

Database setup

Database: MYSQL

To create local database:

Enter the database folder. There is testdata.sql file, which contains the example data and the correct structure.

Import it into the local MYSQL.

The structure of database:

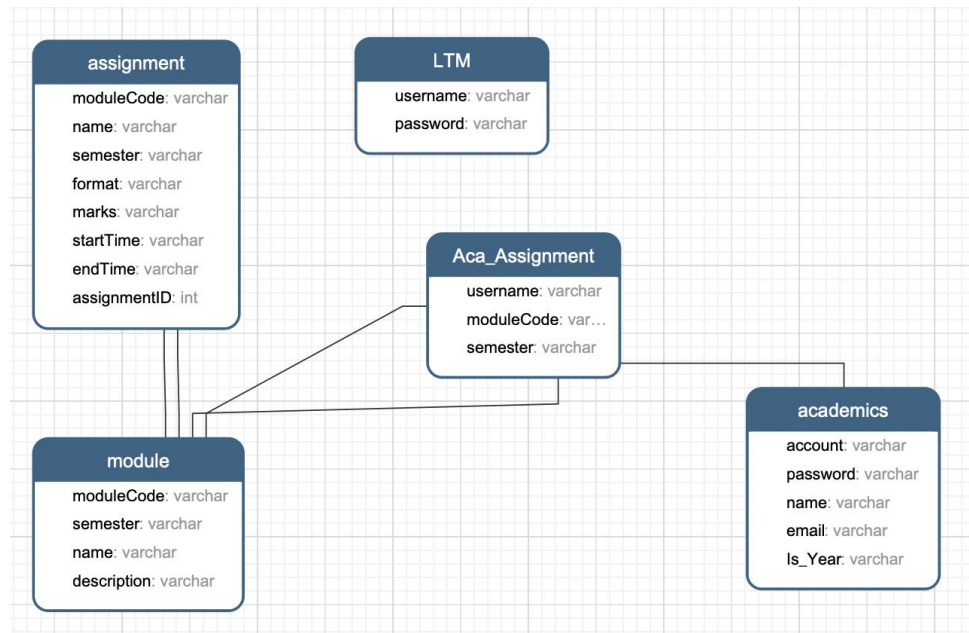


Figure 1. database structure

Database connection:

In applicationContext.xml, firstly, change the URL, username, password into the dataSource bean in Fig. 2.

If user uses local database, change the port and database name in url, username and password in dataSource bean.

```
<bean id="dataSource" class="org.apache.commons.dbcp.BasicDataSource" destroy-method="close">
    <property name="driverClassName" value="com.mysql.jdbc.Driver" />
    <property name="url" value="jdbc:mysql://localhost:3306/testdata?serverTimezone=UTC" />
    <property name="username" value="root" />
    <property name="password" value="password" />
</bean>
```

Figure 2. the dataSource bean

Then, in the sessionFactory bean, change the hibernate.connection.url to users MYSQL URL in Fig. 3.

If user uses local database, only change the port and database name in url.

```
<property name="hibernateProperties">
  <props>
    <prop key="hibernate.dialect">org.hibernate.dialect.MySQLDialect</prop>
    <prop key="hibernate.show_sql">true</prop>
    <prop key="hibernate.format_sql">true</prop>
    <prop key="hbm2ddl.auto">update</prop>
    <prop key="hibernate.connection.url">jdbc:mysql://localhost:3306/testdata</prop>
    <prop key="hibernate.connection.driver_class">com.mysql.jdbc.Driver</prop>
  </props>
</property>
```

Figure 3. sessionFactory bean