Full working Spring MVC and Hibernate which commincate to db

CRM-- Customer Relation Project

- track customer

-add, udpate ,delete and list customer

Setup DB environment

- list Consumers

- save new

-update

-delete

Define table

1 create user

2 customer\_tracker

Create DB and SCehame create Table Customer and load with some simple data

Schema **crm**

create table

create table customer(id serial PRIMARY KEY, first\_name VARCHAR(50),last\_name VARCHAR(50), email VARCHAR(50))

insert into customer VALUES

(1,'sachin','hs','sachin.hs@bcits.in'),

(2,'soumya','indi','soumya.indi@bcits.in'),

(3,'darshan','gowda','darshan@bcits.in'),

(4,'manasa','gowda','manasa@bcits.in'),

(5,'diyan','gowda','diyan@bcits.in')

Test DB connection

1 setup eclipse

2 add jdbc driver for postgress also servlet Api if its Servlet program

3 santiy test to make sure we can connect

Set up Web Environment

1 copy starter config files

* Web.xml and spring config

2 copy jstl lib

3 copy spring jars

4 copy hibernate jars (required jars also optional of c3p0 jars for connection pool)

**JAVA 9 and higher HEADS UP- SPRING MVC CRUD**

For Java 9 and higher, you need to additional JAR files.

You need to download the following JAR files:

javax.activation-1.2.0.jar

jaxb-api-2.3.0.jar

jaxb-core-2.3.0.jar

jaxb-impl-2.3.0.jar

Configuration for spring and hibernate

1 define database datasource / connection pool

2 setup hibernate session factory

3 setup hibernate transaction manager

4 enable configuration of transactional manager

Add all these in spring dispatcher servlet

1 Define Database Datasource /connection pool

Hibernate use connection pool for connecting database

<bean id=*"myDataSource"* class=*"com.mchnage.v2.c3p0.ComboPooledDataSource"* destroy-method=*"close"*>

Next data base confirmation information

<property name=*"driverClass"* value=*"org.postgresql.Driver"*/>

<property name=*"jdbcUrl"* value=*"jdbc:postgresql://localhost:6412/personal?currentSchema=crm"*/>

<property name=*"user"* value=*"postgres"*/>

<property name=*"password"* value=*"postgress"*/>

Config connection pool for c3p0

We can specify the minium connection pool

<!-- connection properties of c3p0 -->

<property name=*"minPoolSize"* value=*"5"*/>

<property name=*"maxPoolSize"* value=*"25"*/>

<property name=*"maxIdleTime"* value=*"30000"*/>

2 Hibernate SessionFactory