**Adding a New Product to the Database**

**Index.html:**

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>Insert title here</title>

</head>

<body>

<form action=*"HibernateTestServlet"* method=*"get"*>

<h2>Enter Product Details..</h2>

Enter Product Id:<input type=*"text"* name=*"txtpId"*><br>

Enter Product Name:<input type=*"text"* name=*"txtpName"*><br>

Enter Product Price:<input type=*"text"* name=*"txtpPrice"*><br>

Enter Product Quantity:<input type=*"text"* name=*"txtpQty"*><br>

<input type=*"submit"* value=*"Click"*>

</form>

</body>

</html>

**Hibernate.cfg.xml:**

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

<!DOCTYPE hibernate-configuration PUBLIC

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

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

<hibernate-configuration>

<session-factory>

<property name=*"format\_sql"*>false</property>

<property name=*"connection.url"*>jdbc:mysql://localhost:3306/Phase2</property>

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

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

<property name=*"connection.password"*>abc@123</property>

<property name=*"connection.pool\_size"*>1</property>

<!-- SQL dialect -->

<property name=*"dialect"*>org.hibernate.dialect.MySQL5Dialect</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-drop</property>

<!-- <property name="hbm2ddl.auto">update</property> -->

<mapping class=*"beans.Product"*/>

</session-factory>

</hibernate-configuration>

**Product class:**

**package** beans;

**import** javax.persistence.Column;

**import** javax.persistence.Entity;

**import** javax.persistence.GeneratedValue;

**import** javax.persistence.GenerationType;

**import** javax.persistence.Id;

**import** javax.persistence.Table;

@Entity

@Table(name = "product")

**public** **class** Product {

@Id

@Column(name="id")

@GeneratedValue(strategy = GenerationType.***IDENTITY***)

**int** id;

@Column(name = "name")

String name;

@Column(name = "price")

**int** price;

@Column(name = "qty")

**int** qty;

**public** **int** getId() {

**return** id;

}

**public** **void** setId(**int** id) {

**this**.id = id;

}

**public** String getName() {

**return** name;

}

**public** **void** setName(String name) {

**this**.name = name;

}

**public** **int** getPrice() {

**return** price;

}

**public** **void** setPrice(**int** price) {

**this**.price = price;

}

**public** **int** getQty() {

**return** qty;

}

**public** **void** setQty(**int** qty) {

**this**.qty = qty;

}

}

**HibernateTestServlet:**

**package** service;

**import** java.io.File;

**import** java.io.IOException;

**import** javax.servlet.ServletException;

**import** javax.servlet.annotation.WebServlet;

**import** javax.servlet.http.HttpServlet;

**import** javax.servlet.http.HttpServletRequest;

**import** javax.servlet.http.HttpServletResponse;

**import** org.hibernate.Session;

**import** org.hibernate.SessionFactory;

**import** org.hibernate.cfg.Configuration;

**import** beans.Product;

@WebServlet("/HibernateTestServlet")

**public** **class** HibernateTestServlet **extends** HttpServlet {

**private** **static** **final** **long** ***serialVersionUID*** = 1L;

**void** register(Product user1){

SessionFactory sessionFactory=**new** Configuration().configure(**new** File("C:\\Users\\windows10\\eclipse-workspace\\AddingProductHibernate1\\src\\main\\java\\hibernate.cfg.xml")).buildSessionFactory();

Session session=sessionFactory.openSession();

session.beginTransaction();

session.save(user1);

session.getTransaction().commit();

}

**protected** **void** doGet(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {

Product user1=**new** Product();

**int** id=Integer.*parseInt*(request.getParameter("txtpId"));

String name=request.getParameter("txtpName");

**int** price=Integer.*parseInt*(request.getParameter("txtpPrice"));

**int** qty=Integer.*parseInt*(request.getParameter("txtpQty"));

user1.setId(id);

user1.setName(name);

user1.setPrice(price);

user1.setQty(qty);

register(user1);

System.***out***.println("Record added successfully");

}

}