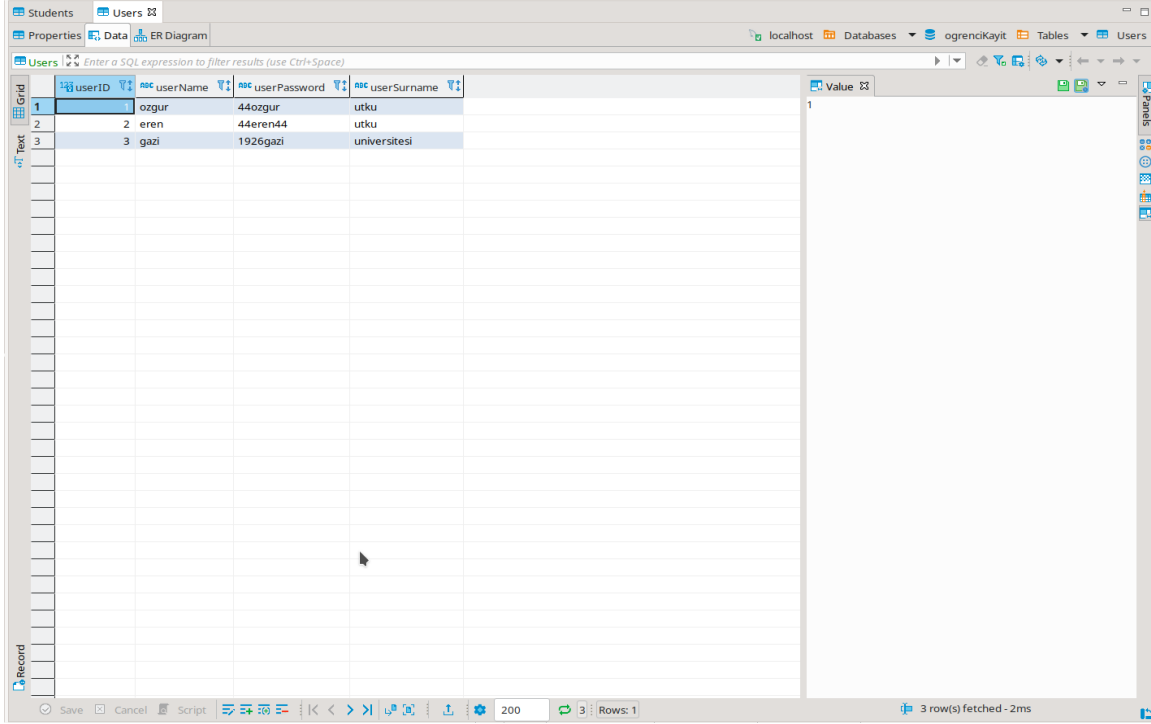


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Ad ve Soyadı: Özgür Sadık Utku  
Öğrenci Numarası: 181816072

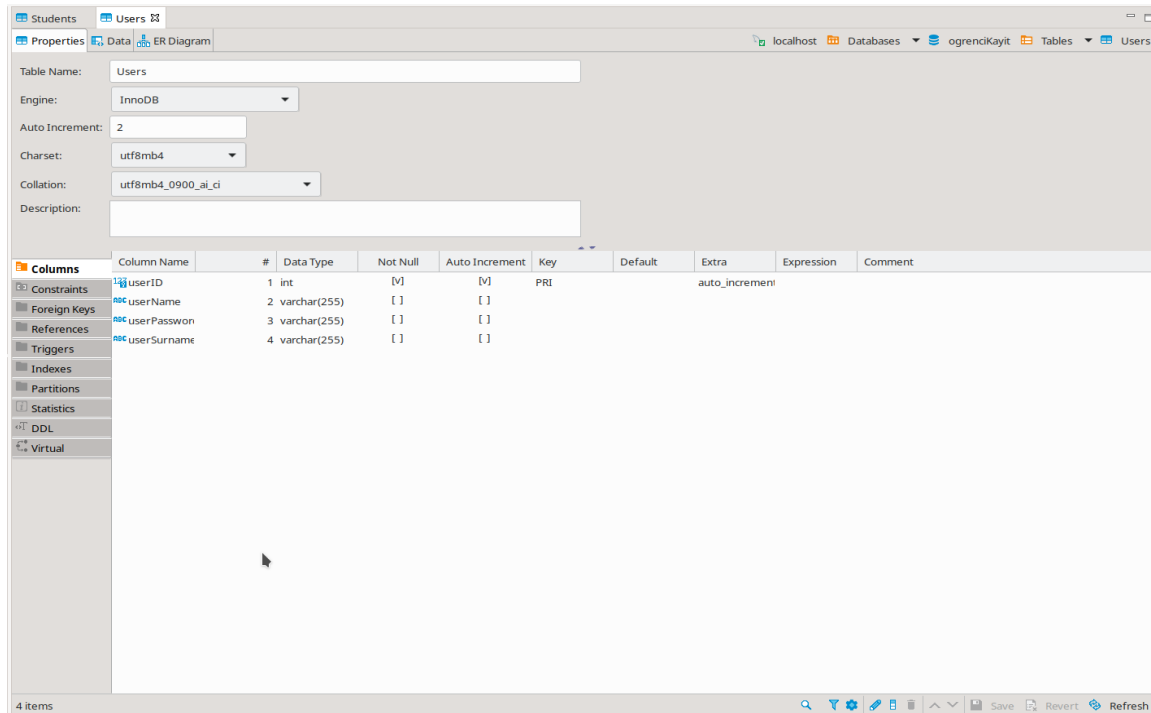
1. Soru:

Veri tabanı ekran resimleri:



The screenshot shows a database management tool interface. The 'Users' table is selected, and the 'Data' tab is active. The table contains three rows of data. The columns are: userID, userName, userPassword, and userSurname. The data is as follows:

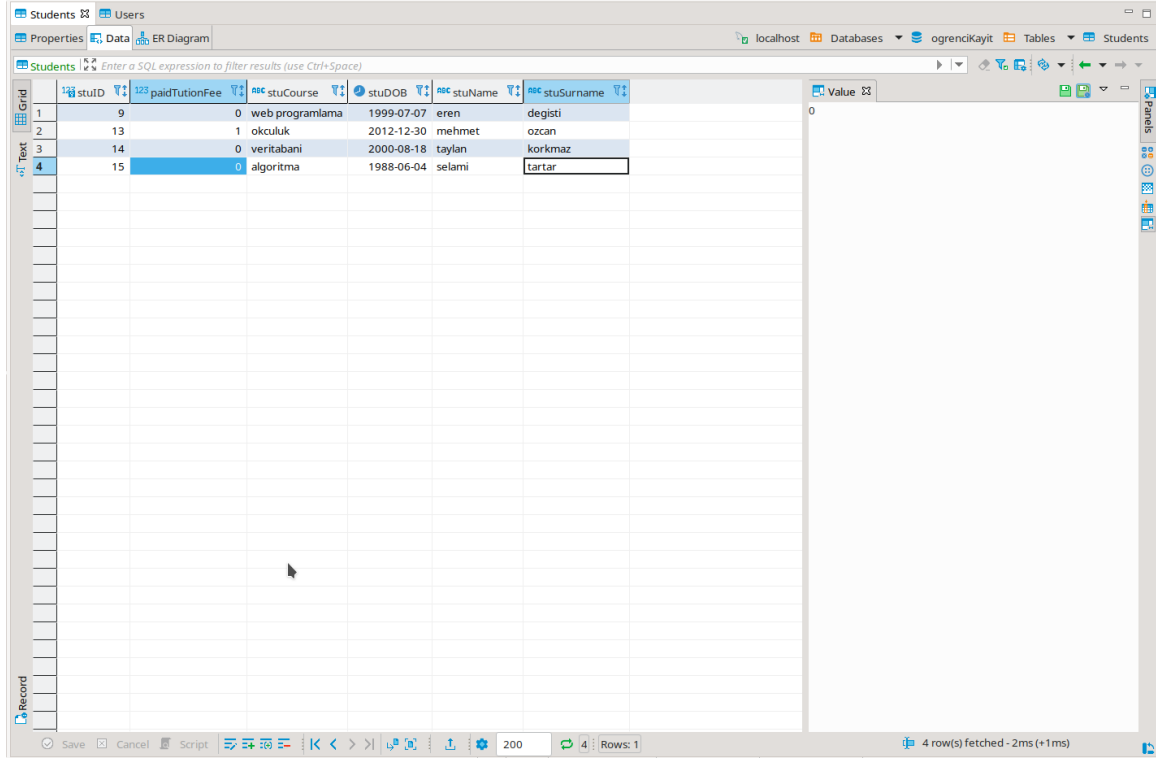
userID	userName	userPassword	userSurname
1	ozgur	44ozgur	utku
2	eren	44eren44	utku
3	gazi	1926gazi	universitesi



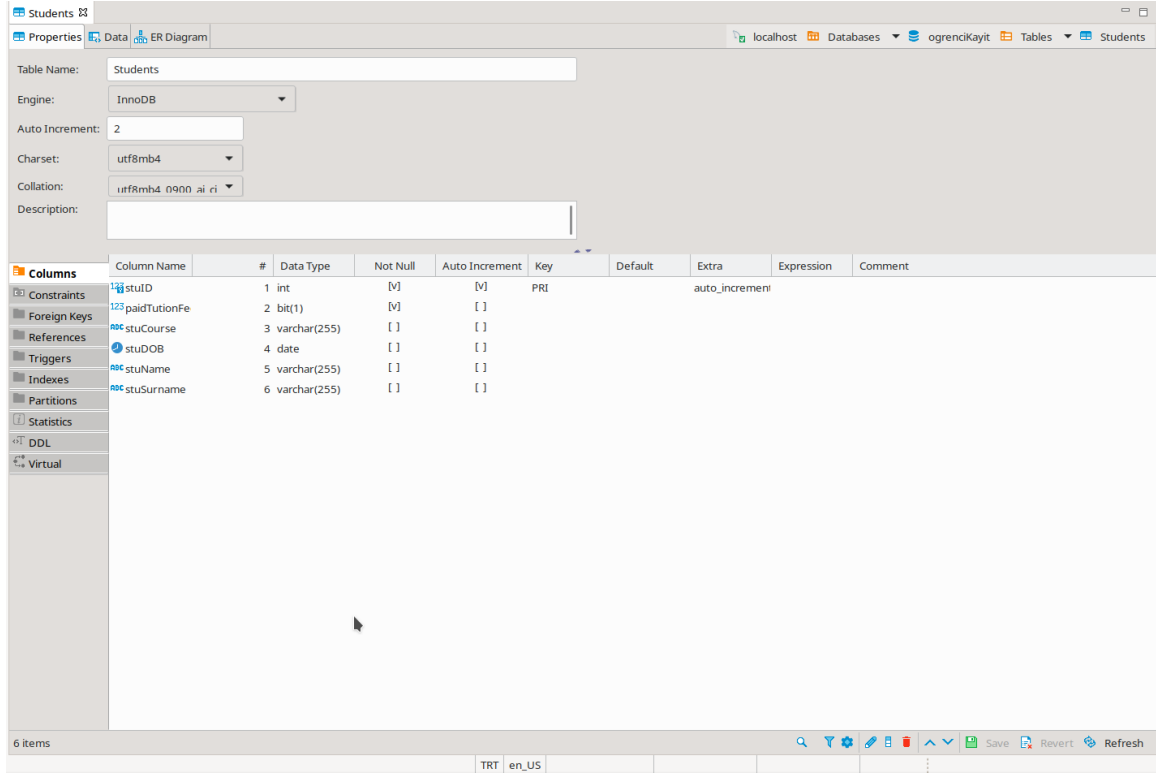
The screenshot shows the same database management tool interface, but with the 'Structure' tab active. It displays the table structure for the 'Users' table. The table is named 'Users', uses the 'InnoDB' engine, has an 'Auto Increment' of 2, and uses the 'utf8mb4' charset and 'utf8mb4\_0900\_ai\_ci' collation. The columns are defined as follows:

Column Name	#	Data Type	Not Null	Auto Increment	Key	Default	Extra	Expression	Comment
userID	1	int	[V]	[V]	PRI		auto_increment		
userName	2	varchar(255)	[ ]	[ ]					
userPassword	3	varchar(255)	[ ]	[ ]					
userSurname	4	varchar(255)	[ ]	[ ]					

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	stuID	paidTuitionFee	stuCourse	stuDOB	stuName	stuSurname
1	9	0	web programlama	1999-07-07	eren	degisi
2	13	1	okuluk	2012-12-30	mehmet	ozcan
3	14	0	veritabani	2000-08-18	taylan	korkmaz
4	15	0	algoritma	1988-06-04	selami	tartar



Column Name	#	Data Type	Not Null	Auto Increment	Key	Default	Extra	Expression	Comment
stuID	1	int	[V]	[V]	PRI		auto_increment		
paidTuitionFee	2	bit(1)	[V]	[ ]					
stuCourse	3	varchar(255)	[ ]	[ ]					
stuDOB	4	date	[ ]	[ ]					
stuName	5	varchar(255)	[ ]	[ ]					
stuSurname	6	varchar(255)	[ ]	[ ]					

**Veri tabanı kodları (java sınıfı bizim için otomatik olarak tabloları oluşturuyor):**  
**Students.java:**

```
import javax.persistence.Entity;
import javax.persistence.GeneratedValue;

import javax.persistence.Id;

@Entity

public class Users {

    @Id
    @GeneratedValue

    private int userID;
    private String userName;
    private String userSurname;
    private String userPassword;


    public int getUserID() {
        return userID;
    }

    public void setUserID(int userID) {
        this.userID = userID;
    }

    public String getUserName() {
        return userName;
    }

    public void setUserName(String userName) {
        this.userName = userName;
    }

    public String getUserSurname() {
```

```
        return userSurname;
    }

    public void setUserSurname(String userSurname) {
        this.userSurname = userSurname;
    }

    public String getUserPassword() {
        return userPassword;
    }

    public void setUserPassword(String userPassword) {
        this.userPassword = userPassword;
    }
}
```

**Users.java:**

```
import javax.persistence.Entity;
import javax.persistence.GeneratedValue;
import javax.persistence.Id;
```

@Entity

```
public class Users {

    @Id
    @GeneratedValue
    private int userID;
    private String userName;
    private String userSurname;
    private String userPassword;
```

```
        public int getUserID() {  
            return userID;  
        }  
  
        public void setUserID(int userID) {  
            this.userID = userID;  
        }  
  
        public String getUsername() {  
            return userName;  
        }  
  
        public void setUsername(String userName) {  
            this.userName = userName;  
        }  
  
        public String getSurname() {  
            return userSurname;  
        }  
  
        public void setSurname(String userSurname) {  
            this.userSurname = userSurname;  
        }  
  
        public String getPassword() {  
            return userPassword;  
        }  
  
        public void setPassword(String userPassword) {  
            this.userPassword = userPassword;  
        }  
  
    }
```

**EntityUtil.java:**

```
import javax.persistence.EntityManager;
import javax.persistence.EntityManagerFactory;
import javax.persistence.Persistence;

public class EntityUtil {

    private static EntityManagerFactory entityManagerFactory;

    public static final ThreadLocal<EntityManager> threadLocal = new
ThreadLocal<EntityManager>();

    public static EntityManagerFactory getEntityManagerFactory() {
        if (entityManagerFactory == null) {
            entityManagerFactory = Persistence
                .createEntityManagerFactory("baglantiBir")
;
        }
        return entityManagerFactory;
    }

    public static EntityManager getEntityManager() {
        EntityManager entityManager = threadLocal.get();
        if (entityManager == null) {
            entityManager =
getEntityManagerFactory().createEntityManager();
            threadLocal.set(entityManager);
        }
        return entityManager;
    }
}
```

**persistence.xml:**

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

    xmlns="http://java.sun.com/xml/ns/persistence"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

    xsi:schemaLocation="http://java.sun.com/xml/ns/persistence
http://java.sun.com/xml/ns/persistence/persistence_1_0.xsd">

    <persistence-unit name="baglantiBir" transaction-
type="RESOURCE_LOCAL">

        <provider>org.hibernate.ejb.HibernatePersistence</provider>

        <properties>

            <property name="hibernate.dialect"
value="org.hibernate.dialect.MySQLDialect" />

            <property name="hibernate.connection.driver_class"
value="com.mysql.jdbc.Driver" />

            <property name="hibernate.connection.password"
value="ozgur" />

            <property name="hibernate.connection.username"
value="root" />

            <property name="hibernate.cache.provider_class"
value="org.hibernate.cache.NoCacheProvider" />

            <property name="hibernate.hbm2ddl.auto" value="update"
/>

            <property name="hibernate.show_sql" value="true" />

            <property name="hibernate.format_sql" value="true" />

            <property name="hibernate.connection.autocommit"
value="true" />

            <property name="hibernate.connection.url"
value="jdbc:mysql://localhost:3306/ogrenciKayit?
characterEncoding=utf8"></property>

        </properties>

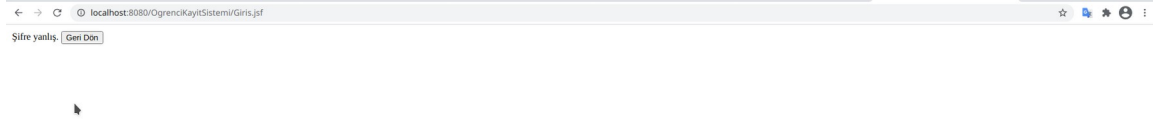
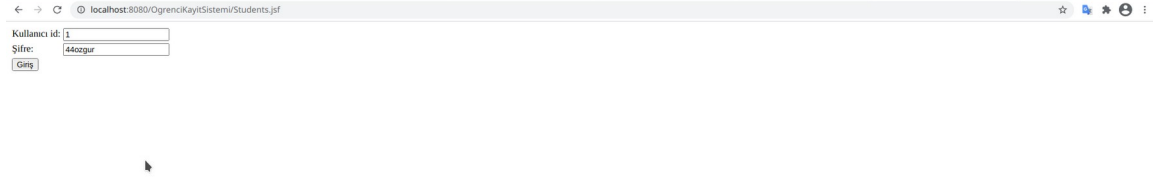
    </persistence-unit>
```

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</persistence>

2. Soru:

**Ekran resimleri (kullanıcı hata aldığı sayfa burada gösterilecek doğru olduğu zaman gösterilecek sayfa 3.soruda gösterilecektir):**





**Kodlar:**

**UsersView.java:**

```
import java.util.List;

import javax.persistence.EntityManager;

public class UsersView {

    private int userID;

    private String password;

    public List<Users> bilgileriGetir() {

        EntityManager en = EntityUtil.getEntityManager();

        return en.createQuery("from Users").getResultList();

    }

    public String dogrula(int userID, String password) {

        for(Users userList : bilgileriGetir()) {

            if(userList.getUserID() == userID &&
userList.getUserPassword().equals(password)) {

                return "dogru";

            }

        }

        return "hata";

    }

    public int getUserID() {

        return userID;

    }

}
```

```
    }

    public void setUserID(int userID) {
        this.userID = userID;
    }

    public String getPassword() {
        return password;
    }

    public void setPassword(String password) {
        this.password = password;
    }
}
```

**Giris.xhtml:**

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml"

    xmlns:ui="http://java.sun.com/jsf/facelets"
    xmlns:f="http://java.sun.com/jsf/core"
    xmlns:h="http://java.sun.com/jsf/html">

    <h:head></h:head>

    <body>
        <f:view>
            <h:form>
                <h:panelGrid columns="2">
```

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```
        Kullanıcı id:<h:inputText
value="#{usersView.userID}" />

        Şifre:<h:inputText value="#{usersView.password}" />

        <h:commandButton
action="#{usersView.dogrula(usersView.userID,usersView.password)}"
value="Giriş" />

    </h:panelGrid>

</h:form>

</f:view>

</body>

</html>
```

**Hata.xhtml:**

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml"

    xmlns:ui="http://java.sun.com/jsf/facelets"

    xmlns:f="http://java.sun.com/jsf/core"

    xmlns:h="http://java.sun.com/jsf/html">

    <h:head></h:head>

    <body>

        <f:view>

            <h:form>

                <h:panelGrid columns="2">

                    Şifre yanlış.

                    <h:commandButton action="geri" value="Geri Dön" />

                </h:panelGrid>
```

```
        </h:form>
    </f:view>
</body>
</html>
```

**faces-config.xml:**

```
<?xml version="1.0" encoding="UTF-8"?>
<faces-config version="2.0" xmlns="http://java.sun.com/xml/ns/javaee"
    xmlns:xi="http://www.w3.org/2001/XInclude"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:schemaLocation="http://java.sun.com/xml/ns/javaee
http://java.sun.com/xml/ns/javaee/web-facesconfig_2_0.xsd">

    <managed-bean>

        <managed-bean-name>studentsView</managed-bean-name>

        <managed-bean-class>StudentsView</managed-bean-class>

        <managed-bean-scope>session</managed-bean-scope>

    </managed-bean>

    <managed-bean>

        <managed-bean-name>usersView</managed-bean-name>

        <managed-bean-class>UsersView</managed-bean-class>

        <managed-bean-scope>session</managed-bean-scope>

    </managed-bean>

    <navigation-rule>

        <from-view-id>/Giris.xhtml</from-view-id>

        <navigation-case>

            <from-outcome>dogru</from-outcome>

            <to-view-id>/Students.xhtml</to-view-id>

        </navigation-case>

        <navigation-case>

            <from-outcome>hata</from-outcome>
```

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```
<to-view-id>/Hata.xhtml</to-view-id>

</navigation-case>

</navigation-rule>

<navigation-rule>

  <from-view-id>/Students.xhtml</from-view-id>

  <navigation-case>

    <from-outcome>geri</from-outcome>

    <to-view-id>/Giris.xhtml</to-view-id>

  </navigation-case>

</navigation-rule>

<navigation-rule>

  <from-view-id>/Hata.xhtml</from-view-id>

  <navigation-case>

    <from-outcome>geri</from-outcome>

    <to-view-id>/Giris.xhtml</to-view-id>

  </navigation-case>

</navigation-rule>

</faces-config>
```

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3. Soru:  
Ekran resmi:

Seç	Sil	ID	Ad	Soyad	Doğum tarihi	Kaydolacağı Kurs	Ücreti ödenmiş mi
Seç	Sil	6	ozgur	utkuss	29.04.1970	ingilizce	false
Seç	Sil	9	eren	utku	07.07.1999	web programlama	false
Seç	Sil	13	mehmet	ozcan	29.12.2012	okculuk	true
Seç	Sil	14	taylan	korkmaz	17.08.2000	veritabanı	false

Kodlar:

StudentsView.java:

```
import java.util.List;

import javax.persistence.EntityManager;

public class StudentsView {

    private Students students = new Students();

    public void kaydet() {
        EntityManager en = EntityUtil.getEntityManager();
        en.getTransaction().begin();
```

```
        en.persist(students);  
        en.getTransaction().commit();  
        students = new Students();  
    }
```

```
public void sil() {  
    EntityManager en = EntityUtil.getEntityManager();  
    en.getTransaction().begin();  
    en.remove(students);  
    en.getTransaction().commit();  
    students = new Students();  
}
```

```
public void guncelle() {  
    EntityManager en = EntityUtil.getEntityManager();  
    en.getTransaction().begin();  
    en.merge(students);  
    en.getTransaction().commit();  
    students = new Students();  
}
```

```
public List<Students> kayitlariGetir() {  
    EntityManager en = EntityUtil.getEntityManager();  
    return en.createQuery("from Students").getResultList();  
}
```

```
public Students getStudents() {  
    return students;  
}
```

```
        public void setStudents(Students students) {  
            this.students = students;  
        }  
  
    }  
}
```

#### Students.xhtml:

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"  
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">  
<html xmlns="http://www.w3.org/1999/xhtml"  
    xmlns:ui="http://java.sun.com/jsf/facelets"  
    xmlns:f="http://java.sun.com/jsf/core"  
    xmlns:p="http://primefaces.org/ui"  
    xmlns:h="http://java.sun.com/jsf/html">  
  
    <h:head>  
    </h:head>  
  
    <body>  
        <f:view>  
            <h:form>  
                <h:panelGrid columns="2">  
                    Ad:<h:inputText  
value="#{studentsView.students.stuName}" />  
                    Soyad:<h:inputText  
value="#{studentsView.students.stuSurname}" />  
                    Dogum Tarihi:<h:inputText  
value="#{studentsView.students.stuDOB}">  
                        <f:convertDateTime pattern="dd.MM.yyyy" />  
                    </h:inputText>  
                    Kaydolacağı kurs:<h:inputText
```



[illegible]

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```
<f:setPropertyActionListener
value="#{student}"
target="#{studentsView.students}"></f:setPropertyActionListener>

</h:commandLink>

</p:column>
<p:column>
    <f:facet name="header">ID</f:facet>
    <h:outputText value="#{student.stuID}" />
</p:column>
<p:column>
    <f:facet name="header">Ad</f:facet>
    <h:outputText value="#{student.stuName}" />
>

</p:column>
<p:column>
    <f:facet name="header">Soyad</f:facet>
    <h:outputText
value="#{student.stuSurname}" />
</p:column>
<p:column>
    <f:facet name="header">Doğum
tarihi</f:facet>
    <h:outputText value="#{student.stuDOB}">
    <f:convertDateTime pattern="dd.MM.yyyy" />
    </h:outputText>
</p:column>
<p:column>
    <f:facet name="header">Kaydolacağı
Kurs</f:facet>
    <h:outputText value="#{student.stuCourse}"
/>

</p:column>
```

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```

        <p:column>
            <f:facet name="header">Ücreti ödenmiş mi</f:facet>
            <h:outputText
value="#{student.paidTutionFee}" />
        </p:column>
    </p:dataTable>
</h:form>
</f:view>
</body>
</html>
```

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## BMT-308 WEB PROGRAMLAMA

### UYGULAMA FÖYÜ

#### 1. LAB

#### 4. Soru:

**Not: ekleme,silme,kayıt etme fonksiyonlarının kodları 3.soruda gösterilmiştir. Bu yüzden bu bölümde sadece ekran resimleri bulunmaktadır.**

**Ekran resimleri:**

**Silme işlemi:**

← → localhost:8080/OgrenciKayitSistemi/Giris.jsf

Ad:

Soyad:

Doğum Tarihi:

Kaydolacağı kurs:

Kayıt ücreti: ☐ Ödendi ☒ Ödenmedi

Kayıt Listesi									
Seç	Sil	ID	Ad	Soyad	Doğum tarihi	Kaydolacağı Kurs	Ücreti ödenmiş mi		
Seç	Sil	6	ozgur	utkuss	29.04.1970	ingilizce	false		
Seç	Sil	9	eren	utku	07.07.1999	web programlama	false		
Seç	Sil	13	mehmet	ozcan	29.12.2012	okculuk	true		
Seç	Sil	14	taylan	korkmaz	17.08.2000	veritabanı	false		

← → localhost:8080/OgrenciKayitSistemi/Students.jsf

Ad:

Soyad:

Doğum Tarihi:

Kaydolacağı kurs:

Kayıt ücreti: ☐ Ödendi ☐ Ödenmedi

Kayıt Listesi									
Seç	Sil	ID	Ad	Soyad	Doğum tarihi	Kaydolacağı Kurs	Ücreti ödenmiş mi		
Seç	Sil	9	eren	utku	07.07.1999	web programlama	false		
Seç	Sil	13	mehmet	ozcan	29.12.2012	okculuk	true		
Seç	Sil	14	taylan	korkmaz	17.08.2000	veritabanı	false		

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**Kayıt etme işlemi:**

← → 🔄 localhost:8080/OgrenciKayitSistemi/Students.jsf ☆ 📄 ⚙️ 🔍 ⋮

Ad:   
Soyad:   
Dogum Tarihi:   
Kaydolacağı kurs:   
Kayıt ücreti: ☐ Ödendi ☒ Ödenmedi

Kayıt Listesi							
Seç	Sil	ID	Ad	Soyad	Doğum tarihi	Kaydolacağı Kurs	Ücreti ödenmiş mi
Seç	Sil	9	eren	utku	07.07.1999	web programlama	false
Seç	Sil	13	mehmet	ozcan	29.12.2012	okculuk	true
Seç	Sil	14	taylan	korkmaz	17.08.2000	veritabani	false

← → 🔄 localhost:8080/OgrenciKayitSistemi/Students.jsf ☆ 📄 ⚙️ 🔍 ⋮

Ad:   
Soyad:   
Dogum Tarihi:   
Kaydolacağı kurs:   
Kayıt ücreti: ☐ Ödendi ☐ Ödenmedi

Kayıt Listesi							
Seç	Sil	ID	Ad	Soyad	Doğum tarihi	Kaydolacağı Kurs	Ücreti ödenmiş mi
Seç	Sil	9	eren	utku	07.07.1999	web programlama	false
Seç	Sil	13	mehmet	ozcan	29.12.2012	okculuk	true
Seç	Sil	14	taylan	korkmaz	17.08.2000	veritabani	false
Seç	Sil	15	selami	tartar	04.06.1988	algoritma	false

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Güncelleme işlemi:

← → ↻ localhost:8080/OgrenciKayitSistemi/Students.jsf ☆ 🔍 ⚙ ⌵

Ad:   
Soyad:   
Dogum Tarihi:   
Kaydolacagi kurs:   
Kayit ücreti: ☐ Ödendi ☒ Ödenmedi

Kayit Listesi							
Seç	Sil	ID	Ad	Soyad	Doğum tarihi	Kaydolacağı Kurs	Ücreti ödenmiş mi
Seç	Sil	9	eren	utku	07.07.1999	web programlama	false
Seç	Sil	13	mehmet	ozcan	29.12.2012	okculuk	true
Seç	Sil	14	taylan	korkmaz	17.08.2000	veritabani	false
Seç	Sil	15	selami	tartar	04.06.1988	algoritma	false

← → ↻ localhost:8080/OgrenciKayitSistemi/Students.jsf ☆ 🔍 ⚙ ⌵

Ad:   
Soyad:   
Dogum Tarihi:   
Kaydolacagi kurs:   
Kayit ücreti: ☐ Ödendi ☐ Ödenmedi

Kayit Listesi							
Seç	Sil	ID	Ad	Soyad	Doğum tarihi	Kaydolacağı Kurs	Ücreti ödenmiş mi
Seç	Sil	9	eren	degisti	07.07.1999	web programlama	false
Seç	Sil	13	mehmet	ozcan	29.12.2012	okculuk	true
Seç	Sil	14	taylan	korkmaz	17.08.2000	veritabani	false
Seç	Sil	15	selami	tartar	04.06.1988	algoritma	false