package sample;

import java.io.BufferedReader;

import java.io.IOException;

import java.io.InputStreamReader;

import java.util.List;

import javax.persistence.Query;

import org.hibernate.Session;

import org.hibernate.SessionFactory;

import org.hibernate.cfg.Configuration;

import sample.Item;

import sample.User;

public class Solution {

public static void main(String[] args) throws IOException {

BufferedReader cons = new BufferedReader(new InputStreamReader(System.in));

User user = new User();

user.setUsername("guru");

user.setPassword("gurumurthy");

SessionFactory sf = new Configuration().configure().buildSessionFactory();

Session session = sf.openSession();

session.beginTransaction();

session.save(user);

session.getTransaction().commit();

Query query=session.createQuery("from User");

User user1=(User) query.getSingleResult();

System.out.print("Username :");

String username=cons.readLine();

System.out.print("Password :");

String password=cons.readLine();

if (user1.getUsername().equals(username) && user1.getPassword().equals(password)){

System.out.println("Login Success");

boolean flag = false;

while (true) {

System.out.print("1.Create 2.Retrieve 3.Update 4.Delete 5.View All\n Choice:");

switch (Integer.parseInt(cons.readLine())) {

case 1:

Item item = new Item();

System.out.print("Enter the item id:");

item.setId(Integer.parseInt(cons.readLine()));

System.out.println("Enter the item name:");

item.setName(cons.readLine());

System.out.println("Enter the item prize:");

item.setPrice(Double.parseDouble(cons.readLine()));

session.beginTransaction();

session.save(item);

session.getTransaction().commit();

break;

case 2:

System.out.println("Enter the itemid to Retreview");

String id=cons.readLine();

query=session.createQuery("from Item where id=:id");

query.setParameter("id",Integer.parseInt(id));

Item item\_ret=(Item)query.getSingleResult();

if(item\_ret.getId()==Integer.parseInt(id))

{

System.out.println("item id is: "+item\_ret.getId());

System.out.println("item name is: "+item\_ret.getName());

System.out.println("item prize is: "+item\_ret.getPrice());

}

else

System.out.println("Item Not found with this id #" + id);

break;

case 3:

System.out.println("Enter the itemid to update");

String id1=cons.readLine();

query=session.createQuery("from Item where id=:id");

query.setParameter("id",Integer.parseInt(id1));

Item item1=(Item)query.getSingleResult();

if(item1.getId()==Integer.parseInt(id1))

{

System.out.println("Enter the item name:");

Item item2 = new Item();

item1.setName(cons.readLine());

System.out.println("Enter the item prize:");

item1.setPrice(Double.parseDouble(cons.readLine()));

query=session.createQuery("UPDATE Item item SET item.name=:name\_up,prize=:prize\_up WHERE id=:id");

query.setParameter("id",Integer.parseInt(id1));

query.setParameter("name\_up", item2.getName());

query.setParameter("prize\_up",item2.getPrice());

session.beginTransaction();

session.save(item1);

session.getTransaction().commit();

System.out.println("Item updated");

}

else

{

System.out.println("Item Not found with this id #" + id1);

}

break;

case 4:

System.out.println("Enter the itemid to Delete");

String id4=cons.readLine();

session.beginTransaction();

query=session.createQuery("DELETE FROM Item item WHERE item.id=:id");

query.setParameter("id",Integer.parseInt(id4));

query.executeUpdate();

session.getTransaction().commit();

break;

case 5:

query=session.createQuery("from Item");

List<Item> item\_all=query.getResultList();

for(Item each:item\_all)

{

System.out.println("item id is: "+each.getId());

System.out.println("item name is: "+each.getName());

System.out.println("item prize is: "+each.getPrice());

System.out.println("\n");

}

break;

default:

flag = true;

break;

}

if(flag)

break;

}

} else {

System.out.println("Invalid Login Details");

}

session.close();

}

}

<?xml version=*"1.0"* encoding=*"UTF-8"*?>

<!--

~ Hibernate, Relational Persistence for Idiomatic Java

~

~ License: GNU Lesser General Public License (LGPL), version 2.1 or later.

~ See the lgpl.txt file in the root directory or <http://www.gnu.org/licenses/lgpl-2.1.html>.

-->

<!DOCTYPE hibernate-configuration PUBLIC

"-//Hibernate/Hibernate Configuration DTD 3.0//EN"

"http://www.hibernate.org/dtd/hibernate-configuration-3.0.dtd">

<hibernate-configuration>

<session-factory>

<!-- Database connection settings -->

<property name=*"connection.driver\_class"*>com.mysql.jdbc.Driver</property>

<property name=*"connection.url"*>jdbc:mysql://localhost:3306/test</property>

<property name=*"connection.username"*>root</property>

<property name=*"connection.password"*></property>

<!-- JDBC connection pool (use the built-in) -->

<property name=*"connection.pool\_size"*>10</property>

<!-- SQL dialect -->

<property name=*"dialect"*>org.hibernate.dialect.MariaDB53Dialect</property>

<!-- Disable the second-level cache -->

<property name=*"cache.provider\_class"*>org.hibernate.cache.internal.NoCacheProvider</property>

<!-- Echo all executed SQL to stdout -->

<property name=*"show\_sql"*>true</property>

<!-- Drop and re-create the database schema on startup -->

<property name=*"hbm2ddl.auto"*>create</property>

<!-- Names the annotated entity class -->

<mapping class=*"sample.Item"*/>

<mapping class=*"sample.User"*/>

</session-factory>

</hibernate-configuration>

package sample;

import javax.persistence.Entity;

import javax.persistence.Id;

import javax.persistence.NamedQuery;

@Entity

@NamedQuery(name = "User.getByuserid", query = "select username,password from User where id=:id")

public class Item {

@Id

private Integer id;

private String name;

private double price;

public Integer getId() {

return id;

}

public void setId(Integer id) {

this.id = id;

}

public String getName() {

return name;

}

public void setName(String name) {

this.name = name;

}

public double getPrice() {

return price;

}

public void setPrice(double price) {

this.price = price;

}

public Item(Integer id, String name, double price) {

super();

this.id = id;

this.name = name;

this.price = price;

}

public Item() {

super();

}

}

package sample;

import javax.persistence.Entity;

import javax.persistence.Id;

@Entity

public class User {

@Id

private String username;

private String password;

public String getUsername() {

return username;

}

public void setUsername(String username) {

this.username = username;

}

public String getPassword() {

return password;

}

public void setPassword(String password) {

this.password = password;

}

public User(String username, String password) {

super();

this.username = username;

this.password = password;

}

public User() {

super();

}

}