Web Programlama Dersi 5.Hafta

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JSF-JPA-MODEL

Ogrenci.java | OgrenciBean.java | Giris.xhtml | Hata.xhtml | Adres.java | Adres.java | Dersler.java

```
1
2  import java.io.Serializable;
8
9  @Entity
10 public class Adres implements Serializable {
11     @Id
12     @GeneratedValue
13     private Long num;
14     private String cadde;
15     private String ilce;
16     @OneToOne(mappedBy = "adres")
17     private Ogrenci ogrenci;
18
```

JSF-JPA-MODEL

Ogrenci.java | OgrenciBean.java | Giris.xhtml | Hata.xhtml | Adres.java | Adres.java | Dersler.java

```
1  import java.io.Serializable;
9
10 @Entity
11 public class Dersler implements Serializable {
12     @Id
13     @GeneratedValue
14     private Long num;
15     private String ad;
16     /*
17      * @ManyToMany(mappedBy = "ders") private List<Ogrenci> ogrenci = new
18      * ArrayList<Ogrenci>();
19      */
```

JSF-JPA-MODEL

Ogrenci.java | OgrenciBean... | Giris.xhtml | Hata.xhtml | Adres.java | Dersler.java | Fakulte.java

```java
import java.io.Serializable;

@Entity
public class Fakulte implements Serializable {
    @Id
    @GeneratedValue
    private Long num;
    private String ad;

    @OneToMany(mappedBy = "fakulte")
    private List<Ogrenci> ogrenci = new ArrayList<Ogrenci>();
    /*
     * @ManyToMany private List<Okul> okul = new ArrayList<Okul>();
     */
```

JSF-JPA-MODEL

Ogrenci.java | OgrenciBean... | Giris.xhtml | Adres.java | Dersler.java | Fakulte.java | KisiSayisi.java

```java
import javax.persistence.Embeddable;

@Embeddable
public class KisiSayisi {
    private Long numaram;
    private String deger;
    private String adana;

    public Long getNumaram() {
        return numaram;
    }
```

JSF-JPA-MODEL

Ogrenci.java | Giris.xhtml | Adres.java | Dersler.java | Fakulte.java | KisiSayisi.java | Ogrenci.java

```java
import java.util.ArrayList;

@Entity
public class Ogrenci {
    @Id
    @GeneratedValue
    private Long num;
    private String ad;
    private String soyad;
    private Long ogrenciNumarasi;
    /*
     * @ManyToOne private Okul okul = new Okul();
     */
    @Embedded
    private KisiSayisi kisiSayisi;
    @Transient
    private String flag;
    @ManyToOne
    private Fakulte fakulte = new Fakulte();

    /*
     * @ManyToMany private List<Dersler> ders = new ArrayList<Dersler>();
     */
    @OneToOne
    private Adres adres = new Adres();

```

JSF-JPA-MODEL

Giris.xhtml | Adres.java | Dersler.java | Fakulte.java | KisiSayisi.java | Ogrenci.java | OgrenciKayi...

```
1  import java.util.List;
6
7  public class OgrenciKayitView {
8      private Ogrenci ogrenci = new Ogrenci();
9
10     public void kaydet() {
11         EntityManager en = EntityUtil.getEntityManager();
12         en.getTransaction().begin();
13         en.persist(ogrenci.getFakulte());
14         en.persist(ogrenci.getAdres());
15         en.persist(ogrenci);
16         en.getTransaction().commit();
17         ogrenci = new Ogrenci();
18     }
19
20     public void sil() {
21         EntityManager en = EntityUtil.getEntityManager();
22         en.getTransaction().begin();
23         en.remove(ogrenci.getFakulte());
24         en.remove(ogrenci.getAdres());
25         en.remove(ogrenci);
26         en.getTransaction().commit();
27         ogrenci = new Ogrenci();
28     }
29
```

JSF-JPA-MODEL

Adres.java | Dersler.java | Fakulte.java | KisiSayisi.java | Ogrenci.java | OgrenciKayi... | Okul.java

```
1  import java.util.ArrayList;
9
10 @Entity
11 public class Okul {
12     @Id
13     @GeneratedValue
14     private Long num;
15     private String Ad;
16     /*
17      * @OneToMany(mappedBy = "okul") private List<Ogrenci> ogrenci = new
18      * ArrayList<Ogrenci>(); /*@ManyToMany(mappedBy = "okul") private List<Fakulte>
19      * fakulte = new ArrayList<Fakulte>();
20      */
21
```

JSF-JPA-MODEL

Human.java | HumanBean.java | Musteri.java | MusteriAdres.java | MusteriView.java | Ogrenci.java | Ogretmen.java

```
1  package com.mergeCons.egitim.util;
2
3  import java.io.Serializable;
12
13 @Entity
14 @NamedQuery(name = "AdGelsin", query = "select m, ma from Musteri m join m.adres ma where ad like :isim")
15 public class Musteri implements Serializable {
16     @Id
17     @GeneratedValue
18     private Long id;
19     private String ad;
20     private String soyad;
21     private Integer maas = 10000;
22     @Formula("maas*12")
23     private Integer yillikGetiri;
24     @OneToOne
25     private MusteriAdres adres = new MusteriAdres();
26
27     public String getAd() {
28         return ad;
```

JSF-JPA-MODEL

Human.java | HumanBean.java | Musteri.java | MusteriAdres.java | MusteriView.java

```java
package com.mergeCons.egitim.util;

import javax.persistence.Entity;

@Entity
public class MusteriAdres {
    @Id
    @GeneratedValue
    private Long id;
    private String cadde;
    private String sokak;
    @OneToOne(mappedBy = "adres")
    private Musteri musteri;

    public Long getId() {
        return id;
    }
```

JSF-JPA-MODEL

Human.java | HumanBean.java | Musteri.java | MusteriAdres.java | MusteriView.java | Ogrenci.java | Ogretmen.java

```
 7 public class MusteriView {
 8     private Musteri musteri = new Musteri();
 9     private String musteriAd;
10     private String musteriSoyad;
11     private Integer deger;
12
13     public void kaydet() {
14         EntityManager en = EntityUtil.getEntityManager();
15         en.getTransaction().begin();
16         en.persist(musteri.getAdres());
17         en.persist(musteri);
18         en.getTransaction().commit();
19         musteri = new Musteri();
20     }
21
22     public List<Object[]> getListeNamedQuery() {
23         EntityManager en = EntityUtil.getEntityManager();
24         return en.createNamedQuery("AdGelsin").setParameter("isim", this.musteriAd).getResultList();
25     }
26
27     public List<Object[]> getListe() {
28         EntityManager en = EntityUtil.getEntityManager();
29         return en.createQuery("select m, ma from Musteri m join m.adres ma").getResultList();
30     }
31
32     public List<Object[]> getListeAra() {
33         EntityManager en = EntityUtil.getEntityManager();
34         return en
35                 .createQuery("select m, ma from Musteri m join m.adres ma where " + "ad like :isim "
36                         + "and soyad like :soyad " + "and maas > :deger")
37                 .setParameter("isim", this.musteriAd + "%").setParameter("soyad", this.musteriSoyad + "%")
38                 .setParameter("deger", this.deger).getResultList();
39     }
```

JSF-JPA-MODEL

Human.java | Musteri.java | MusteriAdre... | MusteriView... | Ogrenci.java | Ogretmen.java | Okul.java | musteri.xhtml

```
1  <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
2  <html xmlns="http://www.w3.org/1999/xhtml"
3      xmlns:ui="http://java.sun.com/jsf/facelets"
4      xmlns:f="http://java.sun.com/jsf/core"
5      xmlns:p="http://primefaces.org/ui"
6      xmlns:h="http://java.sun.com/jsf/html">
7
8  <h:head></h:head>
9  <body>
10     <f:view>
11         <h:form>
12             <h:panelGrid columns="2">
13                 Ad:<h:inputText value="#{musteriView.musteri.ad}" />
14                 Soyad:<h:inputText value="#{musteriView.musteri.soyad}" />
15                 Cadde:<h:inputText value="#{musteriView.musteri.adres.cadde}" />
16                 Sokak:<h:inputText value="#{musteriView.musteri.adres.sokak}" />
17                 Musteri Ad:<h:inputText value="#{musteriView.musteriAd}" />
18                 Musteri Soyad:<h:inputText value="#{musteriView.musteriSoyad}" />
19                 Deger:<h:inputText value="#{musteriView.deger}" />
20                 <h:commandButton action="#{musteriView.kaydet()}" value="Kaydet" />
21                 <h:commandButton action="human" value="Human" />
22                 <h:commandButton value="Ara" />
23             </h:panelGrid>
24             <p:dataTable value="#{musteriView.liste}" var="cls">
25                 <f:facet name="header">Musteri Listesi Hepsi</f:facet>
26                 <p:column>
27                     <f:facet name="header"> Ad </f:facet>
28                     <h:outputText value="#{cls[0].ad}" />
```

JSF-JPA-MODEL

Human.java | Musteri.java | MusteriAdre... | MusteriView... | Ogrenci.java | Ogretmen.java | Okul.java | musteri.xhtml

```
23              </h:panelGrid>
24              <p:dataTable value="#{musteriView.liste}" var="cls">
25                  <f:facet name="header">Musteri Listesi Hepsi</f:facet>
26                  <p:column>
27                      <f:facet name="header"> Ad </f:facet>
28                      <h:outputText value="#{cls[0].ad}" />
29                  </p:column>
30                  <p:column>
31                      <f:facet name="header"> Soyad </f:facet>
32                      <h:outputText value="#{cls[0].soyad}" />
33                  </p:column>
34                  <p:column>
35                      <f:facet name="header"> Maas </f:facet>
36                      <h:outputText value="#{cls[0].maas}" />
37                  </p:column>
38                  <p:column>
39                      <f:facet name="header"> Yillik Getiri </f:facet>
40                      <h:outputText value="#{cls[0].yillikGetiri}" />
41                  </p:column>
42                  <p:column>
43                      <f:facet name="header"> Cadde </f:facet>
44                      <h:outputText value="#{cls[1].cadde}" />
45                  </p:column>
46                  <p:column>
47                      <f:facet name="header"> Sokak </f:facet>
48                      <h:outputText value="#{cls[1].sokak}" />
49                  </p:column>
50              </p:dataTable>
```

JSF-JPA-MODEL

Human.java | Musteri.java | MusteriAdre... | MusteriView... | Ogrenci.java | Ogretmen.java | Okul.java | musteri.xhtml

```
51  <p:dataTable value="#{musteriView.listeAra}" var="cls">
52      <f:facet name="header">Musteri Listesi Ara</f:facet>
53      <p:column>
54          <f:facet name="header"> Ad </f:facet>
55          <h:outputText value="#{cls[0].ad}" />
56      </p:column>
57      <p:column>
58          <f:facet name="header"> Soyad </f:facet>
59          <h:outputText value="#{cls[0].soyad}" />
60      </p:column>
61      <p:column>
62          <f:facet name="header"> Maas </f:facet>
63          <h:outputText value="#{cls[0].maas}" />
64      </p:column>
65      <p:column>
66          <f:facet name="header"> Yillik Getiri </f:facet>
67          <h:outputText value="#{cls[0].yillikGetiri}" />
68      </p:column>
69      <p:column>
70          <f:facet name="header"> Cadde </f:facet>
71          <h:outputText value="#{cls[1].cadde}" />
72      </p:column>
73      <p:column>
74          <f:facet name="header"> Sokak </f:facet>
75          <h:outputText value="#{cls[1].sokak}" />
76      </p:column>
77  </p:dataTable>
```

JSF-JPA-MODEL

Human.java | Musteri.java | MusteriAdre... | MusteriView... | Ogrenci.java | Ogretmen.java | Okul.java | musteri.xhtml

```
77              </p:dataTable>
78              <p:dataTable value="#{musteriView.listeNamedQuery}" var="cls">
79                  <f:facet name="header">Musteri Listesi Named Query</f:facet>
80                  <p:column>
81                      <f:facet name="header"> Ad </f:facet>
82                      <h:outputText value="#{cls[0].ad}" />
83                  </p:column>
84                  <p:column>
85                      <f:facet name="header"> Soyad </f:facet>
86                      <h:outputText value="#{cls[0].soyad}" />
87                  </p:column>
88                  <p:column>
89                      <f:facet name="header"> Maas </f:facet>
90                      <h:outputText value="#{cls[0].maas}" />
91                  </p:column>
92                  <p:column>
93                      <f:facet name="header"> Yillik Getiri </f:facet>
94                      <h:outputText value="#{cls[0].yillikGetiri}" />
95                  </p:column>
96                  <p:column>
97                      <f:facet name="header"> Cadde </f:facet>
98                      <h:outputText value="#{cls[1].cadde}" />
99                  </p:column>
100                 <p:column>
101                     <f:facet name="header"> Sokak </f:facet>
102                     <h:outputText value="#{cls[1].sokak}" />
103                 </p:column>
104             </p:dataTable>
```