

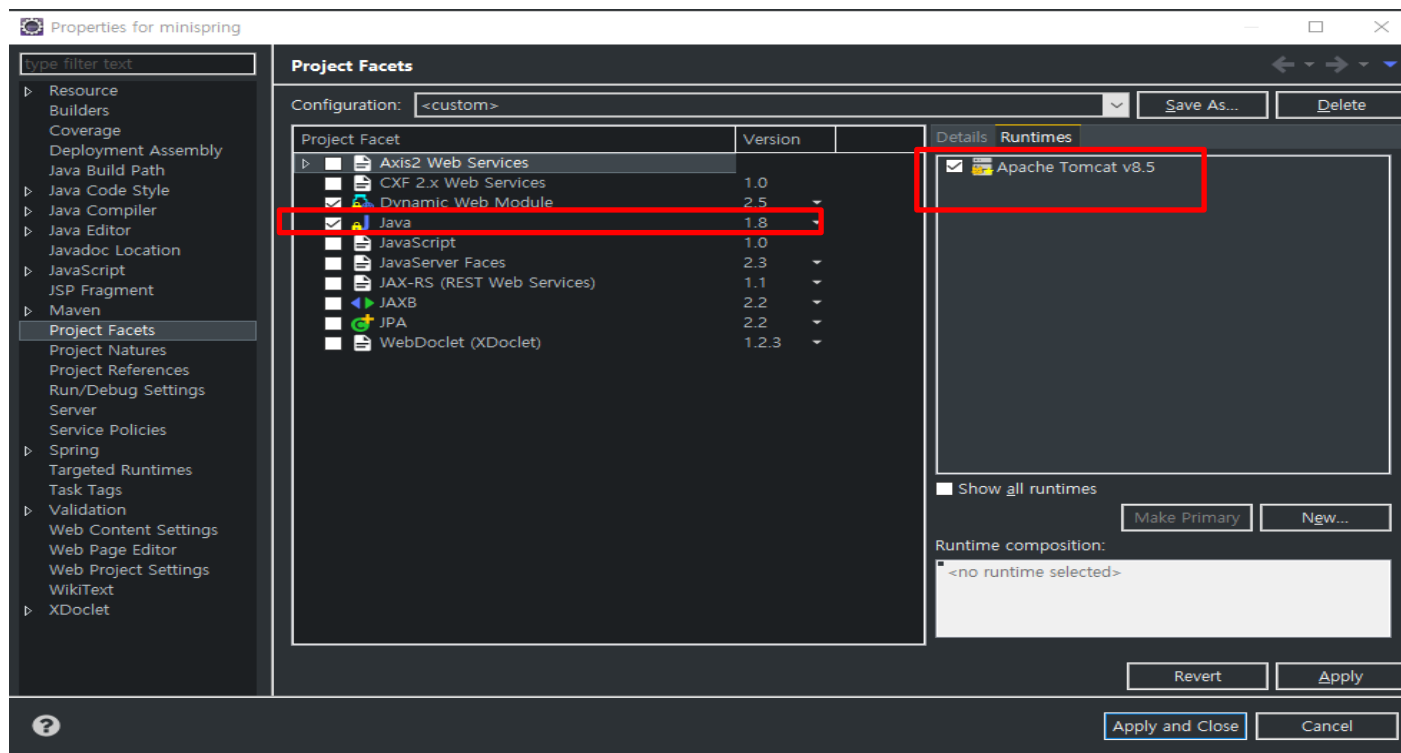
## myBatis spring설정(mvc2)

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1. project facets : jdk, tomcat
2. pom.xml
  - 1)jdk, fwork
  - 2)repository
  - 3)mvn dependency 5개 설정
    - driver, dbcp
    - mybatis, mybatis-spring, spring-jdbc
3. context파일에 빈 설정
  - 1) dbcp: driver, url, user, pw설정  
(db.properties) => ns: context설정
  - 2) mybatis: 설정된 객체의 주소만 넣어서 객체 생성
  - 3) mybatis factory: dbcp설정, mybatis설정 파일 지정
4. myBatis설정파일
  - 1) mapper파일: 테이블당 보통 하나씩 만든다.
  - 2) config파일: mapper파일 관리, 별명 설정
5. mvc에 맞게 구현
  - 1)입력화면
  - 2)컨트롤러
  - 3)dao객체 사용: dao내에 mybatis주입
  - 4)views화면

Login.jsp minispring/pom.xml springproject/pom.xml

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
3   xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 https://maven.apache.org/maven-v4_0_0.xsd">
4   <modelVersion>4.0.0</modelVersion>
5   <groupId>com.mega</groupId>
6   <artifactId>mini</artifactId>
7   <name>minispring</name>
8   <packaging>war</packaging>
9   <version>1.0.0-BUILD-SNAPSHOT</version>
10  <properties>
11    <java-version>1.8</java-version>
12    <org.springframework-version>5.0.1.RELEASE</org.springframework-version>
13    <org.aspectj-version>1.6.10</org.aspectj-version>
14    <org.slf4j-version>1.6.6</org.slf4j-version>
15  </properties>
16  <dependencies>
```



```

<!-- https://mvnrepository.com/artifact/org.mybatis/mybatis -->
<!-- 구글의 mybatis 라이브러리 : dbcp + jdbc3~4단계를 해줌 -->
<dependency>
    <groupId>org.mybatis</groupId>
    <artifactId>mybatis</artifactId>
    <version>3.4.0</version>
</dependency>

<!-- https://mvnrepository.com/artifact/commons-dbcp/commons-dbcp -->
<!-- jdbc1-2단계까지 해주는 dbcp 라이브러리 기능 추가 -->
<dependency>
    <groupId>commons-dbcp</groupId>
    <artifactId>commons-dbcp</artifactId>
    <version>1.4</version>
</dependency>

<!-- https://mvnrepository.com/artifact/mysql/mysql-connector-java -->
<!-- mysql 연결 커넥터 -->
<dependency>
    <groupId>mysql</groupId>
    <artifactId>mysql-connector-java</artifactId>
    <version>5.1.46</version>
</dependency>

<!-- https://mvnrepository.com/artifact/org.springframework/spring-jdbc -->
<!-- spring 확장 기능 추가 -->
<dependency>
    <groupId>org.springframework</groupId>
    <artifactId>spring-jdbc</artifactId>
    <version>5.0.1.RELEASE</version>
</dependency>

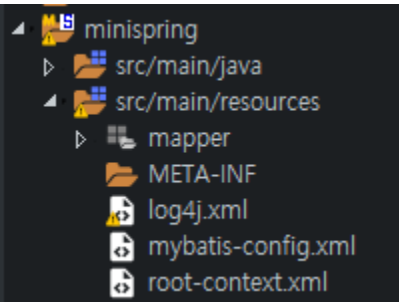
<!-- https://mvnrepository.com/artifact/org.mybatis/mybatis-spring -->
<!-- spring + mybatis 연결 라이브러리 -->
<dependency>
    <groupId>org.mybatis</groupId>
    <artifactId>mybatis-spring</artifactId>
    <version>1.3.2</version>

```

Pom.xml

# web.xml

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <web-app version="2.5" xmlns="http://java.sun.com/xml/ns/javaee"
3     xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
4     xsi:schemaLocation="http://java.sun.com/xml/ns/javaee https://java.sun.com/xml/ns/javaee/web-app_2_5.xsd">
5
6     <!-- The definition of the Root Spring Container shared by all Servlets and Filters -->
7     <context-param>
8         <param-name>contextConfigLocation</param-name>
9         <param-value>classpath:root-context.xml</param-value>
10    </context-param>
11
12    <!-- Creates the Spring Container shared by all Servlets and Filters -->
13    <listener>
14        <listener-class>org.springframework.web.context.ContextLoaderListener</listener-class>
15    </listener>
16
17    <!-- Processes application requests -->
18    <servlet>
19        <servlet-name>appServlet</servlet-name>
20        <servlet-class>org.springframework.web.servlet.DispatcherServlet</servlet-class>
21        <init-param>
22            <param-name>contextConfigLocation</param-name>
23            <param-value>/WEB-INF/spring/appServlet/servlet-context.xml</param-value>
24        </init-param>
25        <load-on-startup>1</load-on-startup>
26    </servlet>
27
28    <servlet-mapping>
29        <servlet-name>appServlet</servlet-name>
30        <url-pattern>/</url-pattern>
31    </servlet-mapping>
32
33 </web-app>
34
```



## Root-context.xml

```
web.xml  mybatis-config.xml  root-context.xml
1 <?xml version="1.0" encoding="UTF-8"?>
2 <beans xmlns="http://www.springframework.org/schema/beans"
3       xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
4       xsi:schemaLocation="http://www.springframework.org/schema/beans http://www.springframework.org/schema/beans/spring-beans.xsd">
5
6
7 <bean id="mybatis" class="org.mybatis.spring.SqlSessionTemplate">
8   <constructor-arg ref="config"></constructor-arg>
9 </bean>
10
11 <!-- mybatis설정만 담당하는 라이브러리: sql객체 생성-->
12 <bean id="config" class="org.mybatis.spring.SqlSessionFactoryBean">
13   <property name="configLocation" value="classpath:mybatis-config.xml"></property>
14   <property name="dataSource" ref="dbcp"></property>
15 </bean>
16
17 <!-- DBCP dbcp = new DBCP(); -->
18 <bean id="dbcp" class="org.apache.commons.dbcp.BasicDataSource">
19   <property name="driverClassName" value="com.mysql.jdbc.Driver"></property>
20   <property name="url" value="jdbc:mysql://localhost:3366/shop"></property>
21   <property name="username" value="root"></property>
22   <property name="password" value="1234"></property>
23 </bean>
24
25 </beans>
26
```

## Mybatis-config.xml

```
1 <?xml version="1.0" encoding="UTF-8" ?>
2 <!DOCTYPE configuration
3   PUBLIC "-//mybatis.org//DTD Config 3.0//EN"
4   "http://mybatis.org/dtd/mybatis-3-config.dtd">
5 <configuration>
6   <typeAliases>
7     <typeAlias type="com.mega.mini.MemberVO" alias="memberVO"></typeAlias>
8   </typeAliases>
9   <mappers>
10    <mapper resource="mapper/memberMapper.xml" />
11  </mappers>
12 </configuration>
```

web.xml   mybatis-config.xml   root-context.xml   memberMapper.xml

```
1 <?xml version="1.0" encoding="UTF-8" ?>
2 <!DOCTYPE mapper PUBLIC "-//mybatis.org//DTD Mapper 3.0//EN"
3   "http://mybatis.org/dtd/mybatis-3-mapper.dtd">
4
5 <mapper namespace="member">
6   <insert id="insert" parameterType="memberVO">
7     insert into MEMBER values (#{id}, #{pw}, #{name}, #{tel})
8   </insert>
9   <delete id="delete" parameterType="memberVO">
10    delete from MEMBER where id = #{id}
11  </delete>
12  <update id="update" parameterType="memberVO">
13    update MEMBER set tel = #{tel} where id = #{id}
14  </update>
15  <select id="select" parameterType="memberVO">
16    select * from MEMBER where id = #{id}
17  </select>
18 </mapper>
19
```

mapper  
memberMapper.xml