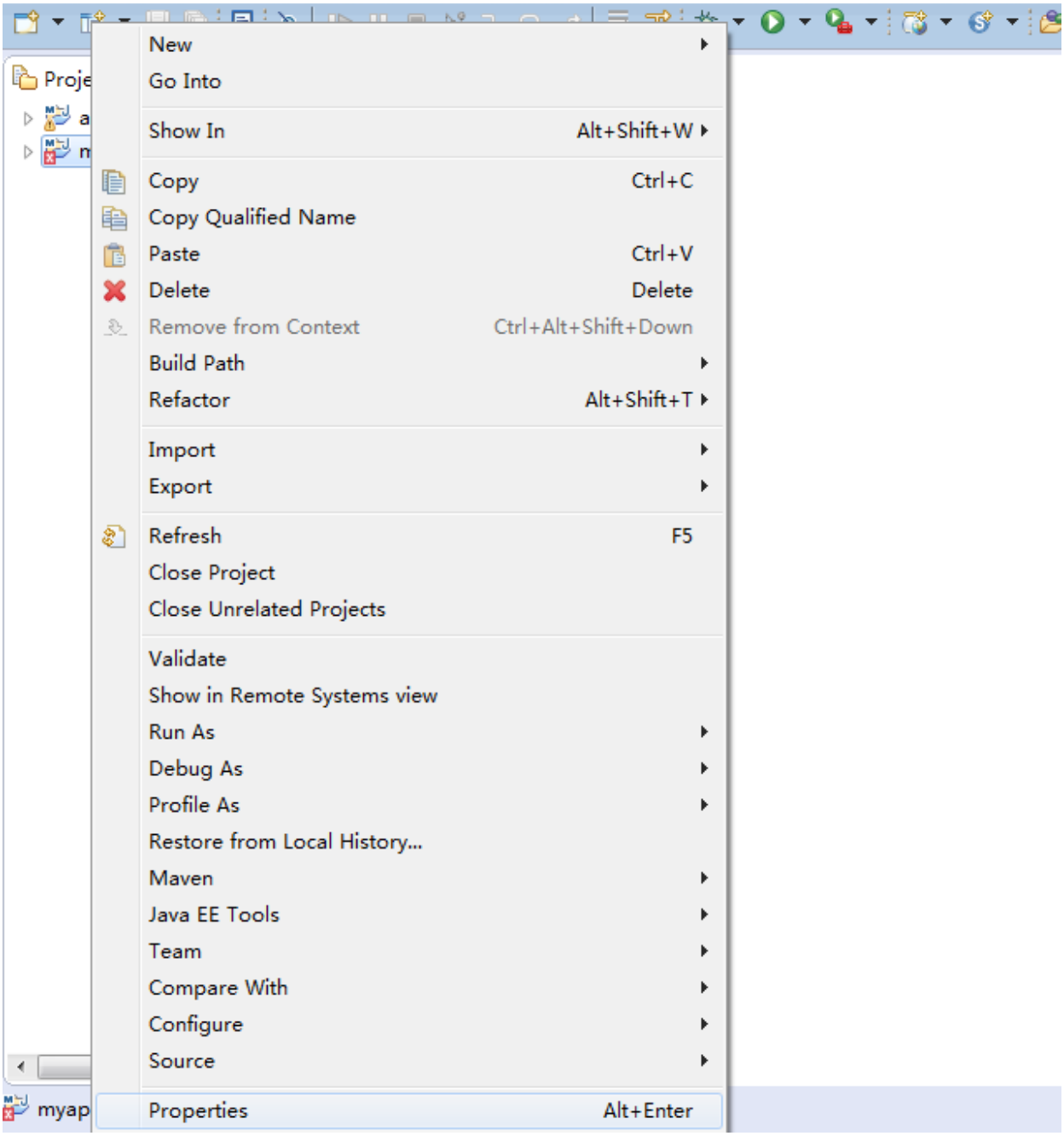
2. 创建工程选择webapp架包（普通工程为quickstart）



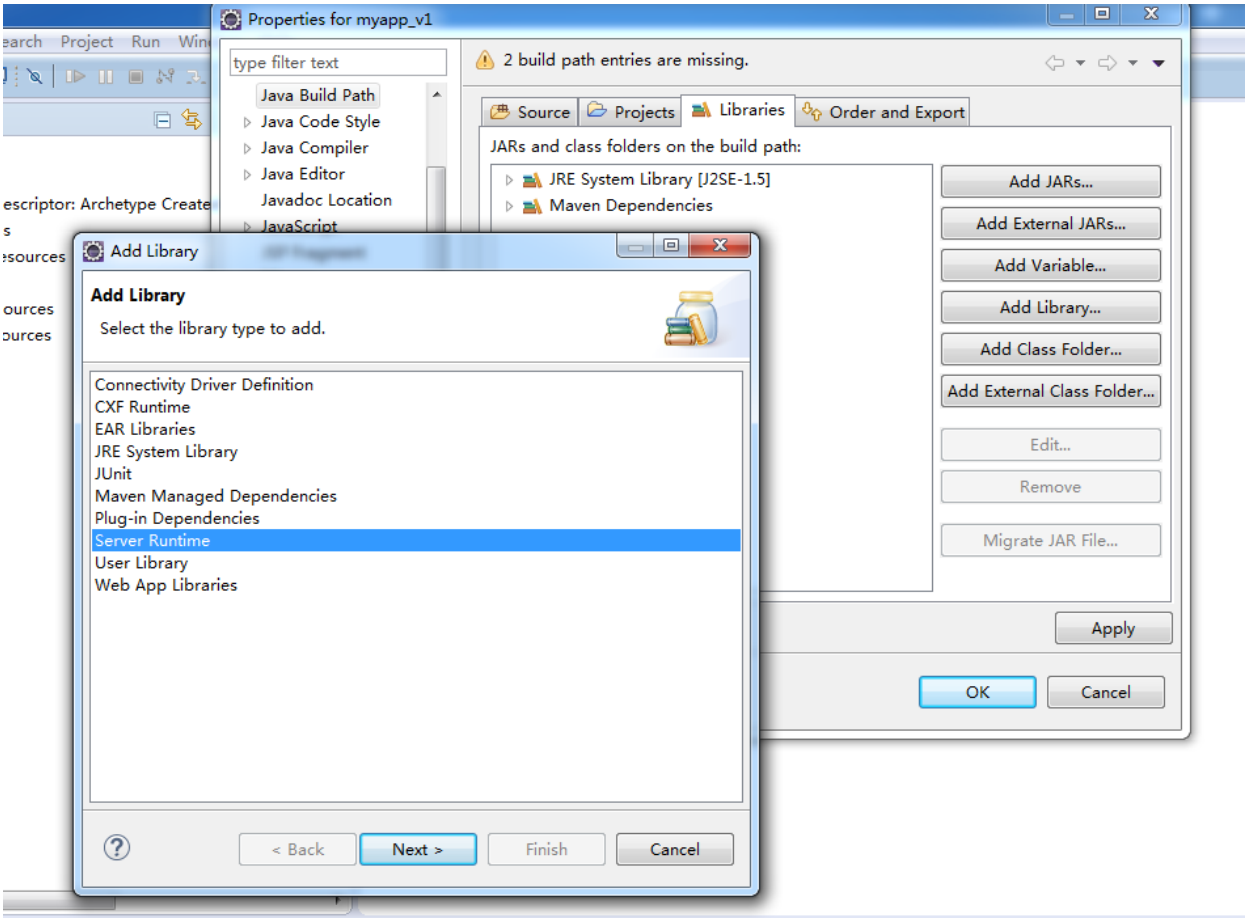
3. 此时工程创建不全，需手动添加



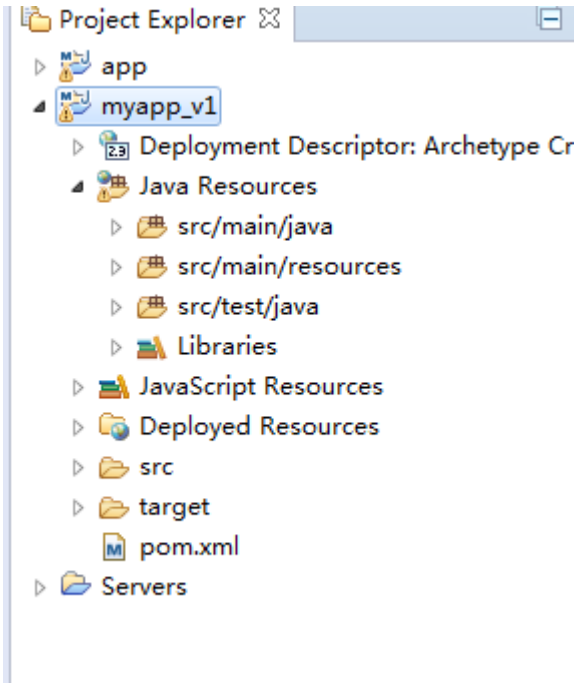
4. 右击工程目录，选择properties



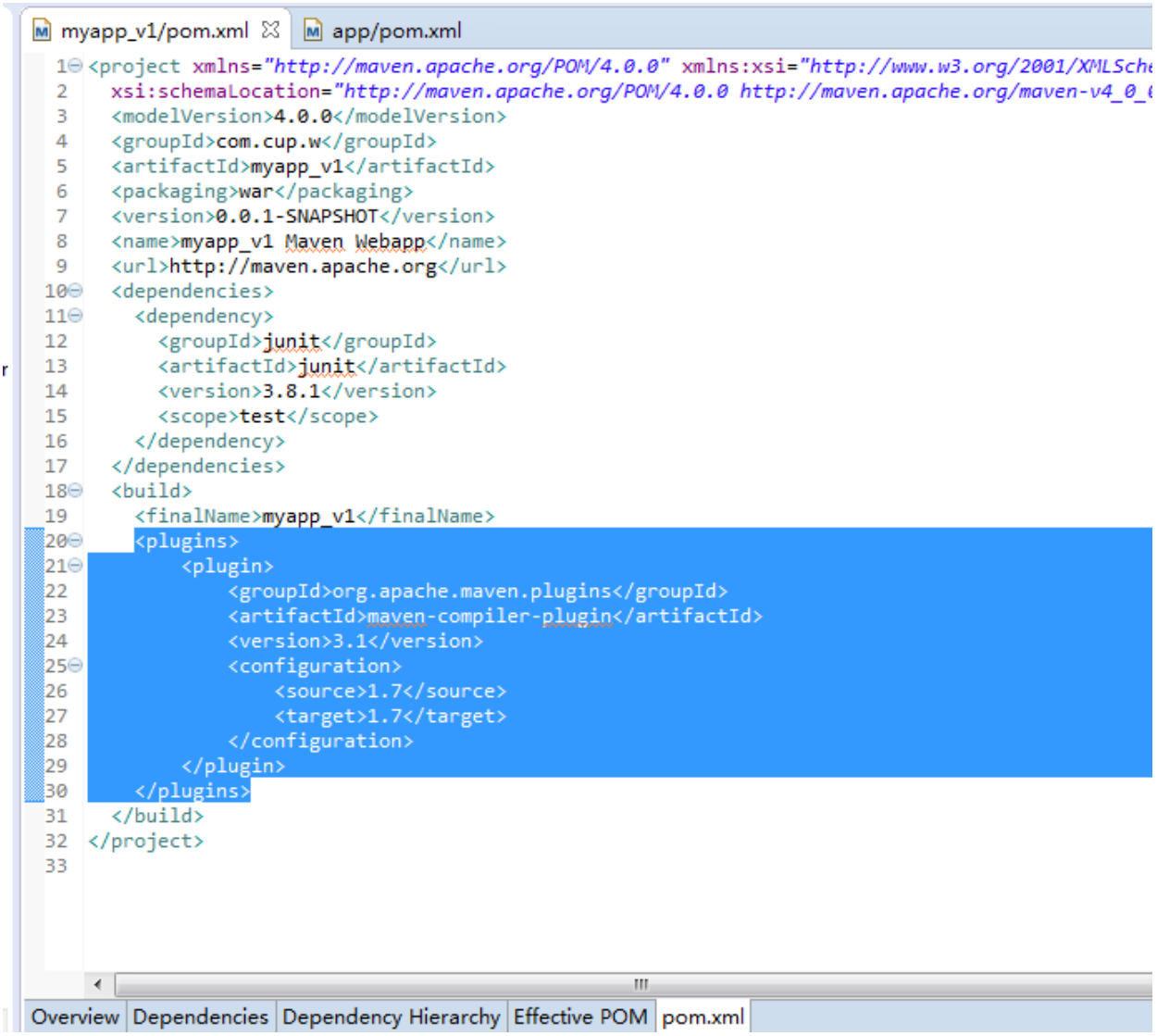
5. 选择 Libraries选框，点击add,选择server Runtime,点击Next，完成添加。



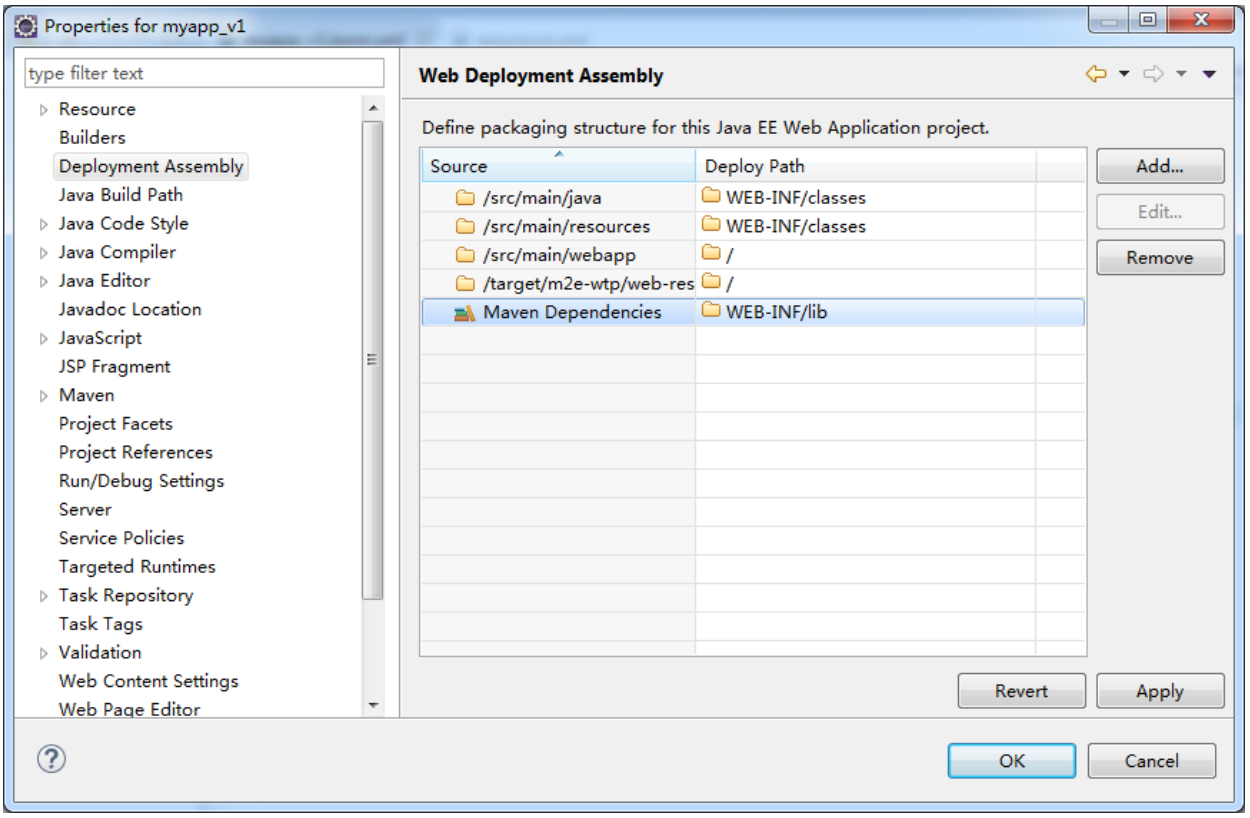
6. 添加后工程目录结构



7. 配置JDK版本，与普通工程方法相同。



8. 如果不小心将如图架包删除，或目录下根本没有，可以收到点击add添加。



9. 选择要添加的架包，点击Next，完成添加。