J2EE

Day 8

Step1

Remove the PostRepository.java and PostRepositoryTest.java

Move UserEntity.java to com.example. j2eedemo.entities

Don't comment out the following line from persistence.xml

<class>com.example.j2eedemo.domain. UserEntity</class> →

Step2

Add JPA support to UserEntity.java

```java
/*
 * Entity to hold application user data - first name, last name
 */
@Entity
@Table(name="USER")

public class UserEntity
{
...
}
```

Step3

```
public class UserEntity
{        @Id
        @GeneratedValue(strategy=GenerationType.AUTO)
        @Column(name="USER_ID")
        Integer userId;

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

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

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

        @Column(name="PASSWORD")
        private String password;
}
```

Step4

Change the value of package name in main-flow.xml

<var name="com.example.j2eedemo.domain" class="UserEntity"/>

So it looks like this :

<var name="com.example.j2eedemo.entities" class="UserEntity"/>

Comment it out for now

Similarly, change <class>com.example.j2eeapp.entities.UserEntity</class> in persistence.xml
To
<class>com.example.j2eedemo.entities.UserEntity</class> inside the <persistence> tag

Step5

Fix the following mistake in signup.html

```
<p:inputText id="lastName" label="Last Name" value="${user.lastName}"
```

Step6

Create a class called BaseEntity which

implements Serializable in com.example.

j2eedmo.commons.domain

/**

 * BaseEntity which can be extended

 * Must implement Serializable

 */

public class BaseEntity implements Serializable

{

}

Step7

BaseEntity implements Serializable and will serve as the base class for all entities
Modify BaseEntity as follows

Hover and add generated serial version ID

Step8

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Modify BaseEntity as follows

Hover and add generated serial version ID

Step9

Modify BaseEntity as follows

```
private static final long serialVersionUID = 6018155374432728691L;
@Id
@GeneratedValue(strategy = GenerationType.AUTO)
private long id;

public long getId() {
return id;
}

public void setId(long id) {
this.id = id;
}
```

Step10

Add @MappedSuperclass to the class

This tells Hibernate not to create a table for this class

Step11

Now we can close BaseEntity and have UserEntity extend the BaseEntity

Also add generated serial version ID

Step12

Create a new package called com.example.

j2eedemo.commons.dao

This will hold Data Access Objects for using the

Data Access Objects pattern

Step13

Create a class called GenericDao in
com.example.j2eedemo.commons.dao