

Classic Models Online Shop Web App

- Create JavaEE project

- Name: **classicmodels**
- Template: **Web Application**
- Group: **sit.int202**
- Application server: **Tomcat 10.0.xxx**

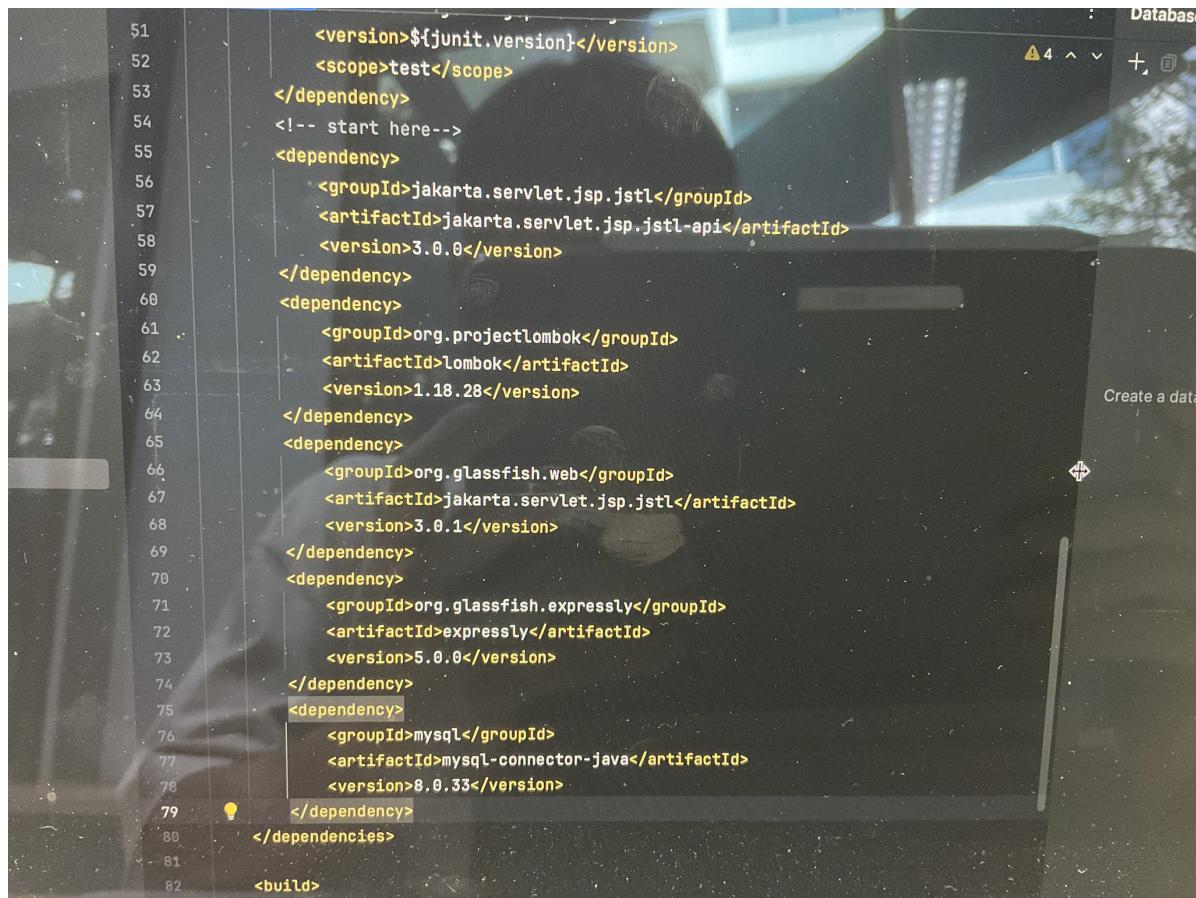
-
- Version: **Jakarta EE 9**

- Dependencies:

- Specifications:
 - **Servlet**
 - **Persistence (JPA)** ↗ *interface spec*
- Implementations:
 - **Hibernate** ↗ *own implement*
 - **Hibernate Validator**

Other Dependencies:

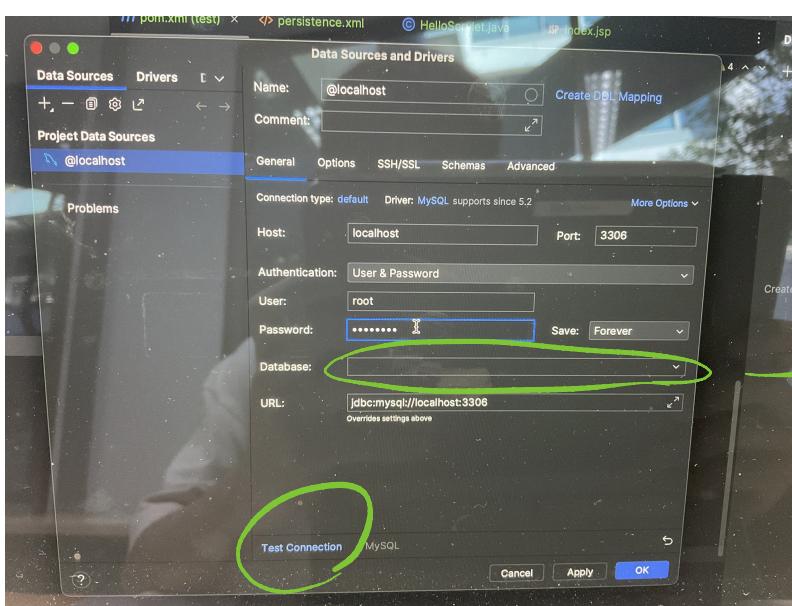
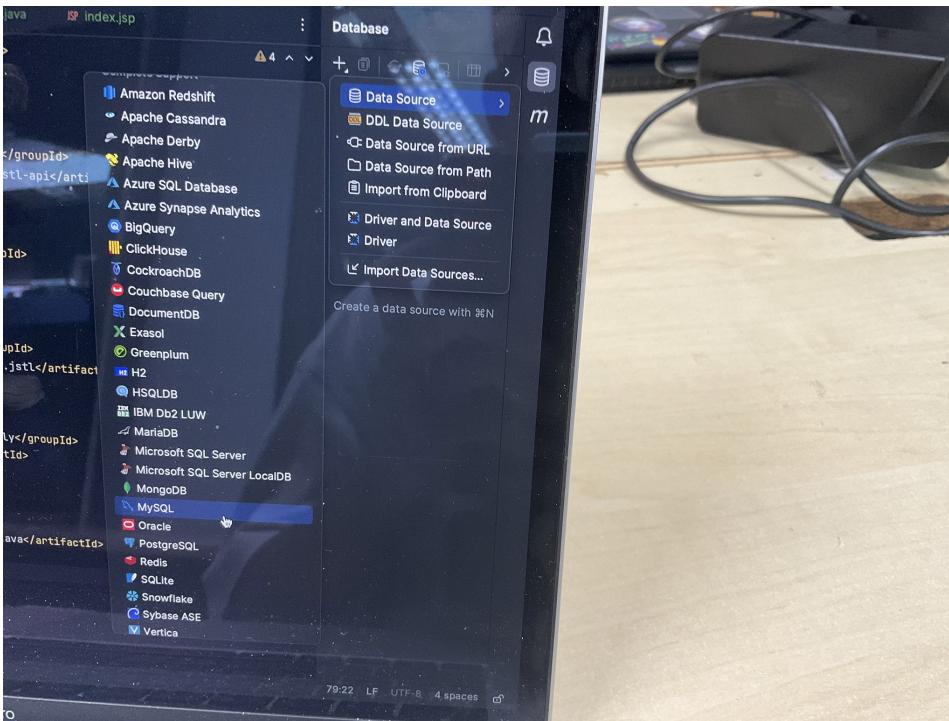
- Project Lombok 1.18.2x
- JSTL 3.0.x ↗ *glassfish*
- MySQL Connector 8.0.3x ↗ *mysql* ↗ *connector-java*
- Eclipse Expressly 5.0.x



```

51     <version>${junit.version}</version>
52     <scope>test</scope>
53   </dependency>
54   <!-- start here-->
55   <dependency>
56     <groupId>jakarta.servlet.jsp.jstl</groupId>
57     <artifactId>jakarta.servlet.jsp.jstl-api</artifactId>
58     <version>3.0.0</version>
59   </dependency>
60   <dependency>
61     <groupId>org.projectlombok</groupId>
62     <artifactId>lombok</artifactId>
63     <version>1.18.28</version>
64   </dependency>
65   <dependency>
66     <groupId>org.glassfish.web</groupId>
67     <artifactId>jakarta.servlet.jsp.jstl</artifactId>
68     <version>3.0.1</version>
69   </dependency>
70   <dependency>
71     <groupId>org.glassfish.expressly</groupId>
72     <artifactId>expressly</artifactId>
73     <version>5.0.0</version>
74   </dependency>
75   <dependency>
76     <groupId>mysql</groupId>
77     <artifactId>mysql-connector-java</artifactId>
78     <version>8.0.33</version>
79   </dependency>
80 </dependencies>
81
82 <build>

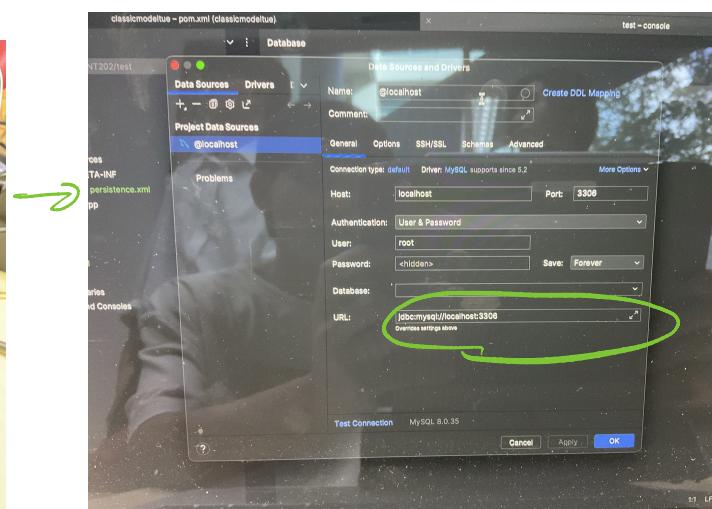
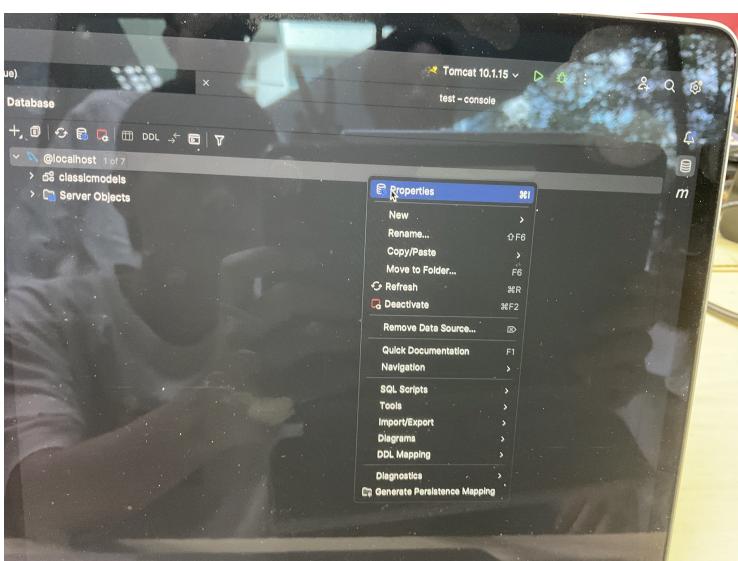
```



no test არ მართვის

Schema

გაი სურ არ არა



Set Up Persistence

The screenshot shows an IDE interface with several tabs: pom.xml (test!), persistence.xml, HelloServlet.java, and index.jsp. The persistence.xml tab is active, displaying the XML configuration for a persistence unit named 'classic-models'. The configuration includes provider information (org.hibernate.jpa.HibernatePersistenceProvider), class mappings (sit.int202.test1.Entity.Offic and sit.int202.test1.Entity.Employee), and properties for JDBC connection (driver, user, password, url, dialect). A tooltip for the 'url' property indicates it is a complex type string from the jakarta.persistence namespace, with a Maven dependency listed: jakarta.persistence:jakarta.persistence-api:3.0.0 (jakarta.persistence-api-3.0.0.jar). The right side of the screen shows the project structure in the 'Project' view, with a file named 'src/main/java/sit/int202/test1/Entity/Office.java' highlighted. Handwritten annotations include 'Create Persistence' with arrows pointing to the persistence-unit and provider sections, and 'Group + Artifact' with an arrow pointing to the project tree.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<persistence xmlns="https://jakarta.ee/xml/ns/persistence"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:schemalocation="https://jakarta.ee/xml/ns/persistence https://jakarta.ee/xml/ns/persistence_3_0.xsd"
    version="3.0">
    <persistence-unit name="classic-models">
        <provider>org.hibernate.jpa.HibernatePersistenceProvider</provider>
        <class>sit.int202.test1.Entity.Offic</class>
        <class>sit.int202.test1.Entity.Employee</class>
        <properties>
            <property name="jakarta.persistence.jdbc.driver" value="com.mysql.cj.jdbc.Driver"/>
            <property name="jakarta.persistence.jdbc.user" value="root"/>
            <property name="jakarta.persistence.jdbc.password" value="rootheee"/>
            <property name="jakarta.persistence.jdbc.url" value="jdbc:mysql://localhost:3306/classicmodel">
            <property name="hibernate.dialect" value="org.hibernate.dialect.MySQLDialect"/>
        </properties>
    </persistence-unit>
</persistence>
```