POM

<dependencies>

<dependency>

<groupId>junit</groupId>

<artifactId>junit</artifactId>

<version>3.8.1</version>

<scope>test</scope>

</dependency>

<!-- Dependency for Spring Web MVC to be added -->

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-webmvc</artifactId>

<version>5.0.2.RELEASE</version>

</dependency>

<dependency>

<groupId>javax.servlet</groupId>

<artifactId>javax.servlet-api</artifactId>

<version>4.0.0</version>

<scope>provided</scope>

</dependency>

<!-- Dependency for spring orm to be added -->

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-orm</artifactId>

<version>5.0.2.RELEASE</version>

</dependency>

<dependency>

<groupId>javax.servlet</groupId>

<artifactId>jstl</artifactId>

<version>1.2</version>

</dependency>

<dependency>

<groupId>org.hibernate</groupId>

<artifactId>hibernate-core</artifactId>

<version>5.2.17.Final</version>

</dependency>

<dependency>

<groupId>mysql</groupId>

<artifactId>mysql-connector-java</artifactId>

<version>8.0.16</version>

</dependency>

<!-- https://mvnrepository.com/artifact/org.apache.commons/commons-dbcp2 -->

<dependency>

<groupId>org.apache.commons</groupId>

<artifactId>commons-dbcp2</artifactId>

<version>2.1.1</version>

</dependency>

<dependency>

<groupId>junit</groupId>

<artifactId>junit</artifactId>

<version>4.12</version>

<scope>test</scope>

</dependency>

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-test</artifactId>

<version>5.0.4.RELEASE</version>

</dependency>

<dependency>

<groupId>org.mockito</groupId>

<artifactId>mockito-core</artifactId>

<version>2.28.2</version>

<scope>test</scope>

</dependency>

</dependencies>

APPLIATIONCONFIG

import java.util.Properties;

import javax.sql.DataSource;

import org.apache.commons.dbcp2.BasicDataSource;

import org.hibernate.SessionFactory;

import org.springframework.beans.factory.annotation.Autowired;

import org.springframework.context.annotation.Bean;

import org.springframework.context.annotation.Configuration;

import org.springframework.orm.hibernate5.HibernateTransactionManager;

import org.springframework.orm.hibernate5.LocalSessionFactoryBuilder;

import org.springframework.transaction.annotation.EnableTransactionManagement;

@Configuration

@EnableTransactionManagement

public class ApplicationContextConfig {

@Bean(name="dataSource")

@Autowired

public DataSource mydataSource() {

BasicDataSource dataSource=new BasicDataSource();

dataSource.setDriverClassName("com.mysql.cj.jdbc.Driver");

dataSource.setUrl("jdbc:mysql://localhost:3306/university");

dataSource.setUsername("root");

dataSource.setPassword("password");

return dataSource;

}

public Properties getprop() {

Properties properties=new Properties();

properties.setProperty("hibernate.dialect", "org.hibernate.dialect.MySQL5Dialect");

properties.setProperty("hibernate.show\_sql", "true");

properties.setProperty("hibernate.hbm2ddl.auto", "update");

return properties;

}

@Bean(name="sessionFactory")

@Autowired

public SessionFactory getsessionFactory(DataSource dataSource) {

LocalSessionFactoryBuilder sessionFactory=new LocalSessionFactoryBuilder(dataSource);

sessionFactory.addProperties(getprop());

sessionFactory.scanPackages("com.stackroute.myorm.model");

return sessionFactory.buildSessionFactory();

}

@Bean(name="transact")

@Autowired

public HibernateTransactionManager getTransactionManager(SessionFactory sessionFactory)

{

HibernateTransactionManager transact=new HibernateTransactionManager();

transact.setSessionFactory(sessionFactory);

return transact;

}

}