ConcretePage.com

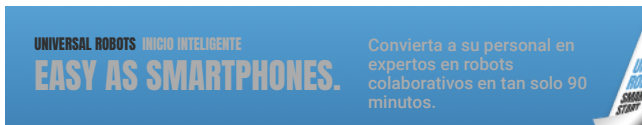HOME   JAVA   SPRING   FRAMEWORK   UTILITY   WEB SERVICES   WEB   TOOLS   ANGULAR   ANDROID   INTERVIEW   QUIZ   FORUM

Example of @OrderColumn in Hibernate

By Arvind Rai, May 22, 2013

@OrderColumn is used to store list index. As list is ordered collection so to maintain the list index there can be a column in database and while inserting the data list index will be stored in that column. For this the property in entity should be annotated with

```
@OrderColumn (name=�column name�)
```

Find the example to see @OrderColumn.

Country.java

```java
package com.concretepage.persistence;
import java.io.Serializable;
import java.util.List;
import javax.persistence.CascadeType;
import javax.persistence.Column;
import javax.persistence.Entity;
import javax.persistence.Id;
import javax.persistence.JoinColumn;
import javax.persistence.OneToMany;
import javax.persistence.OrderColumn;
@Entity
public class Country implements Serializable {
        private static final long serialVersionUID = 1L;
        @Id
        @Column(name="id")
        private int id;

        @Column(name="name")
        private String name;

        @OneToMany(cascade=CascadeType.ALL)
        @JoinColumn(name="country_id")
        @OrderColumn(name="list_index")
        private List<State> states;

        public Country(int id,String name,List<State> states){
                this.id=id;
                this.name=name;
                this.states=states;
        }
        public Country(){
        }
        public int getId() {
                return id;
        }
        public void setId(int id) {
                this.id = id;
        }
```

```java
        public String getName() {
                return name;
        }
        public void setName(String name) {
                this.name = name;
        }
        public List<State> getStates() {
                return states;
        }
        public void setStates(List<State> states) {
                this.states = states;
        }
}
```

Related Keywords

1	Email Template Design	›
2	Create a Website	›
3	SOAP Web Services	›
4	Cloud Website Hosting	›
5	Best Programming Tricks	›
6	Free Operating Systems	›

State.java

```java
package com.concretepage.persistence;
import javax.persistence.Column;
import javax.persistence.Entity;
import javax.persistence.Id;
import javax.persistence.Table;
@Entity
@Table(name = "state")
public class State {
        @Id
        @Column(name = "id")
        private int id;
        @Column(name = "name")
        private String name;
        public State(int id,int countryId,String name){
                this.id=id;
                this.name=name;
        }
        public State(){}
        public String getName() {
                return name;
        }
        public void setName(String name) {
                this.name = name;
        }
        public int getId() {
                return id;
        }
        public void setId(int id) {
                this.id = id;
        }
}
```

HibernateUtil.java

```java
package com.concretepage.util;
import java.util.ArrayList;
import java.util.List;
import java.util.Properties;
import org.hibernate.HibernateException;
import org.hibernate.Session;
import org.hibernate.SessionFactory;
import org.hibernate.cfg.AnnotationConfiguration;
import com.concretepage.persistence.Country;
import com.concretepage.persistence.State;

public class HibernateUtil {
        private static final SessionFactory concreteSessionFactory;
                static {
                 try {
                                Properties prop= new Properties();
                                prop.setProperty("hibernate.connection.url", "jdbc:mysql://localhost
                                prop.setProperty("hibernate.connection.username", "root");
                                prop.setProperty("hibernate.connection.password", "");
                                prop.setProperty("hibernate.hbm2ddl.auto", "update");
                                prop.setProperty("dialect", "org.hibernate.dialect.MySQLDialect");

                                concreteSessionFactory = new AnnotationConfiguration()
                            .addPackage("com.concretepage.persistence")
                                        .addProperties(prop)
                                        .addAnnotatedClass(Country.class)
                                        .addAnnotatedClass(State.class)
                                        .buildSessionFactory();
                 } catch (Throwable ex) {
                        throw new ExceptionInInitializerError(ex);
                 }
                }
                public static Session getSession()
                            throws HibernateException {
                        return concreteSessionFactory.openSession();
                }

                public static void main(String... args){
                        Session session=getSession();
                session.beginTransaction();

                State s1= new State(1,1,"UP");
                State s2= new State(2,1,"MP");
                State s3= new State(3,1,"HP");
                State s4= new State(4,1,"DELHI");

                List<State> states= new ArrayList<State>();
                states.add(s1);
                states.add(s2);
                states.add(s3);
                states.add(s4);

                Country country= new Country(1,"India",states);
                session.persist(country);
                session.getTransaction().commit();
                session.close();
                }
}
```

Output

hibernate.state: 4 rows total (approximately)

id	name	country_id	list_index
1	UP	1	0
2	MP	1	1
3	HP	1	2
4	DELHI	1	3

Share   Tweet   G+

POSTED BY

ARVIND RAI

Popular Tutorials: Java 8 | Spring 4 | Angular | Struts 2 | Android

FIND MORE TUTORILAS

SPRING BOOT   HIBERNATE   PRIMEFACES   RESTEASY   FREEMARKER

Acceder

Agrega un comentario...

Comentarios   Ordenar por los más nuevos

Sé el primero en comentar.

💬 AÑADE WIDGETPACK A TU SITIO WEB   POWERED BY **WIDGET PACK™**

Favorite Links

Java Technology

Hibernate Annotations

Spring Framework

JQuery

Apache Struts

MyBatis

Quartz Scheduler

Angular

Thymeleaf

FreeMarker

About Us

We are a group of software developers.
We enjoy learning and sharing technologies.
To improve the site's content,
your valuable suggestions
are most welcome. *Thanks*
Email : **concretepage@gmail.com**

Mobile Apps

ConcretePage.com

SCJP Quiz