02 - DAO_Data_Base_Connectivity

jdbc-sample-data.sql

SQL to create the class tables

mySQL data base manager

vegasdb database

| gambler table | casino table | dealer table | host table |

dataSource object

Java Program with SQL

JdbcTemplate methods

JDBC-DAO
(framework)

A Java program must connect to the database it wants to use for it's SQL.

JDBC-DAO is a framework to allow Java programs easier access to databases.

JdbcTemplate methods are used by Java programs to run and manage SQL.
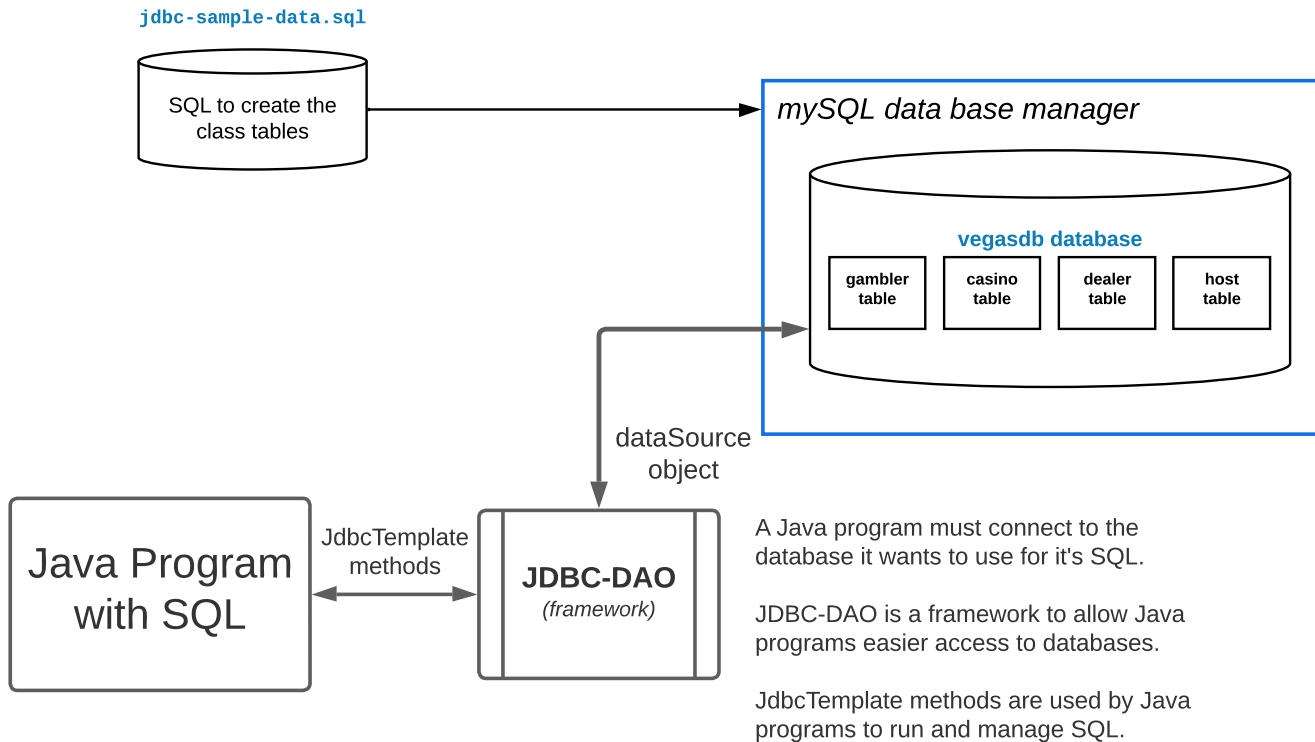
Spring JDBC DAO Components:

1. DAO POJO - Java Class for the table - *table-name*.java

2. DAO Interface - C.R.U.D. (and other methods) required - *table-nameDao*.java

3. DAO Concrete Class - Implentation for DAO Interface- *datasourcetypeTable-nameDao*.java

All are put in package named: *basepackagename*.tablename

Relationship between Application Program, JDBCDao and Data Base:

queryForRowSet()
update()

Application Program
(Java)

method call

JDBC DAO Method
(Java)

SQL

Table(s) in Data Base

Java Object
(POJO)

SqlRowSet
for SELECT
(one or more rows)

MapRowToObject - creates the Java Object from the table data

Java works with objects which are instances of a class

Java Class
(POJO)