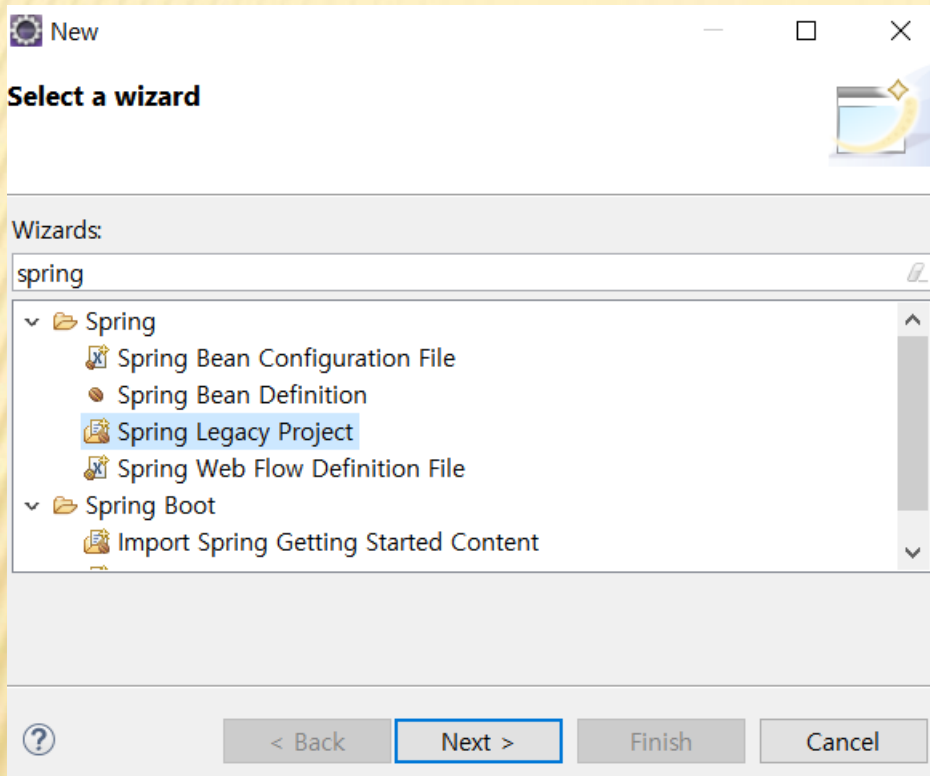


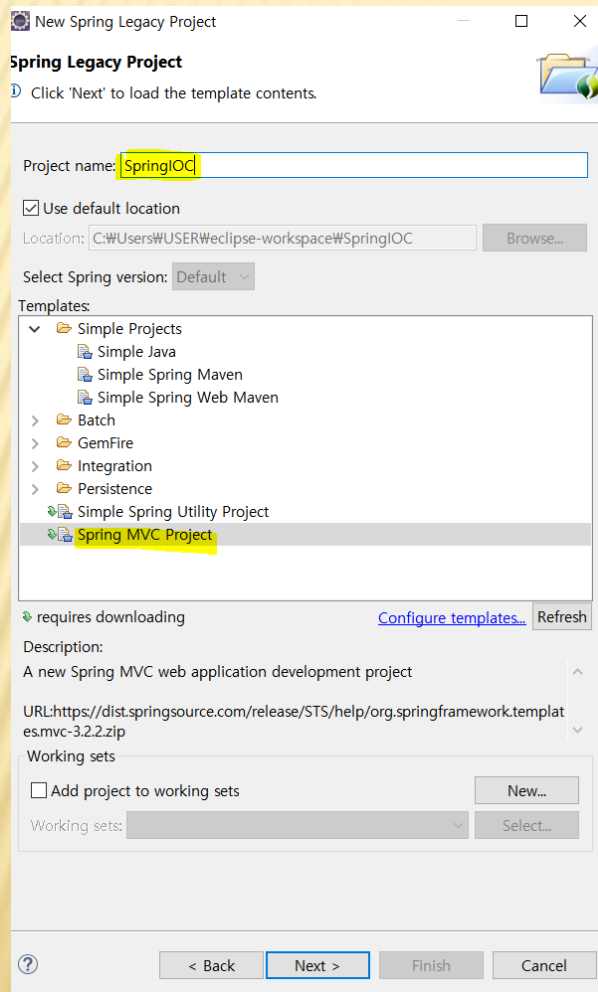
# SPRING PROJECT 생성

# SPRING LEGACY PROJECT 생성

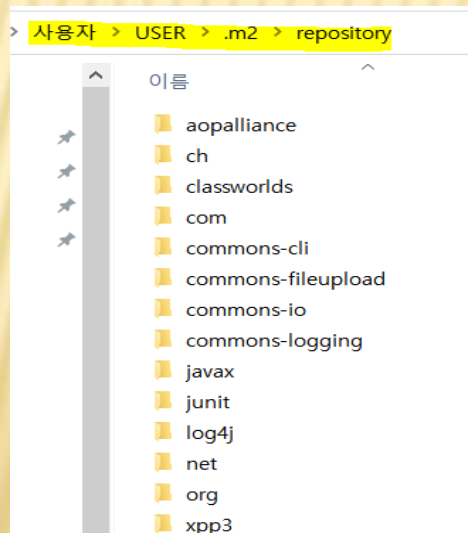
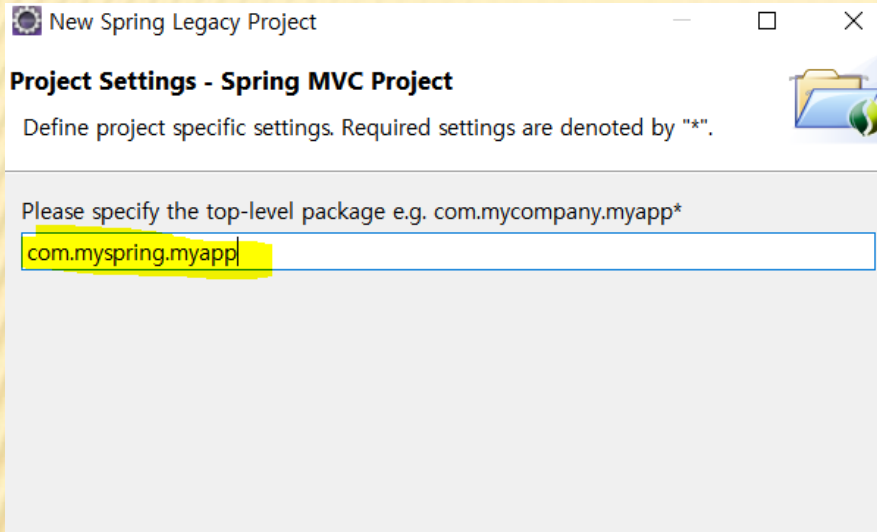


STS 설치 후  
프로젝트 생성

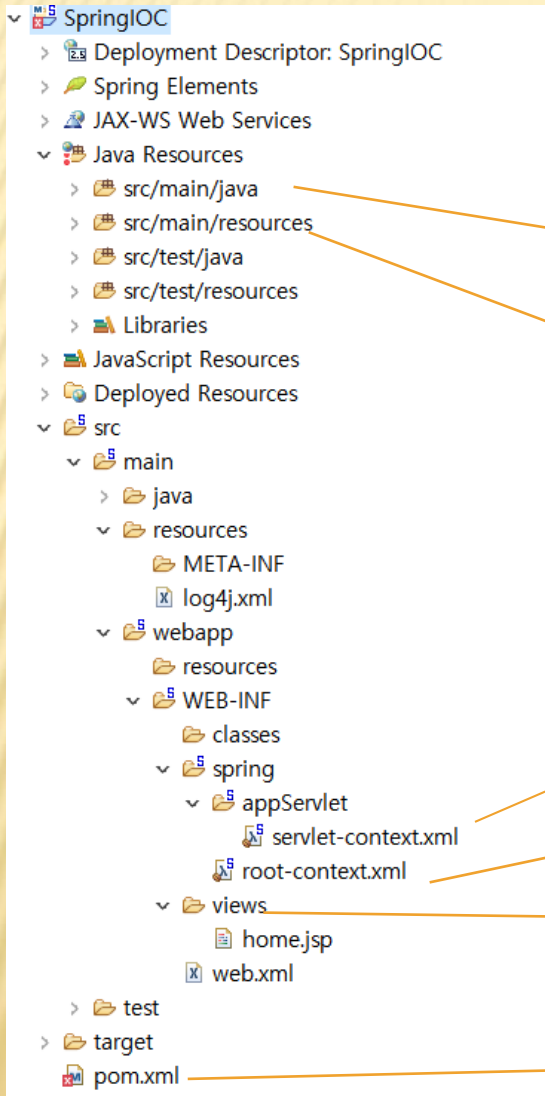
Spring Legacy Project로 생성  
한다



- ✕ Project이름을주고
- ✕ Spring MVC Project
- ✕ 를 선택한다.



- ✗ 패키지명을 3단계 이상으로 주자.
- ✗ 이때 myapp이란 패키지명이 향후 context명이 되므로 다른 context이름과 다르게 주어야 함
- ✗ 프로젝트를 생성하면
- ✗ 필요한 코드와 라이브러리를 다운로드 하게 된다.
- ✗ 이 라이브러리들은 사용자 폴더 내 **‘.m2’**라는 이름의 폴더를 이용하며,
- ✗ .m2 안에는 **repository**폴더가 생성되고 여기에 다운로드된 파일들이 추가된다.



자바코드

설정 파일(xml, properties)들을 둔다

웹과 관련된 스프링 설정 파일

스프링 설정 파일

Jsp파일을 두는 경로


Maven이 사용하는 pom.xml



- 
- ✖ 스프링 프로젝트를 생성하면 스프링 버전이 3.x로, jdk는 1.6기준으로 작성되어 있다.
  - ✖ 우리는 스프링 5버전을 이용할 것이므로 수정이 필요하다.
  - ✖ => pom.xml에서 이를 수정하자.

# POM.XML을 수정하자

```
<?xml version="1.0" encoding="UTF-8"?>
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/
  xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 https://maven.apache.org/ma
  <modelVersion>4.0.0</modelVersion>
  <groupId>com.myspring</groupId>
  <artifactId>myapp</artifactId>
  <name>SpringIOC</name>
  <packaging>war</packaging>
  <version>1.0.0-BUILD-SNAPSHOT</version>
  <properties>
    <java-version>1.6</java-version>
    <org.springframework-version>3.1.1.RELEASE</org.springframework-version>
    <org.aspectj-version>1.6.10</org.aspectj-version>
    <org.slf4j-version>1.6.6</org.slf4j-version>
  </properties>
  <dependencies>
    <!-- Spring -->
    <dependency>
      <groupId>org.springframework</groupId>
      <artifactId>spring-context</artifactId>
      <version>${org.springframework-version}</version>
      <exclusions>
        <!-- Exclude Commons Logging in favor of SLF4j -->
        <exclusion>
          <groupId>commons-logging</groupId>
          <artifactId>commons-logging</artifactId>
        </exclusion>
      </exclusions>
    </dependency>
    <dependency>
      <groupId>org.springframework</groupId>
      <artifactId>spring-webmvc</artifactId>
      <version>${org.springframework-version}</version>
```



# POM.XML을 아래와 같이 수정하자

```
<?xml version="1.0" encoding="UTF-8"?>
<project xmlns="http://maven.apache.org/POM/4.0.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/maven-v4_0_0.xsd">
  <modelVersion>4.0.0</modelVersion>
  <groupId>com.tis</groupId>
  <artifactId>myshop</artifactId>
  <name>Spring02MVC</name>
  <packaging>war</packaging>
  <version>1.0.0-BUILD-SNAPSHOT</version>
  <properties>
    <java-version>1.8</java-version>
    <org.springframework-version>5.0.7-RELEASE</org.springframework-version>
    <org.aspectj-version>1.9.0</org.aspectj-version>
    <org.slf4j-version>1.6.6</org.slf4j-version>
  </properties>
  <dependencies>
    <!-- Spring -->
    <dependency>
      <groupId>org.springframework</groupId>
      <artifactId>spring-context</artifactId>
      <version>${org.springframework-version}</version>
      <exclusions>
        <!-- Exclude Commons Logging in favor of SLF4j -->
        <exclusion>
          <groupId>commons-logging</groupId>
          <artifactId>commons-logging</artifactId>
        </exclusion>
      </exclusions>
    </dependency>
    <dependency>
      <groupId>org.springframework</groupId>
      <artifactId>spring-webmvc</artifactId>
      <version>${org.springframework-version}</version>
    </dependency>

    <!-- AspectJ -->
    <dependency>
```



```

36
37 <!-- AspectJ -->
38 <dependency>
39   <groupId>org.aspectj</groupId>
40   <artifactId>aspectjrt</artifactId>
41   <version>${org.aspectj-version}</version>
42 </dependency>
43
44 <!-- Logging -->
45 <dependency>
46   <groupId>org.slf4j</groupId>
47   <artifactId>slf4j-api</artifactId>
48   <version>${org.slf4j-version}</version>
49 </dependency>
50 <dependency>
51   <groupId>org.slf4j</groupId>
52   <artifactId>jcl-over-slf4j</artifactId>
53   <version>${org.slf4j-version}</version>
54   <scope>runtime</scope>
55 </dependency>
56 <dependency>
57   <groupId>org.slf4j</groupId>
58   <artifactId>slf4j-log4j12</artifactId>
59   <version>${org.slf4j-version}</version>
60   <scope>runtime</scope>
61 </dependency>
62 <dependency>
63   <groupId>log4j</groupId>
64   <artifactId>log4j</artifactId>
65   <version>1.2.15</version>
66 <exclusions>
67   <exclusion>
68     <groupId>javax.mail</groupId>
69     <artifactId>mail</artifactId>
70   </exclusion>
71 <exclusion>
72   <groupId>javax.jms</groupId>

```

```

71 <exclusion>
72   <groupId>javax.jms</groupId>
73   <artifactId>jms</artifactId>
74 </exclusion>
75 <exclusion>
76   <groupId>com.sun.jdmk</groupId>
77   <artifactId>jmxtools</artifactId>
78 </exclusion>
79 <exclusion>
80   <groupId>com.sun.jmx</groupId>
81   <artifactId>jmxri</artifactId>
82 </exclusion>
83 </exclusions>
84 <!-- <scope>runtime</scope> -->
85 </dependency>
86
87 <!-- @Inject -->
88 <dependency>
89   <groupId>javax.inject</groupId>
90   <artifactId>javax.inject</artifactId>
91   <version>1</version>
92 </dependency>
93
94 <!-- Servlet version 3.1 modify -->
95 <dependency>
96   <groupId>javax.servlet</groupId>
97   <artifactId>javax.servlet-api</artifactId>
98   <version>3.1.0</version>
99   <scope>provided</scope>
100 </dependency>
101 <dependency>
102   <groupId>javax.servlet.jsp</groupId>
103   <artifactId>jsp-api</artifactId>
104   <version>2.1</version>
105   <scope>provided</scope>
106 </dependency>
107 <dependency>
108   <groupId>javax.servlet</groupId>

```

```

108     <groupId>javax.servlet</groupId>
109     <artifactId>jstl</artifactId>
110     <version>1.2</version>
111 </dependency>
112
113 <!-- Test -->
114 <dependency>
115     <groupId>junit</groupId>
116     <artifactId>junit</artifactId>
117     <version>4.7</version>
118     <scope>test</scope>
119 </dependency>
120
121 <!-- Add My Module === -->
122 <dependency>
123     <groupId>org.springframework</groupId>
124     <artifactId>spring-test</artifactId>
125     <version>${org.springframework-version}</version>
126 </dependency>
127
128 <!-- https://mvnrepository.com/artifact/javax.annotation/javax.annotation-api -->
129 <dependency>
130     <groupId>javax.annotation</groupId>
131     <artifactId>javax.annotation-api</artifactId>
132     <version>1.3.2</version>
133 </dependency>
134
135 <!-- https://mvnrepository.com/artifact/org.projectlombok/lombok -->
136 <dependency>
137     <groupId>org.projectlombok</groupId>
138     <artifactId>lombok</artifactId>
139     <version>1.18.12</version>
140     <scope>provided</scope>
141 </dependency>
142

```

```

142
143 <!-- https://mvnrepository.com/artifact/org.mybatis/mybatis -->
144 <dependency>
145     <groupId>org.mybatis</groupId>
146     <artifactId>mybatis</artifactId>
147     <version>3.5.6</version>
148 </dependency>
149 <!-- https://mvnrepository.com/artifact/org.mybatis/mybatis-spring -->
150 <dependency>
151     <groupId>org.mybatis</groupId>
152     <artifactId>mybatis-spring</artifactId>
153     <version>1.3.2</version>
154 </dependency>
155 <!-- https://mvnrepository.com/artifact/org.springframework/spring-ibatis -->
156 <dependency>
157     <groupId>org.springframework</groupId>
158     <artifactId>spring-ibatis</artifactId>
159     <version>2.0.8</version>
160 </dependency>
161
162 <!-- spring jdbc module -->
163 <!-- https://mvnrepository.com/artifact/org.springframework/spring-jdbc -->
164 <dependency>
165     <groupId>org.springframework</groupId>
166     <artifactId>spring-jdbc</artifactId>
167     <version>${org.springframework-version}</version>
168 </dependency>
169
170 <!-- https://mvnrepository.com/artifact/org.apache.commons/commons-dbcp2 -->
171 <dependency>
172     <groupId>org.apache.commons</groupId>
173     <artifactId>commons-dbcp2</artifactId>
174     <version>2.1.1</version>
175 </dependency>
176

```

```
176
177 日 <!-- Oracle Driver (maven중앙 저장소에 없음) 로컬에 가지고 있는 ojdbc6.jar로 설정하자 <dependency>
178      <groupId>com.oracle</groupId> <artifactId>ojdbc6</artifactId> <version>11.2.0.3</version>
179      <scope>system</scope> <systemPath>${basedir}/src/main/webapp/WEB-INF/lib/ojdbc6.jar</systemPath>
180      </dependency> -->
181
182  <!-- https://mvnrepository.com/artifact/com.oracle.database.jdbc/ojdbc6 -->
183  日 <dependency>
184      <groupId>com.oracle.database.jdbc</groupId>
185      <artifactId>ojdbc6</artifactId>
186      <version>11.2.0.4</version>
187  </dependency>
188
189
190
191  <!-- File Upload -->
192  <!-- https://mvnrepository.com/artifact/commons-fileupload/commons-fileupload -->
193  日 <dependency>
194      <groupId>commons-fileupload</groupId>
195      <artifactId>commons-fileupload</artifactId>
196      <version>1.3.3</version>
197  </dependency>
198
199  <!-- https://mvnrepository.com/artifact/commons-io/commons-io -->
200  日 <dependency>
201      <groupId>commons-io</groupId>
202      <artifactId>commons-io</artifactId>
203      <version>2.4</version>
204  </dependency>
205
206  <!-- Ajax JSON (json, xml, yaml, csv) -->
207  <!-- https://mvnrepository.com/artifact/com.fasterxml.jackson.core/jackson-core -->
208  日 <dependency>
209      <groupId>com.fasterxml.jackson.core</groupId>
210      <artifactId>jackson-core</artifactId>
211      <version>2.9.8</version>
212  </dependency>
```

```

206 <!-- Ajax JSON (json, xml, yaml, csv) -->
207 <!-- https://mvnrepository.com/artifact/com.fasterxml.jackson.core/jackson-core -->
208 <dependency>
209     <groupId>com.fasterxml.jackson.core</groupId>
210     <artifactId>jackson-core</artifactId>
211     <version>2.9.8</version>
212 </dependency>
213 <!-- https://mvnrepository.com/artifact/com.fasterxml.jackson.dataformat/jackson-dataformat-yaml -->
214 <dependency>
215     <groupId>com.fasterxml.jackson.dataformat</groupId>
216     <artifactId>jackson-dataformat-yaml</artifactId>
217     <version>2.9.8</version>
218 </dependency>
219
220 </dependencies>
221 <build>
222     <plugins>
223         <plugin>
224             <artifactId>maven-eclipse-plugin</artifactId>
225             <version>2.9</version>
226             <configuration>
227                 <additionalProjectnatures>
228                     <projectnature>org.springframework.ide.eclipse.core.springnature</projectnature>
229                 </additionalProjectnatures>
230                 <additionalBuildcommands>
231                     <buildcommand>org.springframework.ide.eclipse.core.springbuilder</buildcommand>
232                 </additionalBuildcommands>
233                 <downloadSources>true</downloadSources>
234                 <downloadJavadocs>true</downloadJavadocs>
235             </configuration>
236         </plugin>
237         <plugin>
238             <groupId>org.apache.maven.plugins</groupId>
239             <artifactId>maven-compiler-plugin</artifactId>
240             <version>2.5.1</version>
241             <configuration>
242                 <source>1.8</source>
243                 <target>1.8</target>

```



- ✖ Pom.xml에서 에러가 날 경우 Maven에서 스프링 관련 jar파일들을 다운로드 하는 중에 문제가 발생한 경우가 대부분이다.
- ✖ 그럴 때는 이클립스를 종료하고 .m2 아래 repository 폴더 안을 삭제한 후 이클립스를 재시작해보자.