



VERİTABANI YÖNETİM SİSTEMLERİ

Proje Adı: Kütüphane Otomasyonu

Proje Sahibi: Ayşegül GENÇEL

Okul Numarası: B201210053

Öğretim Türü: 1.Öğretim B Grubu

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Senaryo: Kütüphane otomasyonu tasarladım. Amaç üyelerin kütüphaneden ödünç kitap almasıdır. Otomasyonda üyeler ve kitaplar için ekleme, silme, güncelleme, listeleme ve arama işlemlerini gerçekleştiriliyor. Üyelerin ödünç aldığı kitaplar emanet kitap işlemleri bölümünde gerçekleştiriliyor.

TABLolar

- Kütüphane
- Kitap
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- Üyeler
- Toplam Üye
- Sepet
- Yazarlar
- Yayınevleri
- Tür
- Adres
- Adres Veri
- İl
- İlçe
- Çevirmenler
- Personel

İŞ KURALLARI

- Bir kütüphane ve bu kütüphanelerde bulunan kitapların üyelere ödünç verilmesine dayanır.
- Kütüphanelerin adres ve isimleri vardır.
- Kitapların ISBN numarası, adı, kategorisi, yayın tarihi, yayın evi, yazarları, sayfa sayısı, kitap sayısı, stok, dolap yeri ve basım yılı vardır.
- Yayın evlerinin id, ad ve adres bilgileri vardır.
- Yazarların id, ad, soyad, yaş ve adres bilgileri tutulmaktadır.
- Üyelerin id, ad, soyad, cinsiyet, telefon, adres, okuduğu kitap sayısı ve e-posta bilgileri tutulmaktadır.
- Üyeler aldıkları kitapları belli sürede teslim etmeleri gerekmektedir.
- Kütüphane ve Üye adres bilgileri sisteme kayıt yapılırken: il, ilçe gibi bilgiler kayıt edilecektir.
- Bir üye bir kütüphaneye üye olabilir. Bir kütüphanenin ise birden fazla üyesi olabilir.
- Üyeler kütüphaneden kitap alabilirler.
- Her üyenin bir adresi vardır. Bir adreste birden fazla üye bulunabilir.
- Her kitabın bir yazarı olur, bir yazarın birden çok kitabı olabilir.
- Her kitabın bir türü olmalıdır, bir türden birden fazla kitap bulunabilir.
- Her kitabın bir çevirmeni olur, bir çevirmen birçok kitap çevirisi yapabilir.
- Her kitabın bir yayınevi vardır, bir yayınevinin birden fazla kitabı olabilir.
- Her yayınevinin bir adresi vardır. Bir adreste birden fazla yayınevi bulunabilir.
- Bir çevirmenin bir adresi vardır. Bir adreste birden fazla çevirmen bulunabilir.
- Bir personelin bir adresi vardır. Bir adreste birden fazla personel bulunabilir.
- Bir üye birçok kitap ödünç alabilir.

İLİŞKİSEL ŞEMA

-**Kitap** (**kitapid**:serial , isbn:character varying , kitapadi:character varying, basim:character varying, sayfasayisi:integer, stok:integer, dolapyeri: character varying, turid:integer, yazarid:integer ,yayineviid:integer, yayinyili:integer,cevirmenid:integer,kütüphaneid:integer)

-**Kutuphane** (**kutuphaneid**:serial,kutuphaneadi: character varying, adresid: integer,uyeid:integer,personelid:integer)

-**Tur** (**turid**:serial,turadi: character varying)

-**Uyeler** (**uyeid**:serial, uyeadi:character varying, uyesoyad: character varying, uyecinsiyet: character varying, adresid:integer, telno: character varying, eposta: character varying,okudugukitapsayisi:integer,uyeno:character varying)

-**Sepet** (**kitapid**:serial, kitapadi:character varying, isbn: character varying,kitapsayisi:integer, teslimtarihi:date, iadetarihi:date, basim:date)

-**Emanet Kitaplar** (**uyeid**:serial ,uyeadi:character varying, uyesoyadi:character varying, telno:character varying, kitapid:integer, isbn:integer, kitapadi:character varying, basim:date, kitapsayisi:integer, teslimtarihi:date, iadetarihi:date,isbn:character varying,uyeno:character varying)

-**Adres**(**adresid**:serial)

-**İl** (**ilid**:integer ,iladi:character varying,personelid:integer,cevirmenid:integer)

-**İlçe** (**ilceid**:integer, ilceadi:character varying,personelid:integer,cevirmenid:integer)

-**Yayinevleri** (**yayineviid**:serial,yayineviisim: character varying, adresid:integer)

-**Yazarlar** (**yazarid**:serial,yazarad: character varying ,yazarsoyad: character varying ,yazaryas:integer,adresid:integer)

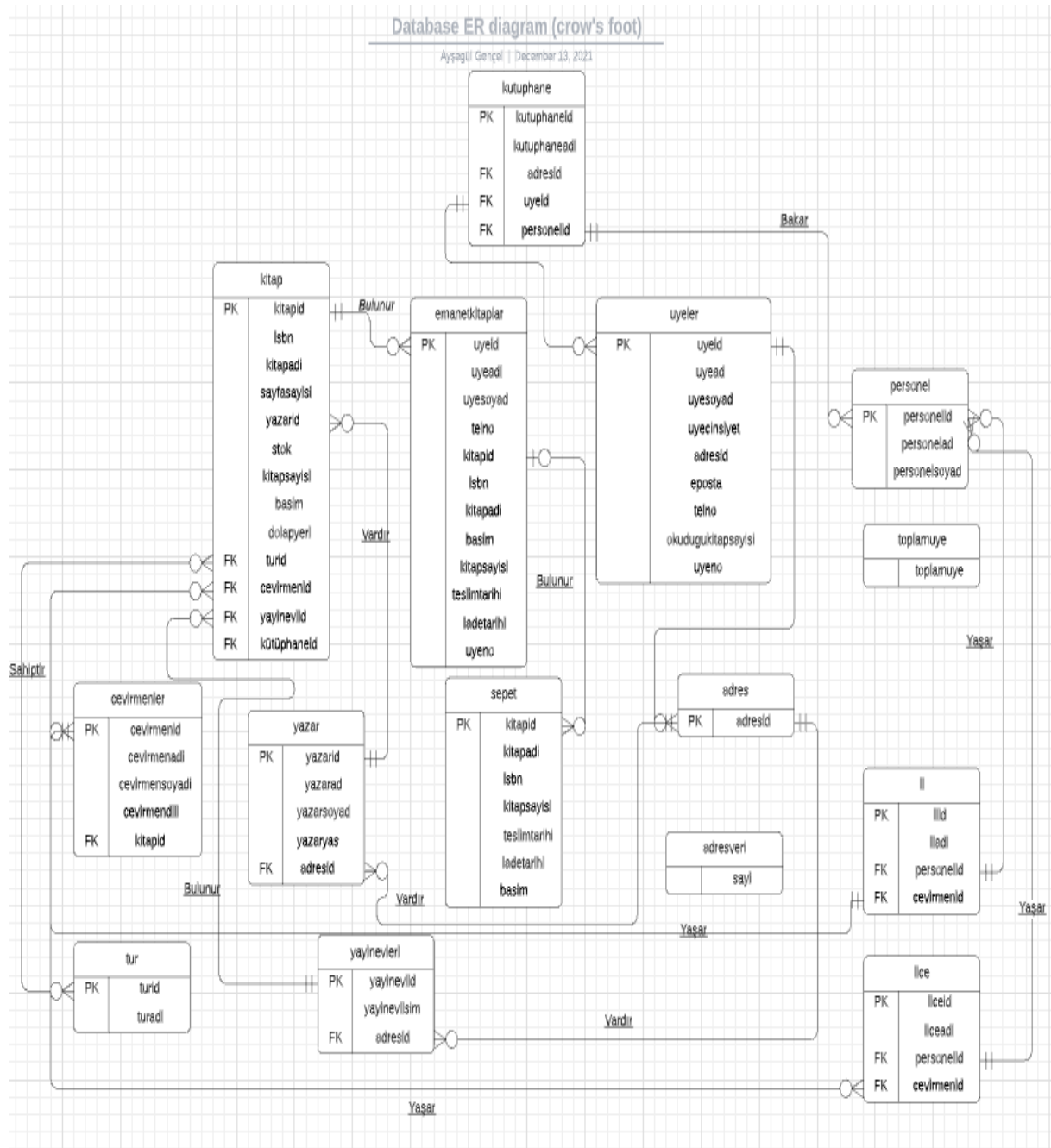
-**Cevirmenler** (**cevirmenid**:serial, cevirmenadi: character varying, cevirmensoyadi: character varying ,cevmendili: character varying, kitapid:integer)

-**Personel** (**personelid**:serial, personelad: character varying, personelsoyad: character varying)

-**Adres Veri**(sayi:integer)

-**Toplam Üye**(toplamuye:integer)

VERİ BAĞINTI MODELİ



SQL KODLARI

--

-- PostgreSQL database dump

--

-- Dumped from database version 14.0

-- Dumped by pg_dump version 14.0

-- Started on 2021-12-15 11:38:11

SET statement_timeout = 0;

SET lock_timeout = 0;

SET idle_in_transaction_session_timeout = 0;

SET client_encoding = 'UTF8';

SET standard_conforming_strings = on;

SELECT pg_catalog.set_config('search_path', '', false);

SET check_function_bodies = false;

SET xmloption = content;

SET client_min_messages = warning;

SET row_security = off;

--

-- TOC entry 3477 (class 1262 OID 16599)

-- Name: kutuphane_otomasyonu; Type: DATABASE; Schema: -; Owner: postgres

--

CREATE DATABASE kutuphane_otomasyonu WITH TEMPLATE = template0 ENCODING = 'UTF8' LOCALE = 'Turkish_Turkey.1254';

ALTER DATABASE kutuphane_otomasyonu OWNER TO postgres;

\connect kutuphane_otomasyonu

SET statement_timeout = 0;

SET lock_timeout = 0;

SET idle_in_transaction_session_timeout = 0;

SET client_encoding = 'UTF8';

SET standard_conforming_strings = on;

SELECT pg_catalog.set_config('search_path', '', false);

SET check_function_bodies = false;

SET xmloption = content;

SET client_min_messages = warning;

SET row_security = off;

--

-- TOC entry 239 (class 1255 OID 16984)

-- Name: basimtarihidegisikligi(); Type: FUNCTION; Schema: public; Owner: postgres

--

CREATE FUNCTION public.basimtarihidegisikligi() RETURNS trigger

LANGUAGE plpgsql

AS \$\$

BEGIN

IF NEW."tarih" <> OLD."tarih" THEN

**INSERT INTO "basimtarihidegisikligi"("tarih", "eskitarihi", "yenitarihi",
"degisiklikTarihi")**

VALUES(OLD."tarih", NEW."tarih", CURRENT_TIMESTAMP::TIMESTAMP);

END IF;

RETURN NEW;

END;

\$\$;

ALTER FUNCTION public.basimtarihidegisikligi() OWNER TO postgres;

--

-- TOC entry 238 (class 1255 OID 16976)

-- Name: cevirmenekle(); Type: FUNCTION; Schema: public; Owner: postgres

--

CREATE FUNCTION public.cevirmenekle() RETURNS trigger

LANGUAGE plpgsql

AS \$\$

BEGIN

NEW."cevirmensoyadi"=UPPER(NEW."cevirmensoyadi");

IF NEW."cevmendili" IS NULL THEN

RAISE EXCEPTION 'Çevirmen dili alanı boş olamaz!';

END IF;

RETURN NEW;

END;

\$\$;

ALTER FUNCTION public.cevirmenekle() OWNER TO postgres;


```
--  
-- TOC entry 258 (class 1255 OID 17123)  
-- Name: ilcesayisi(); Type: FUNCTION; Schema: public; Owner: postgres  
--
```

```
CREATE FUNCTION public.ilcesayisi() RETURNS integer
```

```
    LANGUAGE plpgsql
```

```
    AS $$
```

```
DECLARE
```

```
    total integer;
```

```
BEGIN
```

```
    SELECT count(*) into total FROM "ilce";
```

```
    RETURN total;
```

```
END;
```

```
$$;
```

```
ALTER FUNCTION public.ilcesayisi() OWNER TO postgres;
```

```
--  
-- TOC entry 237 (class 1255 OID 16973)  
-- Name: kitapekle(); Type: FUNCTION; Schema: public; Owner: postgres  
--
```

```
CREATE FUNCTION public.kitapekle() RETURNS trigger
```

```
    LANGUAGE plpgsql
```

```
    AS $$
```

```
Begin
```

```
    New."kitapadi"=Upper(New."kitapadi");
```

Return New;

End;

\$\$;

ALTER FUNCTION public.kitapekle() OWNER TO postgres;

--

-- TOC entry 241 (class 1255 OID 17124)

-- Name: kitapkaydetme(character varying, character varying, character varying, integer, integer, character varying, integer, integer, integer, integer, integer); Type: PROCEDURE; Schema: public; Owner: postgres

--

CREATE PROCEDURE public.kitapkaydetme(IN character varying, IN character varying, IN character varying, IN integer, IN integer, IN character varying, IN integer, IN integer, IN integer, IN integer, IN integer)

LANGUAGE plpgsql

AS \$\$

BEGIN

insert into

kitap(isbn,kitapadi,basim,sayfasayisi,stok,dolapyeri,turid,yazarid,yayineviid,kitapsayisi)

values

**(@isbn,@kitapadi,@basim,@sayfasayisi,@stok,@dolapyeri,@turid,@yazarid,@yayineviid,
@kitapsayisi);**

COMMIT;

END;

\$\$;

```
ALTER PROCEDURE public.kitapkaydetme(IN character varying, IN character varying, IN
character varying, IN integer, IN integer, IN character varying, IN integer, IN integer, IN
integer, IN integer, IN integer) OWNER TO postgres;
```

```
--
```

```
-- TOC entry 244 (class 1255 OID 17115)
```

```
-- Name: kitapkayit(); Type: FUNCTION; Schema: public; Owner: postgres
```

```
--
```

```
CREATE FUNCTION public.kitapkayit() RETURNS text
```

```
    LANGUAGE plpgsql
```

```
    AS $$
```

```
DECLARE
```

```
    kitap "kitap"%ROWTYPE;
```

```
    sonuc TEXT;
```

```
BEGIN
```

```
    sonuc := '';
```

```
    FOR kitap IN SELECT * FROM kitap LOOP
```

```
        sonuc:=sonuc || kitap."kitapid" || E'\t' || kitap."kitapadi" || E'\r\n';
```

```
    END LOOP;
```

```
    RETURN sonuc;
```

```
END;
```

```
$$;
```

```
ALTER FUNCTION public.kitapkayit() OWNER TO postgres;
```

```
--
```

```
-- TOC entry 256 (class 1255 OID 17005)
```

-- Name: kitaplistesi(); Type: FUNCTION; Schema: public; Owner: postgres

--

CREATE FUNCTION public.kitaplistesi() RETURNS TABLE(kitapid integer, isbn integer, kitapadi character varying, sayfasayisi integer, yazarid integer, stok integer, kitapsayisi integer, basim date, dolapyeri character varying, turid integer, yayineviid integer)

LANGUAGE plpgsql

AS \$\$

BEGIN

RETURN QUERY

select kitap.kitapid,

kitab.isbn,

kitab.kitapadi,

kitab.sayfasayisi,

kitab.yazarid,

kitab.basim,

kitab.dolapyeri,

kitab.turid,

kitab.yayineviid

from kitap;

END;

\$\$;

ALTER FUNCTION public.kitaplistesi() OWNER TO postgres;

```
--  
-- TOC entry 242 (class 1255 OID 17012)  
-- Name: testadres(); Type: FUNCTION; Schema: public; Owner: postgres  
--
```

```
CREATE FUNCTION public.testadres() RETURNS trigger  
    LANGUAGE plpgsql  
    AS $$  
DECLARE  
    uzunluk integer;  
BEGIN  
    uzunluk:=(select length(il) from adres order by adresid desc limit 1);  
UPDATE adresveri SET sayi=sayi+uzunluk;  
RETURN NEW;  
END;  
$$;
```

```
ALTER FUNCTION public.testadres() OWNER TO postgres;
```

```
--  
-- TOC entry 243 (class 1255 OID 16971)  
-- Name: toplamuyeizle(); Type: FUNCTION; Schema: public; Owner: postgres  
--
```

```
CREATE FUNCTION public.toplamuyeizle() RETURNS trigger  
    LANGUAGE plpgsql  
    AS $$  
begin
```

```
update toplamuye set toplamuye=toplamuye+1;

return new;

end;

$$;
```

```
ALTER FUNCTION public.toplamuyeizle() OWNER TO postgres;
```

```
--
```

```
-- TOC entry 257 (class 1255 OID 17007)
```

```
-- Name: uyelistesi(); Type: FUNCTION; Schema: public; Owner: postgres
```

```
--
```

```
CREATE FUNCTION public.uyelistesi() RETURNS TABLE(uyeid integer, uyead character
varying, uyesoyad character varying, uyecinsiyet character varying, adresid integer, eposta
character varying, telno character varying, okudugukitapsayisi integer)
```

```
    LANGUAGE plpgsql
```

```
    AS $$
```

```
BEGIN
```

```
RETURN QUERY
```

```
select uyeler.uyeid,
uyeler.uyead,
uyeler.uyesoyad,
uyeler.uyecinsiyet,
uyeler.adresid,
uyeler.eposta,
uyeler.telno,
uyeler.okudugukitapsayisi
```

from uyeler;

END;

\$\$;

ALTER FUNCTION public.uyelistesi() OWNER TO postgres;

--

-- TOC entry 240 (class 1255 OID 17008)

-- Name: uyesil(); Type: FUNCTION; Schema: public; Owner: postgres

--

CREATE FUNCTION public.uyesil() RETURNS trigger

LANGUAGE plpgsql

AS \$\$

BEGIN

Delete From uye where uye_id=OLD.uyeid;

RETURN OLD;

END;

\$\$;

ALTER FUNCTION public.uyesil() OWNER TO postgres;

SET default_tablespace = '';

SET default_table_access_method = heap;

--

-- TOC entry 210 (class 1259 OID 16841)

-- Name: adres; Type: TABLE; Schema: public; Owner: postgres

--

**CREATE TABLE public.adres (
 adresid integer NOT NULL
);**

ALTER TABLE public.adres OWNER TO postgres;

--

-- TOC entry 209 (class 1259 OID 16840)

-- Name: adres_adresid_seq; Type: SEQUENCE; Schema: public; Owner: postgres

--

**CREATE SEQUENCE public.adres_adresid_seq
 AS integer
 START WITH 1
 INCREMENT BY 1
 NO MINVALUE
 NO MAXVALUE
 CACHE 1;**

ALTER TABLE public.adres_adresid_seq OWNER TO postgres;

--

-- TOC entry 3478 (class 0 OID 0)

-- Dependencies: 209

-- Name: adres_adresid_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: postgres

--

ALTER SEQUENCE public.adres_adresid_seq OWNED BY public.adres.adresid;

--

-- TOC entry 232 (class 1259 OID 17009)

-- Name: adresveri; Type: TABLE; Schema: public; Owner: postgres

--

CREATE TABLE public.adresveri (

sayi integer

);

ALTER TABLE public.adresveri OWNER TO postgres;

--

-- TOC entry 212 (class 1259 OID 16848)

-- Name: cevirmenler; Type: TABLE; Schema: public; Owner: postgres

--

CREATE TABLE public.cevirmenler (

cevirmenid integer NOT NULL,

```
cevirmenadi character varying(20) NOT NULL,  
cevirmensoyadi character varying(20) NOT NULL,  
cevirmendili character varying(20)  
);
```

```
ALTER TABLE public.cevirmenler OWNER TO postgres;
```

```
--
```

```
-- TOC entry 211 (class 1259 OID 16847)
```

```
-- Name: cevirmenler_cevirmenid_seq; Type: SEQUENCE; Schema: public; Owner: postgres
```

```
--
```

```
CREATE SEQUENCE public.cevirmenler_cevirmenid_seq
```

```
AS integer
```

```
START WITH 1
```

```
INCREMENT BY 1
```

```
NO MINVALUE
```

```
NO MAXVALUE
```

```
CACHE 1;
```

```
ALTER TABLE public.cevirmenler_cevirmenid_seq OWNER TO postgres;
```

```
--
```

```
-- TOC entry 3479 (class 0 OID 0)
```

```
-- Dependencies: 211
```

```
-- Name: cevirmenler_cevirmenid_seq; Type: SEQUENCE OWNED BY; Schema: public;  
Owner: postgres
```

```
--
```

```
ALTER SEQUENCE public.cevirmenler_cevirmenid_seq OWNED BY
public.cevirmenler.cevirmenid;
```

```
--
```

```
-- TOC entry 214 (class 1259 OID 16855)
```

```
-- Name: emanetkitaplar; Type: TABLE; Schema: public; Owner: postgres
```

```
--
```

```
CREATE TABLE public.emanetkitaplar (
```

```
    uyeid integer NOT NULL,
```

```
    uyeadi character varying(20),
```

```
    uyesoyad character varying(20),
```

```
    telno character varying(11),
```

```
    kitapid integer NOT NULL,
```

```
    kitapadi character varying(40),
```

```
    basim date,
```

```
    kitapsayisi integer,
```

```
    teslimtarihi date,
```

```
    iadetarihi date,
```

```
    isbn character varying,
```

```
    uyeno character varying
```

```
);
```

```
ALTER TABLE public.emanetkitaplar OWNER TO postgres;
```

```
--
```

```
-- TOC entry 213 (class 1259 OID 16854)
```

-- Name: emanetkitaplar_uyeid_seq; Type: SEQUENCE; Schema: public; Owner: postgres

--

CREATE SEQUENCE public.emanetkitaplar_uyeid_seq

AS integer

START WITH 1

INCREMENT BY 1

NO MINVALUE

NO MAXVALUE

CACHE 1;

ALTER TABLE public.emanetkitaplar_uyeid_seq OWNER TO postgres;

--

-- TOC entry 3480 (class 0 OID 0)

-- Dependencies: 213

-- Name: emanetkitaplar_uyeid_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: postgres

--

**ALTER SEQUENCE public.emanetkitaplar_uyeid_seq OWNED BY
public.emanetkitaplar.uyeid;**

--

-- TOC entry 234 (class 1259 OID 17041)

-- Name: il; Type: TABLE; Schema: public; Owner: postgres

--

```
CREATE TABLE public.il (  
    iladi character varying,  
    ilid integer NOT NULL,  
    personelid integer,  
    cevirmenid integer  
);
```

```
ALTER TABLE public.il OWNER TO postgres;
```

```
--
```

```
-- TOC entry 233 (class 1259 OID 17040)
```

```
-- Name: il_ilid_seq; Type: SEQUENCE; Schema: public; Owner: postgres
```

```
--
```

```
CREATE SEQUENCE public.il_ilid_seq
```

```
    AS integer
```

```
    START WITH 1
```

```
    INCREMENT BY 1
```

```
    NO MINVALUE
```

```
    NO MAXVALUE
```

```
    CACHE 1;
```

```
ALTER TABLE public.il_ilid_seq OWNER TO postgres;
```

```
--
```

```
-- TOC entry 3481 (class 0 OID 0)
```

```
-- Dependencies: 233
```

-- Name: il_ilid_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: postgres

--

ALTER SEQUENCE public.il_ilid_seq OWNED BY public.il.ilid;

--

-- TOC entry 236 (class 1259 OID 17050)

-- Name: ilce; Type: TABLE; Schema: public; Owner: postgres

--

CREATE TABLE public.ilce (

 ilcead character varying,

 ilceid integer NOT NULL,

 personelid integer,

 cevirmenid integer

);

ALTER TABLE public.ilce OWNER TO postgres;

--

-- TOC entry 235 (class 1259 OID 17049)

-- Name: ilce_ilceid_seq; Type: SEQUENCE; Schema: public; Owner: postgres

--

CREATE SEQUENCE public.ilce_ilceid_seq

 AS integer

 START WITH 1

INCREMENT BY 1

NO MINVALUE

NO MAXVALUE

CACHE 1;

ALTER TABLE public.ilce_ilceid_seq OWNER TO postgres;

--

-- TOC entry 3482 (class 0 OID 0)

-- Dependencies: 235

-- Name: ilce_ilceid_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: postgres

--

ALTER SEQUENCE public.ilce_ilceid_seq OWNED BY public.ilce.ilceid;

--

-- TOC entry 216 (class 1259 OID 16862)

-- Name: kitap; Type: TABLE; Schema: public; Owner: postgres

--

CREATE TABLE public.kitap (

kitapid integer NOT NULL,

kitapadi character varying(40) NOT NULL,

sayfasayisi integer NOT NULL,

yazarid integer NOT NULL,

stok integer,

kitapsayisi integer,

```
basim character varying(20),
dolapyeri character varying(20),
turid integer,
yayineviid integer,
isbn character varying,
cevirmenid integer,
"kütüphaneid" integer
);
```

```
ALTER TABLE public.kitap OWNER TO postgres;
```

```
--
```

```
-- TOC entry 215 (class 1259 OID 16861)
```

```
-- Name: kitap_kitapid_seq; Type: SEQUENCE; Schema: public; Owner: postgres
```

```
--
```

```
CREATE SEQUENCE public.kitap_kitapid_seq
```

```
AS integer
```

```
START WITH 1
```

```
INCREMENT BY 1
```

```
NO MINVALUE
```

```
NO MAXVALUE
```

```
CACHE 1;
```

```
ALTER TABLE public.kitap_kitapid_seq OWNER TO postgres;
```

```
--
```



```
-- TOC entry 3483 (class 0 OID 0)
-- Dependencies: 215
-- Name: kitap_kitapid_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: postgres
--
```

```
ALTER SEQUENCE public.kitap_kitapid_seq OWNED BY public.kitap.kitapid;
```

```
--
-- TOC entry 218 (class 1259 OID 16869)
-- Name: kutuphane; Type: TABLE; Schema: public; Owner: postgres
--
```

```
CREATE TABLE public.kutuphane (
    kutuphaneid integer NOT NULL,
    kutuphaneadi character varying(30) NOT NULL,
    adresid integer NOT NULL,
    uyeid integer,
    personelid integer
);
```

```
ALTER TABLE public.kutuphane OWNER TO postgres;
```

```
--
-- TOC entry 217 (class 1259 OID 16868)
-- Name: kutuphane_kutuphaneid_seq; Type: SEQUENCE; Schema: public; Owner: postgres
--
```

CREATE SEQUENCE public.kutuphane_kutuphaneid_seq

AS integer

START WITH 1

INCREMENT BY 1

NO MINVALUE

NO MAXVALUE

CACHE 1;

ALTER TABLE public.kutuphane_kutuphaneid_seq OWNER TO postgres;

--

-- TOC entry 3484 (class 0 OID 0)

-- Dependencies: 217

**-- Name: kutuphane_kutuphaneid_seq; Type: SEQUENCE OWNED BY; Schema: public;
Owner: postgres**

--

**ALTER SEQUENCE public.kutuphane_kutuphaneid_seq OWNED BY
public.kutuphane.kutuphaneid;**

--

-- TOC entry 220 (class 1259 OID 16876)

-- Name: personel; Type: TABLE; Schema: public; Owner: postgres

--

CREATE TABLE public.personel (

personelid integer NOT NULL,

personelad character varying(10),

```
    personelsoyad character varying(10)
);
```

```
ALTER TABLE public.personel OWNER TO postgres;
```

```
--
-- TOC entry 219 (class 1259 OID 16875)
-- Name: personel_personelid_seq; Type: SEQUENCE; Schema: public; Owner: postgres
--
```

```
CREATE SEQUENCE public.personel_personelid_seq
    AS integer
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;
```

```
ALTER TABLE public.personel_personelid_seq OWNER TO postgres;
```

```
--
-- TOC entry 3485 (class 0 OID 0)
-- Dependencies: 219
-- Name: personel_personelid_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner:
postgres
--
```

```
ALTER SEQUENCE public.personel_personelid_seq OWNED BY public.personel.personelid;
```

```
--  
-- TOC entry 222 (class 1259 OID 16883)  
-- Name: sepet; Type: TABLE; Schema: public; Owner: postgres  
--
```

```
CREATE TABLE public.sepet (  
    kitapid integer NOT NULL,  
    kitapadi character varying(40),  
    kitapsayisi integer,  
    teslimtarihi date,  
    iadetarihi date,  
    basim date,  
    isbn character varying  
);
```

```
ALTER TABLE public.sepet OWNER TO postgres;
```

```
--  
-- TOC entry 221 (class 1259 OID 16882)  
-- Name: sepet_kitapid_seq; Type: SEQUENCE; Schema: public; Owner: postgres  
--
```

```
CREATE SEQUENCE public.sepet_kitapid_seq  
    AS integer  
    START WITH 1  
    INCREMENT BY 1
```

NO MINVALUE

NO MAXVALUE

CACHE 1;

ALTER TABLE public.sepet_kitapid_seq OWNER TO postgres;

--

-- TOC entry 3486 (class 0 OID 0)

-- Dependencies: 221

-- Name: sepet_kitapid_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: postgres

--

ALTER SEQUENCE public.sepet_kitapid_seq OWNED BY public.sepet.kitapid;

--

-- TOC entry 231 (class 1259 OID 16968)

-- Name: toplamuye; Type: TABLE; Schema: public; Owner: postgres

--

CREATE TABLE public.toplamuye (

toplamuye integer

);

ALTER TABLE public.toplamuye OWNER TO postgres;

--

```
-- TOC entry 224 (class 1259 OID 16890)
-- Name: tur; Type: TABLE; Schema: public; Owner: postgres
--
```

```
CREATE TABLE public.tur (
    turid integer NOT NULL,
    turadi character varying(30) NOT NULL
);
```

```
ALTER TABLE public.tur OWNER TO postgres;
```

```
--
-- TOC entry 223 (class 1259 OID 16889)
-- Name: tur_turid_seq; Type: SEQUENCE; Schema: public; Owner: postgres
--
```

```
CREATE SEQUENCE public.tur_turid_seq
    AS integer
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;
```

```
ALTER TABLE public.tur_turid_seq OWNER TO postgres;
```

```
--
```

```
-- TOC entry 3487 (class 0 OID 0)
-- Dependencies: 223
-- Name: tur_turid_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: postgres
--
```

```
ALTER SEQUENCE public.tur_turid_seq OWNED BY public.tur.turid;
```

```
--
-- TOC entry 226 (class 1259 OID 16897)
-- Name: uyeler; Type: TABLE; Schema: public; Owner: postgres
--
```

```
CREATE TABLE public.uyeler (
    uyeid integer NOT NULL,
    uyead character varying(20) NOT NULL,
    uyesoyad character varying(20) NOT NULL,
    uyecinsiyet character varying(6),
    adresid integer NOT NULL,
    eposta character varying(30) NOT NULL,
    telno character varying(11),
    okudugukitapsayisi integer,
    uyeno character varying
);
```

```
ALTER TABLE public.uyeler OWNER TO postgres;
```

```
--
```

-- TOC entry 225 (class 1259 OID 16896)

-- Name: uyeler_uyeid_seq; Type: SEQUENCE; Schema: public; Owner: postgres

--

CREATE SEQUENCE public.uyeler_uyeid_seq

AS integer

START WITH 1

INCREMENT BY 1

NO MINVALUE

NO MAXVALUE

CACHE 1;

ALTER TABLE public.uyeler_uyeid_seq OWNER TO postgres;

--

-- TOC entry 3488 (class 0 OID 0)

-- Dependencies: 225

-- Name: uyeler_uyeid_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: postgres

--

ALTER SEQUENCE public.uyeler_uyeid_seq OWNED BY public.uyeler.uyeid;

--

-- TOC entry 228 (class 1259 OID 16904)

-- Name: yayinevleri; Type: TABLE; Schema: public; Owner: postgres

--


```
CREATE TABLE public.yayinevleri (  
    yayineviid integer NOT NULL,  
    yayineviisim character varying(20),  
    adresid integer  
);
```

```
ALTER TABLE public.yayinevleri OWNER TO postgres;
```

```
--
```

```
-- TOC entry 227 (class 1259 OID 16903)
```

```
-- Name: yayinevleri_yayineviid_seq; Type: SEQUENCE; Schema: public; Owner: postgres
```

```
--
```

```
CREATE SEQUENCE public.yayinevleri_yayineviid_seq  
    AS integer  
    START WITH 1  
    INCREMENT BY 1  
    NO MINVALUE  
    NO MAXVALUE  
    CACHE 1;
```

```
ALTER TABLE public.yayinevleri_yayineviid_seq OWNER TO postgres;
```

```
--
```

```
-- TOC entry 3489 (class 0 OID 0)
```

```
-- Dependencies: 227
```

```
-- Name: yayinevleri_yayineviid_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner:  
postgres
```

--

**ALTER SEQUENCE public.yayinevleri_yayineviid_seq OWNED BY
public.yayinevleri.yayineviid;**

--

-- TOC entry 230 (class 1259 OID 16911)

-- Name: yazarlar; Type: TABLE; Schema: public; Owner: postgres

--

**CREATE TABLE public.yazarlar (
 yazarid integer NOT NULL,
 yazarad character varying(20) NOT NULL,
 yazarsoyad character varying(20) NOT NULL,
 yazaryas integer,
 adresid integer
);**

ALTER TABLE public.yazarlar OWNER TO postgres;

--

-- TOC entry 229 (class 1259 OID 16910)

-- Name: yazarlar_yazarid_seq; Type: SEQUENCE; Schema: public; Owner: postgres

--

**CREATE SEQUENCE public.yazarlar_yazarid_seq
 AS integer
 START WITH 1**

INCREMENT BY 1

NO MINVALUE

NO MAXVALUE

CACHE 1;

ALTER TABLE public.yazarlar_yazarid_seq OWNER TO postgres;

--

-- TOC entry 3490 (class 0 OID 0)

-- Dependencies: 229

-- Name: yazarlar_yazarid_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: postgres

--

ALTER SEQUENCE public.yazarlar_yazarid_seq OWNED BY public.yazarlar.yazarid;

--

-- TOC entry 3243 (class 2604 OID 16844)

-- Name: adres adresid; Type: DEFAULT; Schema: public; Owner: postgres

--

**ALTER TABLE ONLY public.adres ALTER COLUMN adresid SET DEFAULT
nextval('public.adres_adresid_seq'::regclass);**

--

-- TOC entry 3244 (class 2604 OID 16851)

-- Name: cevirmenler cevirmenid; Type: DEFAULT; Schema: public; Owner: postgres

--

**ALTER TABLE ONLY public.cevirmenler ALTER COLUMN cevirmenid SET DEFAULT
nextval('public.cevirmenler_cevirmenid_seq'::regclass);**

--

-- TOC entry 3245 (class 2604 OID 16858)

-- Name: emanetkitaplar uyeid; Type: DEFAULT; Schema: public; Owner: postgres

--

**ALTER TABLE ONLY public.emanetkitaplar ALTER COLUMN uyeid SET DEFAULT
nextval('public.emanetkitaplar_uyeid_seq'::regclass);**

--

-- TOC entry 3254 (class 2604 OID 17044)

-- Name: il ilid; Type: DEFAULT; Schema: public; Owner: postgres

--

**ALTER TABLE ONLY public.il ALTER COLUMN ilid SET DEFAULT
nextval('public.il_ilid_seq'::regclass);**

--

-- TOC entry 3255 (class 2604 OID 17053)

-- Name: ilce ilceid; Type: DEFAULT; Schema: public; Owner: postgres

--

**ALTER TABLE ONLY public.ilce ALTER COLUMN ilceid SET DEFAULT
nextval('public.ilce_ilceid_seq'::regclass);**

--

-- TOC entry 3246 (class 2604 OID 16865)

-- Name: kitap kitapid; Type: DEFAULT; Schema: public; Owner: postgres

--

**ALTER TABLE ONLY public.kitap ALTER COLUMN kitapid SET DEFAULT
nextval('public.kitap_kitapid_seq'::regclass);**

--

-- TOC entry 3247 (class 2604 OID 16872)

-- Name: kutuphane kutuphaneid; Type: DEFAULT; Schema: public; Owner: postgres

--

**ALTER TABLE ONLY public.kutuphane ALTER COLUMN kutuphaneid SET DEFAULT
nextval('public.kutuphane_kutuphaneid_seq'::regclass);**

--

-- TOC entry 3248 (class 2604 OID 16879)

-- Name: personel personelid; Type: DEFAULT; Schema: public; Owner: postgres

--

**ALTER TABLE ONLY public.personel ALTER COLUMN personelid SET DEFAULT
nextval('public.personel_personelid_seq'::regclass);**

--

-- TOC entry 3249 (class 2604 OID 16886)

-- Name: sepet kitapid; Type: DEFAULT; Schema: public; Owner: postgres

--

**ALTER TABLE ONLY public.sepet ALTER COLUMN kitapid SET DEFAULT
nextval('public.sepet_kitapid_seq'::regclass);**

--

-- TOC entry 3250 (class 2604 OID 16893)

-- Name: tur turid; Type: DEFAULT; Schema: public; Owner: postgres

--

**ALTER TABLE ONLY public.tur ALTER COLUMN turid SET DEFAULT
nextval('public.tur_turid_seq'::regclass);**

--

-- TOC entry 3251 (class 2604 OID 16900)

-- Name: uyeler uyeid; Type: DEFAULT; Schema: public; Owner: postgres

--

**ALTER TABLE ONLY public.uyeler ALTER COLUMN uyeid SET DEFAULT
nextval('public.uyeler_uyeid_seq'::regclass);**

--

-- TOC entry 3252 (class 2604 OID 16907)

-- Name: yayinevleri yayineviid; Type: DEFAULT; Schema: public; Owner: postgres

--

```
ALTER TABLE ONLY public.yayinevleri ALTER COLUMN yayineviid SET DEFAULT  
nextval('public.yayinevleri_yayineviid_seq'::regclass);
```

```
--
```

```
-- TOC entry 3253 (class 2604 OID 16914)
```

```
-- Name: yazarlar yazarid; Type: DEFAULT; Schema: public; Owner: postgres
```

```
--
```

```
ALTER TABLE ONLY public.yazarlar ALTER COLUMN yazarid SET DEFAULT  
nextval('public.yazarlar_yazarid_seq'::regclass);
```

```
--
```

```
-- TOC entry 3445 (class 0 OID 16841)
```

```
-- Dependencies: 210
```

```
-- Data for Name: adres; Type: TABLE DATA; Schema: public; Owner: postgres
```

```
--
```

```
INSERT INTO public.adres (adresid) VALUES (1);
```

```
INSERT INTO public.adres (adresid) VALUES (2);
```

```
INSERT INTO public.adres (adresid) VALUES (3);
```

```
INSERT INTO public.adres (adresid) VALUES (4);
```

```
INSERT INTO public.adres (adresid) VALUES (5);
```

```
INSERT INTO public.adres (adresid) VALUES (6);
```

```
INSERT INTO public.adres (adresid) VALUES (8);
```

```
INSERT INTO public.adres (adresid) VALUES (10);
```

```
INSERT INTO public.adres (adresid) VALUES (11);
```

--

-- TOC entry 3467 (class 0 OID 17009)

-- Dependencies: 232

-- Data for Name: adresveri; Type: TABLE DATA; Schema: public; Owner: postgres

--

--

-- TOC entry 3447 (class 0 OID 16848)

-- Dependencies: 212

-- Data for Name: cevirmenler; Type: TABLE DATA; Schema: public; Owner: postgres

--

INSERT INTO public.cevirmenler (cevirmenid, cevirmenadi, cevirmensoyadi, cevirmendili)
VALUES (1, 'Azra', 'ERHAT', 'Yunanca');

INSERT INTO public.cevirmenler (cevirmenid, cevirmenadi, cevirmensoyadi, cevirmendili)
VALUES (2, 'Bilgin', 'ADALI', 'Latince');

INSERT INTO public.cevirmenler (cevirmenid, cevirmenadi, cevirmensoyadi, cevirmendili)
VALUES (4, 'Adnan', 'CİMCOZ', 'Almanca');

INSERT INTO public.cevirmenler (cevirmenid, cevirmenadi, cevirmensoyadi, cevirmendili)
VALUES (3, 'Adalet', 'CEMGİL', 'Rusça');

--

-- TOC entry 3449 (class 0 OID 16855)

-- Dependencies: 214

-- Data for Name: emanetkitaplar; Type: TABLE DATA; Schema: public; Owner: postgres

--

INSERT INTO public.emanetkitaplar (uyeid, uyeadi, uyesoyad, telno, kitapid, kitapadi, basim, kitapsayisi, teslim tarihi, iadetarihi, isbn, uyeno) VALUES (1, 'A', 'G', '123', 1, 'A', '2001-02-02', 1, '2021-12-02', '2021-12-04', '1', '1');

INSERT INTO public.emanetkitaplar (uyeid, uyeadi, uyesoyad, telno, kitapid, kitapadi, basim, kitapsayisi, teslim tarihi, iadetarihi, isbn, uyeno) VALUES (2, 'B', 'B', '2324', 2, 'TR', '2001-02-02', 25, '2021-03-03', '2021-04-04', '2', '2');

INSERT INTO public.emanetkitaplar (uyeid, uyeadi, uyesoyad, telno, kitapid, kitapadi, basim, kitapsayisi, teslim tarihi, iadetarihi, isbn, uyeno) VALUES (3, 'C', 'D', 'DFDFD', 3, 'FR', '2000-04-04', 1, '2021-05-06', '2021-05-05', '3', '3');

--

-- TOC entry 3469 (class 0 OID 17041)

-- Dependencies: 234

-- Data for Name: il; Type: TABLE DATA; Schema: public; Owner: postgres

--

INSERT INTO public.il (iladi, ilid, personelid, cevirmenid) VALUES ('Tokat', 1, 1, 1);

INSERT INTO public.il (iladi, ilid, personelid, cevirmenid) VALUES ('Ankara', 2, 2, 2);

INSERT INTO public.il (iladi, ilid, personelid, cevirmenid) VALUES ('Sivas', 3, 3, 3);

--

-- TOC entry 3471 (class 0 OID 17050)

-- Dependencies: 236

-- Data for Name: ilce; Type: TABLE DATA; Schema: public; Owner: postgres

--

--

-- TOC entry 3451 (class 0 OID 16862)

-- Dependencies: 216

-- Data for Name: kitap; Type: TABLE DATA; Schema: public; Owner: postgres

--

INSERT INTO public.kitap (kitapid, kitapadi, sayfasayisi, yazarid, stok, kitapsayisi, basim, dolapyeri, turid, yayineviid, isbn, cevirmenid, "kütüphaneid") VALUES (1, 'A', 1, 1, 1, 1, '1', 'HHY', 1, 1, NULL, NULL, NULL);

INSERT INTO public.kitap (kitapid, kitapadi, sayfasayisi, yazarid, stok, kitapsayisi, basim, dolapyeri, turid, yayineviid, isbn, cevirmenid, "kütüphaneid") VALUES (2, 'B', 3, 2, 2, 2, '2', 'HYH', 2, 2, NULL, NULL, NULL);

INSERT INTO public.kitap (kitapid, kitapadi, sayfasayisi, yazarid, stok, kitapsayisi, basim, dolapyeri, turid, yayineviid, isbn, cevirmenid, "kütüphaneid") VALUES (3, 'a', 12, 1, 1, 12, '2001-01-01', 'gf', 1, 1, NULL, NULL, NULL);

INSERT INTO public.kitap (kitapid, kitapadi, sayfasayisi, yazarid, stok, kitapsayisi, basim, dolapyeri, turid, yayineviid, isbn, cevirmenid, "kütüphaneid") VALUES (21, 'A', 1, 2, 4, 0, '1234-02-02', 'hfg', 1, 2, '1', NULL, NULL);

INSERT INTO public.kitap (kitapid, kitapadi, sayfasayisi, yazarid, stok, kitapsayisi, basim, dolapyeri, turid, yayineviid, isbn, cevirmenid, "kütüphaneid") VALUES (25, 'A', 1, 2, 4, 0, '1234-02-02', 'hfg', 1, 2, '1', NULL, NULL);

INSERT INTO public.kitap (kitapid, kitapadi, sayfasayisi, yazarid, stok, kitapsayisi, basim, dolapyeri, turid, yayineviid, isbn, cevirmenid, "kütüphaneid") VALUES (26, 'A', 1, 2, 4, 0, '1234-02-02', 'hfg', 1, 2, '1', NULL, NULL);

INSERT INTO public.kitap (kitapid, kitapadi, sayfasayisi, yazarid, stok, kitapsayisi, basim, dolapyeri, turid, yayineviid, isbn, cevirmenid, "kütüphaneid") VALUES (28, 'AY', 234, 2, 12, 0, '2000-02-02', 'b-21', 2, 2, '1', NULL, NULL);

INSERT INTO public.kitap (kitapid, kitapadi, sayfasayisi, yazarid, stok, kitapsayisi, basim, dolapyeri, turid, yayineviid, isbn, cevirmenid, "kütüphaneid") VALUES (4, 'ABCDEF', 4, 4, 5, 7, '1999', 'feff', 2, 3, NULL, NULL, NULL);

INSERT INTO public.kitap (kitapid, kitapadi, sayfasayisi, yazarid, stok, kitapsayisi, basim, dolapyeri, turid, yayineviid, isbn, cevirmenid, "kütüphaneid") VALUES (5, 'Q', 12, 3, 1, 0, '20001-05-05', 'sede', 1, 1, NULL, NULL, NULL);

INSERT INTO public.kitap (kitapid, kitapadi, sayfasayisi, yazarid, stok, kitapsayisi, basim, dolapyeri, turid, yayineviid, isbn, cevirmenid, "kütüphaneid") VALUES (15, 'A', 1, 1, 1, 0, '2000-02-02', 'ef', 1, 1, NULL, NULL, NULL);

```
INSERT INTO public.kitap (kitapid, kitapadi, sayfasayisi, yazarid, stok, kitapsayisi, basim,
dolapyeri, turid, yayineviid, isbn, cevirmenid, "kütüphaneid") VALUES (20, 'AF', 1, 1, 1, 0,
'2000-01-02', 'rrge', 1, 1, NULL, NULL, NULL);
```

--

-- TOC entry 3453 (class 0 OID 16869)

-- Dependencies: 218

-- Data for Name: kutuphane; Type: TABLE DATA; Schema: public; Owner: postgres

--

```
INSERT INTO public.kutuphane (kutuphaneid, kutuphaneadi, adresid, uyeid, personelid)
VALUES (1, 'A', 1, 1, 1);
```

```
INSERT INTO public.kutuphane (kutuphaneid, kutuphaneadi, adresid, uyeid, personelid)
VALUES (2, 'B', 2, 2, 2);
```

```
INSERT INTO public.kutuphane (kutuphaneid, kutuphaneadi, adresid, uyeid, personelid)
VALUES (3, 'C', 3, 3, 3);
```

```
INSERT INTO public.kutuphane (kutuphaneid, kutuphaneadi, adresid, uyeid, personelid)
VALUES (4, 'D', 4, 4, 4);
```

--

-- TOC entry 3455 (class 0 OID 16876)

-- Dependencies: 220

-- Data for Name: personel; Type: TABLE DATA; Schema: public; Owner: postgres

--

```
INSERT INTO public.personel (personelid, personelad, personelsoyad) VALUES (1, 'Aylin',
'SERT');
```

```
INSERT INTO public.personel (personelid, personelad, personelsoyad) VALUES (2, 'Ceyda',
'ALSAN');
```

INSERT INTO public.personel (personelid, personelad, personelsoyad) VALUES (3, 'Ali', 'MERT');

INSERT INTO public.personel (personelid, personelad, personelsoyad) VALUES (4, 'Yavuz', 'YURT');

--

-- TOC entry 3457 (class 0 OID 16883)

-- Dependencies: 222

-- Data for Name: sepet; Type: TABLE DATA; Schema: public; Owner: postgres

--

INSERT INTO public.sepet (kitapid, kitapadi, kitapsayisi, teslimtarihi, iadetarihi, basim, isbn) VALUES (5, 'b', 5, '2021-02-02', '2021-02-05', '2001-02-03', '1');

INSERT INTO public.sepet (kitapid, kitapadi, kitapsayisi, teslimtarihi, iadetarihi, basim, isbn) VALUES (21, 'VFKVFJK', 0, '2021-12-10', '2021-12-10', '2000-01-01', '1');

INSERT INTO public.sepet (kitapid, kitapadi, kitapsayisi, teslimtarihi, iadetarihi, basim, isbn) VALUES (1, 'A', 12, '2021-03-21', '2021-03-21', '2021-03-21', '4');

INSERT INTO public.sepet (kitapid, kitapadi, kitapsayisi, teslimtarihi, iadetarihi, basim, isbn) VALUES (2, 'a', 1, '2021-12-10', '2021-12-10', '2000-02-02', '3');

INSERT INTO public.sepet (kitapid, kitapadi, kitapsayisi, teslimtarihi, iadetarihi, basim, isbn) VALUES (4, 'ü', 1, '2021-12-10', '2021-12-10', '2000-01-03', '2');

--

-- TOC entry 3466 (class 0 OID 16968)

-- Dependencies: 231

-- Data for Name: toplamuye; Type: TABLE DATA; Schema: public; Owner: postgres

--

INSERT INTO public.toplamuye (toplamuye) VALUES (20);

--

-- TOC entry 3459 (class 0 OID 16890)

-- Dependencies: 224

-- Data for Name: tur; Type: TABLE DATA; Schema: public; Owner: postgres

--

INSERT INTO public.tur (turid, turadi) VALUES (1, 'A');

INSERT INTO public.tur (turid, turadi) VALUES (2, 'B');

INSERT INTO public.tur (turid, turadi) VALUES (3, 'C');

INSERT INTO public.tur (turid, turadi) VALUES (4, 'D');

INSERT INTO public.tur (turid, turadi) VALUES (5, 'E');

--

-- TOC entry 3461 (class 0 OID 16897)

-- Dependencies: 226

-- Data for Name: uyeler; Type: TABLE DATA; Schema: public; Owner: postgres

--

INSERT INTO public.uyeler (uyeid, uyead, uyesoyad, uyecinsiyet, adresid, eposta, telno, okudugukitapsayisi, uyeno) VALUES (19, 'Aynur', 'GENÇ', 'Kadın', 2, 'ay@gmail.com', '123456', 0, '20');

INSERT INTO public.uyeler (uyeid, uyead, uyesoyad, uyecinsiyet, adresid, eposta, telno, okudugukitapsayisi, uyeno) VALUES (2, 'Ayşegül', 'GENÇEL', 'Kadın', 1, 'wdef', '12', 12, '12');

INSERT INTO public.uyeler (uyeid, uyead, uyesoyad, uyecinsiyet, adresid, eposta, telno, okudugukitapsayisi, uyeno) VALUES (20, 'ay', 'ge', 'Kadın', 1, 'werwer', '1234', 0, '1');

INSERT INTO public.uyeler (uyeid, uyead, uyesoyad, uyecinsiyet, adresid, eposta, telno, okudugukitapsayisi, uyeno) VALUES (6, 'Oğuzcan', 'KARPINAR', 'Erkek', 1, 'sffr', '123', 0, '6');

INSERT INTO public.uyeler (uyeid, uyead, uyesoyad, uyecinsiyet, adresid, eposta, telno, okudugukitapsayisi, uyeno) VALUES (1, 'Yağmur', 'SAĞLAM', 'Kadın', 2, 'dhfhdzfj', 'w021', 20, '13');

INSERT INTO public.uyeler (uyeid, uyead, uyesoyad, uyecinsiyet, adresid, eposta, telno, okudugukitapsayisi, uyeno) VALUES (3, 'Maide', 'AKIN', 'Kadın', 3, 'FDF', '123', 13, '11');

INSERT INTO public.uyeler (uyeid, uyead, uyesoyad, uyecinsiyet, adresid, eposta, telno, okudugukitapsayisi, uyeno) VALUES (4, 'Kübra', 'ÇAL', 'Kadın', 1, 'rgg', '1234', 5, '9');

INSERT INTO public.uyeler (uyeid, uyead, uyesoyad, uyecinsiyet, adresid, eposta, telno, okudugukitapsayisi, uyeno) VALUES (5, 'Sedanur', 'ÖZDEMİR', 'Kadın', 2, 'hjjjj', '78', 2, '8');

INSERT INTO public.uyeler (uyeid, uyead, uyesoyad, uyecinsiyet, adresid, eposta, telno, okudugukitapsayisi, uyeno) VALUES (7, 'Sıla', 'ÖZTÜRK', 'Kadın', 1, 'uju', '788', 8, '5');

INSERT INTO public.uyeler (uyeid, uyead, uyesoyad, uyecinsiyet, adresid, eposta, telno, okudugukitapsayisi, uyeno) VALUES (8, 'Tuğçe', 'GÖZÜPEK', 'Kadın', 2, 'yttt', 'trytry', 7, '4');

INSERT INTO public.uyeler (uyeid, uyead, uyesoyad, uyecinsiyet, adresid, eposta, telno, okudugukitapsayisi, uyeno) VALUES (9, 'Okan', 'KARAOĞLU', 'Erkek', 1, 'tgb', 'tggt', 6, '3');

INSERT INTO public.uyeler (uyeid, uyead, uyesoyad, uyecinsiyet, adresid, eposta, telno, okudugukitapsayisi, uyeno) VALUES (13, 'Emircan', 'GÜL', 'Erkek', 4, 'rgrg', '123rr', 15, '7');

INSERT INTO public.uyeler (uyeid, uyead, uyesoyad, uyecinsiyet, adresid, eposta, telno, okudugukitapsayisi, uyeno) VALUES (15, 'Gülsüm', 'KALKAN', 'Kadın', 1, 'DFSaf', 'DSD', 25, '10');

INSERT INTO public.uyeler (uyeid, uyead, uyesoyad, uyecinsiyet, adresid, eposta, telno, okudugukitapsayisi, uyeno) VALUES (16, 'Yahya', 'GENÇEL', 'Erkek', 1, 'fdsfs', 'sfdfd', 4, '2');

--

-- TOC entry 3463 (class 0 OID 16904)

-- Dependencies: 228

-- Data for Name: yayinevleri; Type: TABLE DATA; Schema: public; Owner: postgres

--

INSERT INTO public.yayinevleri (yayineviid, yayineviisim, adresid) VALUES (1, 'A', 1);

INSERT INTO public.yayinevleri (yayineviid, yayineviisim, adresid) VALUES (2, 'B', 2);

INSERT INTO public.yayinevleri (yayineviid, yayineviisim, adresid) VALUES (3, 'C', 3);

```
INSERT INTO public.yayinevleri (yayineviid, yayineviisim, adresid) VALUES (4, 'D', 4);
INSERT INTO public.yayinevleri (yayineviid, yayineviisim, adresid) VALUES (5, 'E', 5);
INSERT INTO public.yayinevleri (yayineviid, yayineviisim, adresid) VALUES (6, 'F', 6);
INSERT INTO public.yayinevleri (yayineviid, yayineviisim, adresid) VALUES (8, 'G', 8);
INSERT INTO public.yayinevleri (yayineviid, yayineviisim, adresid) VALUES (10, 'K', 10);
```

--

-- TOC entry 3465 (class 0 OID 16911)

-- Dependencies: 230

-- Data for Name: yazarlar; Type: TABLE DATA; Schema: public; Owner: postgres

--

```
INSERT INTO public.yazarlar (yazarid, yazarad, yazarsoyad, yazaryas, adresid) VALUES (1,
'Sait Faik', 'ABASIYANIK', 30, 1);
```

```
INSERT INTO public.yazarlar (yazarid, yazarad, yazarsoyad, yazaryas, adresid) VALUES (2,
'Halide Edip', 'ADIVAR', 34, 3);
```

```
INSERT INTO public.yazarlar (yazarid, yazarad, yazarsoyad, yazaryas, adresid) VALUES (3,
'Adalet', 'AĞAOĞLU', 40, 5);
```

```
INSERT INTO public.yazarlar (yazarid, yazarad, yazarsoyad, yazaryas, adresid) VALUES (4,
'Sabahattin', 'ALİ', 75, 4);
```

```
INSERT INTO public.yazarlar (yazarid, yazarad, yazarsoyad, yazaryas, adresid) VALUES (5,
'Nazan', 'AKSOY', 15, 2);
```

```
INSERT INTO public.yazarlar (yazarid, yazarad, yazarsoyad, yazaryas, adresid) VALUES (6,
'Yücel ', 'FEYZİOĞLU', 42, 1);
```

```
INSERT INTO public.yazarlar (yazarid, yazarad, yazarsoyad, yazaryas, adresid) VALUES (7,
'Nazım', 'HİKMET', 78, 5);
```

--

-- TOC entry 3491 (class 0 OID 0)

-- Dependencies: 209

-- Name: adres_adresid_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres

--

SELECT pg_catalog.setval('public.adres_adresid_seq', 1, false);

--

-- TOC entry 3492 (class 0 OID 0)

-- Dependencies: 211

-- Name: cevirmenler_cevirmenid_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres

--

SELECT pg_catalog.setval('public.cevirmenler_cevirmenid_seq', 1, false);

--

-- TOC entry 3493 (class 0 OID 0)

-- Dependencies: 213

-- Name: emanetkitaplar_uyeid_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres

--

SELECT pg_catalog.setval('public.emanetkitaplar_uyeid_seq', 1, false);

--

-- TOC entry 3494 (class 0 OID 0)

-- Dependencies: 233

-- Name: il_ilid_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres

--

SELECT pg_catalog.setval('public.il_ilid_seq', 1, false);

--

-- TOC entry 3495 (class 0 OID 0)

-- Dependencies: 235

-- Name: ilce_ilceid_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres

--

SELECT pg_catalog.setval('public.ilce_ilceid_seq', 1, false);

--

-- TOC entry 3496 (class 0 OID 0)

-- Dependencies: 215

-- Name: kitap_kitapid_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres

--

SELECT pg_catalog.setval('public.kitap_kitapid_seq', 28, true);

--

-- TOC entry 3497 (class 0 OID 0)

-- Dependencies: 217

-- Name: kutuphane_kutuphaneid_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres

--

```
SELECT pg_catalog.setval('public.kutuphane_kutuphaneid_seq', 1, false);
```

```
--
```

```
-- TOC entry 3498 (class 0 OID 0)
```

```
-- Dependencies: 219
```

```
-- Name: personel_personelid_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres
```

```
--
```

```
SELECT pg_catalog.setval('public.personel_personelid_seq', 1, false);
```

```
--
```

```
-- TOC entry 3499 (class 0 OID 0)
```

```
-- Dependencies: 221
```

```
-- Name: sepet_kitapid_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres
```

```
--
```

```
SELECT pg_catalog.setval('public.sepet_kitapid_seq', 9, true);
```

```
--
```

```
-- TOC entry 3500 (class 0 OID 0)
```

```
-- Dependencies: 223
```

```
-- Name: tur_turid_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres
```

```
--
```

```
SELECT pg_catalog.setval('public.tur_turid_seq', 1, false);
```

--

-- TOC entry 3501 (class 0 OID 0)

-- Dependencies: 225

-- Name: uyeler_uyeid_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres

--

SELECT pg_catalog.setval('public.uyeler_uyeid_seq', 20, true);

--

-- TOC entry 3502 (class 0 OID 0)

-- Dependencies: 227

-- Name: yayinevleri_yayineviid_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres

--

SELECT pg_catalog.setval('public.yayinevleri_yayineviid_seq', 1, false);

--

-- TOC entry 3503 (class 0 OID 0)

-- Dependencies: 229

-- Name: yazarlar_yazarid_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres

--

SELECT pg_catalog.setval('public.yazarlar_yazarid_seq', 1, false);

--

-- TOC entry 3257 (class 2606 OID 16846)

-- Name: adres adres_pkey; Type: CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.adres

ADD CONSTRAINT adres_pkey PRIMARY KEY (adresid);

--

-- TOC entry 3259 (class 2606 OID 16853)

-- Name: cevirmenler cevirmenler_pkey; Type: CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.cevirmenler

ADD CONSTRAINT cevirmenler_pkey PRIMARY KEY (cevirmenid);

--

-- TOC entry 3261 (class 2606 OID 16860)

-- Name: emanetkitaplar emanetkitaplar_pkey; Type: CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.emanetkitaplar

ADD CONSTRAINT emanetkitaplar_pkey PRIMARY KEY (uyeid);

--

-- TOC entry 3279 (class 2606 OID 17048)

-- Name: il_il_pkey; Type: CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.il

ADD CONSTRAINT il_pkey PRIMARY KEY (ilid);

--

-- TOC entry 3281 (class 2606 OID 17057)

-- Name: ilce_ilce_pkey; Type: CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.ilce

ADD CONSTRAINT ilce_pkey PRIMARY KEY (ilceid);

--

-- TOC entry 3263 (class 2606 OID 16867)

-- Name: kitap_kitap_pkey; Type: CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.kitap

ADD CONSTRAINT kitap_pkey PRIMARY KEY (kitapid);

--

-- TOC entry 3265 (class 2606 OID 16874)

-- Name: kutuphane_kutuphane_pkey; Type: CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.kutuphane

ADD CONSTRAINT kutuphane_pkey PRIMARY KEY (kutuphaneid);

--

-- TOC entry 3267 (class 2606 OID 16881)

-- Name: personel personel_pkey; Type: CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.personel

ADD CONSTRAINT personel_pkey PRIMARY KEY (personelid);

--

-- TOC entry 3269 (class 2606 OID 16888)

-- Name: sepet sepet_pkey; Type: CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.sepet

ADD CONSTRAINT sepet_pkey PRIMARY KEY (kitapid);

--

-- TOC entry 3271 (class 2606 OID 16895)

-- Name: tur tur_pkey; Type: CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.tur

ADD CONSTRAINT tur_pkey PRIMARY KEY (turid);

--

-- TOC entry 3273 (class 2606 OID 16902)

-- Name: uyeler uyeler_pkey; Type: CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.uyeler

ADD CONSTRAINT uyeler_pkey PRIMARY KEY (uyeid);

--

-- TOC entry 3275 (class 2606 OID 16909)

-- Name: yayinevleri yayinevleri_pkey; Type: CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.yayinevleri

ADD CONSTRAINT yayinevleri_pkey PRIMARY KEY (yayineviid);

--

-- TOC entry 3277 (class 2606 OID 16916)

-- Name: yazarlar yazarlar_pkey; Type: CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.yazarlar

ADD CONSTRAINT yazarlar_pkey PRIMARY KEY (yazarid);

--

-- TOC entry 3302 (class 2620 OID 16977)

-- Name: cevirmenler cevirmenkontrol; Type: TRIGGER; Schema: public; Owner: postgres

--

CREATE TRIGGER cevirmenkontrol BEFORE INSERT OR UPDATE ON public.cevirmenler FOR EACH ROW EXECUTE FUNCTION public.cevirmenekle();

--

-- TOC entry 3303 (class 2620 OID 16974)

-- Name: kitap kitapkayitkontrol; Type: TRIGGER; Schema: public; Owner: postgres

--

CREATE TRIGGER kitapkayitkontrol BEFORE INSERT OR UPDATE ON public.kitap FOR EACH ROW EXECUTE FUNCTION public.kitapekle();

--

-- TOC entry 3301 (class 2620 OID 17013)

-- Name: adres testadrestrig; Type: TRIGGER; Schema: public; Owner: postgres

--

CREATE TRIGGER testadrestrig AFTER INSERT ON public.adres FOR EACH ROW EXECUTE FUNCTION public.testadres();

--

-- TOC entry 3304 (class 2620 OID 16972)

-- Name: uyeler testtrig; Type: TRIGGER; Schema: public; Owner: postgres

--

**CREATE TRIGGER testtrig AFTER INSERT ON public.uyeler FOR EACH ROW EXECUTE
FUNCTION public.toplamuyeizle();**

--

-- TOC entry 3282 (class 2606 OID 16917)

**-- Name: cevirmenler cevirmenler_cevirmenid_fkey; Type: FK CONSTRAINT; Schema:
public; Owner: postgres**

--

ALTER TABLE ONLY public.cevirmenler

**ADD CONSTRAINT cevirmenler_cevirmenid_fkey FOREIGN KEY (cevirmenid) REFERENCES
public.kitap(kitapid) NOT VALID;**

--

-- TOC entry 3283 (class 2606 OID 17110)

**-- Name: emanetkitaplar emanetkitaplar_kitapid_fkey; Type: FK CONSTRAINT; Schema:
public; Owner: postgres**

--

ALTER TABLE ONLY public.emanetkitaplar

**ADD CONSTRAINT emanetkitaplar_kitapid_fkey FOREIGN KEY (kitapid) REFERENCES
public.kitap(kitapid) NOT VALID;**

--

-- TOC entry 3298 (class 2606 OID 17100)

-- Name: il_il_cevirmenid_fkey; Type: FK CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.il

**ADD CONSTRAINT il_cevirmenid_fkey FOREIGN KEY (cevirmenid) REFERENCES
public.cevirmenler(cevirmenid) NOT VALID;**

--

-- TOC entry 3297 (class 2606 OID 17090)

-- Name: il_il_personelid_fkey; Type: FK CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.il

**ADD CONSTRAINT il_personelid_fkey FOREIGN KEY (personelid) REFERENCES
public.personel(personelid) NOT VALID;**

--

-- TOC entry 3300 (class 2606 OID 17105)

-- Name: ilce_ilce_cevirmenid_fkey; Type: FK CONSTRAINT; Schema: public; Owner:
postgres

--

ALTER TABLE ONLY public.ilce

**ADD CONSTRAINT ilce_cevirmenid_fkey FOREIGN KEY (cevirmenid) REFERENCES
public.cevirmenler(cevirmenid) NOT VALID;**

--

-- TOC entry 3299 (class 2606 OID 17095)

-- Name: ilce ilce_personelid_fkey; Type: FK CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.ilce

ADD CONSTRAINT ilce_personelid_fkey FOREIGN KEY (personelid) REFERENCES public.personel(personelid) NOT VALID;

--

-- TOC entry 3287 (class 2606 OID 17065)

-- Name: kitap kitap_cevirmenid_fkey; Type: FK CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.kitap

ADD CONSTRAINT kitap_cevirmenid_fkey FOREIGN KEY (cevirmenid) REFERENCES public.cevirmenler(cevirmenid) NOT VALID;

--

-- TOC entry 3288 (class 2606 OID 17080)

-- Name: kitap kitap_kütüphaneid_fkey; Type: FK CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.kitap

ADD CONSTRAINT "kitap_kütüphaneid_fkey" FOREIGN KEY ("kütüphaneid") REFERENCES public.kutuphane(kutuphaneid) NOT VALID;

--
-- TOC entry 3285 (class 2606 OID 17019)
-- Name: kitap kitap_turid_fkey; Type: FK CONSTRAINT; Schema: public; Owner: postgres
--

ALTER TABLE ONLY public.kitap

**ADD CONSTRAINT kitap_turid_fkey FOREIGN KEY (turid) REFERENCES public.tur(turid)
NOT VALID;**

--
-- TOC entry 3286 (class 2606 OID 17060)
-- Name: kitap kitap_yayineviid_fkey; Type: FK CONSTRAINT; Schema: public; Owner: postgres
--

ALTER TABLE ONLY public.kitap

ADD CONSTRAINT kitap_yayineviid_fkey FOREIGN KEY (yayineviid) REFERENCES public.yayinevleri(yayineviid) NOT VALID;

--
-- TOC entry 3284 (class 2606 OID 17014)
-- Name: kitap kitap_yazarid_fkey; Type: FK CONSTRAINT; Schema: public; Owner: postgres
--

ALTER TABLE ONLY public.kitap

ADD CONSTRAINT kitap_yazarid_fkey FOREIGN KEY (yazarid) REFERENCES public.yazarlar(yazarid) NOT VALID;

--

-- TOC entry 3289 (class 2606 OID 17024)

-- Name: kutuphane kutuphane_adresid_fkey; Type: FK CONSTRAINT; Schema: public;
Owner: postgres

--

ALTER TABLE ONLY public.kutuphane

**ADD CONSTRAINT kutuphane_adresid_fkey FOREIGN KEY (adresid) REFERENCES
public.adres(adresid) NOT VALID;**

--

-- TOC entry 3291 (class 2606 OID 17075)

-- Name: kutuphane kutuphane_personelid_fkey; Type: FK CONSTRAINT; Schema: public;
Owner: postgres

--

ALTER TABLE ONLY public.kutuphane

**ADD CONSTRAINT kutuphane_personelid_fkey FOREIGN KEY (personelid) REFERENCES
public.personel(personelid) NOT VALID;**

--

-- TOC entry 3290 (class 2606 OID 17070)

-- Name: kutuphane kutuphane_uyeid_fkey; Type: FK CONSTRAINT; Schema: public;
Owner: postgres

--

ALTER TABLE ONLY public.kutuphane

**ADD CONSTRAINT kutuphane_uyeid_fkey FOREIGN KEY (uyeid) REFERENCES
public.uyeler(uyeid) NOT VALID;**

--

-- TOC entry 3292 (class 2606 OID 16942)

-- Name: personel personel_personelid_fkey; Type: FK CONSTRAINT; Schema: public;
Owner: postgres

--

ALTER TABLE ONLY public.personel

**ADD CONSTRAINT personel_personelid_fkey FOREIGN KEY (personelid) REFERENCES
public.kutuphane(kutuphaneid) NOT VALID;**

--

-- TOC entry 3293 (class 2606 OID 16947)

-- Name: sepet sepet_kitapid_fkey; Type: FK CONSTRAINT; Schema: public; Owner:
postgres

--

ALTER TABLE ONLY public.sepet

**ADD CONSTRAINT sepet_kitapid_fkey FOREIGN KEY (kitapid) REFERENCES
public.kitap(kitapid) NOT VALID;**

--

-- TOC entry 3294 (class 2606 OID 16952)

-- Name: uyeler uyeler_adresid_fkey; Type: FK CONSTRAINT; Schema: public; Owner:
postgres

--

ALTER TABLE ONLY public.uyeler

**ADD CONSTRAINT uyeler_adresid_fkey FOREIGN KEY (adresid) REFERENCES
public.adres(adresid) NOT VALID;**

--

-- TOC entry 3295 (class 2606 OID 16957)

-- Name: yayinevleri yayinevleri_adresid_fkey; Type: FK CONSTRAINT; Schema: public;
Owner: postgres

--

ALTER TABLE ONLY public.yayinevleri

**ADD CONSTRAINT yayinevleri_adresid_fkey FOREIGN KEY (adresid) REFERENCES
public.adres(adresid) NOT VALID;**

--

-- TOC entry 3296 (class 2606 OID 17029)

-- Name: yazarlar yazarlar_adresid_fkey; Type: FK CONSTRAINT; Schema: public; Owner:
postgres

--

ALTER TABLE ONLY public.yazarlar

**ADD CONSTRAINT yazarlar_adresid_fkey FOREIGN KEY (adresid) REFERENCES
public.adres(adresid) NOT VALID;**

-- Completed on 2021-12-15 11:38:12

--

-- PostgreSQL database dump complete

--

SAKLI YORDAM /FONKSİYON

1.FONKSİYON

-KİTAP LİSTELE FONKSİYONU

CREATE OR REPLACE FUNCTION public.kitaplistesi()

**RETURNS TABLE (kitapid integer,isbn integer,kitapadi character
varying,sayfasayisi integer,yazarid integer,stok integer,kitapsayisi
integer,basim date,dolapyeri character varying,turid integer,yayineviid
integer)**

AS

\$\$

BEGIN

RETURN QUERY

select kitap.kitapid,

kitap.isbn,

kitap.kitapadi,

kitap.sayfasayisi,

kitap.yazarid,

kitap.basim,

kitap.dolapyeri,

kitap.turid,

kitap.yayineviid

from kitap;

END;

\$\$

LANGUAGE "plpgsql";

2.FONKSİYON

-ÜYELER LİSTELE FONKSİYONU

CREATE OR REPLACE FUNCTION public.uyelistesi()

RETURNS TABLE(uyeid integer,uyead character varying,uyesoyad character varying,uyecinsiyet character varying,adresid integer,eposta character varying,telno character varying,okudugukitapsayisi integer)

AS

\$\$

BEGIN

RETURN QUERY

**select uyeler.uyeid,
uyeler.uyead,
uyeler.uyesoyad,
uyeler.uyecinsiyet,
uyeler.adresid,
uyeler.eposta,
uyeler.telno,
uyeler.okudugukitapsayisi**

from uyeler;

END;

\$\$

LANGUAGE "plpgsql";

3.FONKSİYON

-KİTAP ID VE ADINI DÖNDÜREN FONKSİYON

CREATE OR REPLACE FUNCTION kitapKayit()

RETURNS TEXT

AS

\$\$

DECLARE

kitap "kitap"%ROWTYPE;

sonuc TEXT;

BEGIN

sonuc := '';

FOR kitap IN SELECT * FROM kitap LOOP

sonuc:=sonuc || kitap."kitapid" || E'\t' || kitap."kitapadi" || E'\r\n';

END LOOP;

RETURN sonuc;

END;

\$\$

LANGUAGE 'plpgsql';

SELECT kitapKayit();

4.FONKSİYON

-İLÇE SAYISINI DÖNDÜREN FONKSİYON

CREATE OR REPLACE FUNCTION ilcesayisi()

RETURNS integer AS \$total\$

DECLARE

total integer;

BEGIN

SELECT count(*) into total FROM "ilce";

RETURN total;

END;

\$total\$ LANGUAGE plpgsql;

SELECT ilcesayisi();

TETİKLEYİCİ

1.TETİKLEYİCİ

-TOPLAM ÜYE SAYISINI 1 ARTIRAN TRİGGER

CREATE OR REPLACE FUNCTION "toplamuyeizle"()

RETURNS TRIGGER

AS

\$\$

BEGIN

UPDATE toplamuye SET toplamuye=toplamuye+1;

RETURN NEW;

END;

\$\$

LANGUAGE "plpgsql";

CREATE TRIGGER testtrig

AFTER INSERT

ON uyeler

FOR EACH ROW

EXECUTE PROCEDURE "toplamuyeizle"();

2.TETİKLEYİCİ

-KİTAP ADI EKLENDİĞİNDE BÜYÜK HARFLERE ÇEVİREN TRİGGER

CREATE OR REPLACE FUNCTION "kitapekle"()

RETURNS TRIGGER

AS

\$\$

BEGIN

NEW."kitapadi"=UPPER(NEW."kitapadi");

RETURN NEW;

END;

\$\$

LANGUAGE "plpgsql";

CREATE TRIGGER "kitapkayitkontrol"

BEFORE INSERT OR UPDATE ON "kitap"

FOR EACH ROW

EXECUTE PROCEDURE "kitapekle"()

3.TETİKLEYİCİ

-ÇEVİRMEN EKLENDİĞİNDE BÜYÜK HARFLERLE SOYADINI YAZAN VE ÇEVİRMEN DİLİNE VERİ GİRİŞİNİN OLUP OLMADIĞINI KONTROL EDER BOŞ İSE UYARI VERİR.

```
CREATE OR REPLACE FUNCTION public."cevirmenekle"()
```

```
RETURNS TRIGGER
```

```
AS
```

```
$$
```

```
BEGIN
```

```
NEW."cevirmensoyadi"=UPPER(NEW."cevirmensoyadi");
```

```
IF NEW."cevirmendili" IS NULL THEN
```

```
    RAISE EXCEPTION 'Çevirmen dili alanı boş olamaz!';
```

```
END IF;
```

```
RETURN NEW;
```

```
END;
```

```
$$
```

```
LANGUAGE "plpgsql";
```

```
CREATE TRIGGER "cevirmenkontrol" BEFORE INSERT OR UPDATE ON public."cevirmenler"
```

```
FOR EACH ROW
```

```
EXECUTE FUNCTION "cevirmenekle"()
```

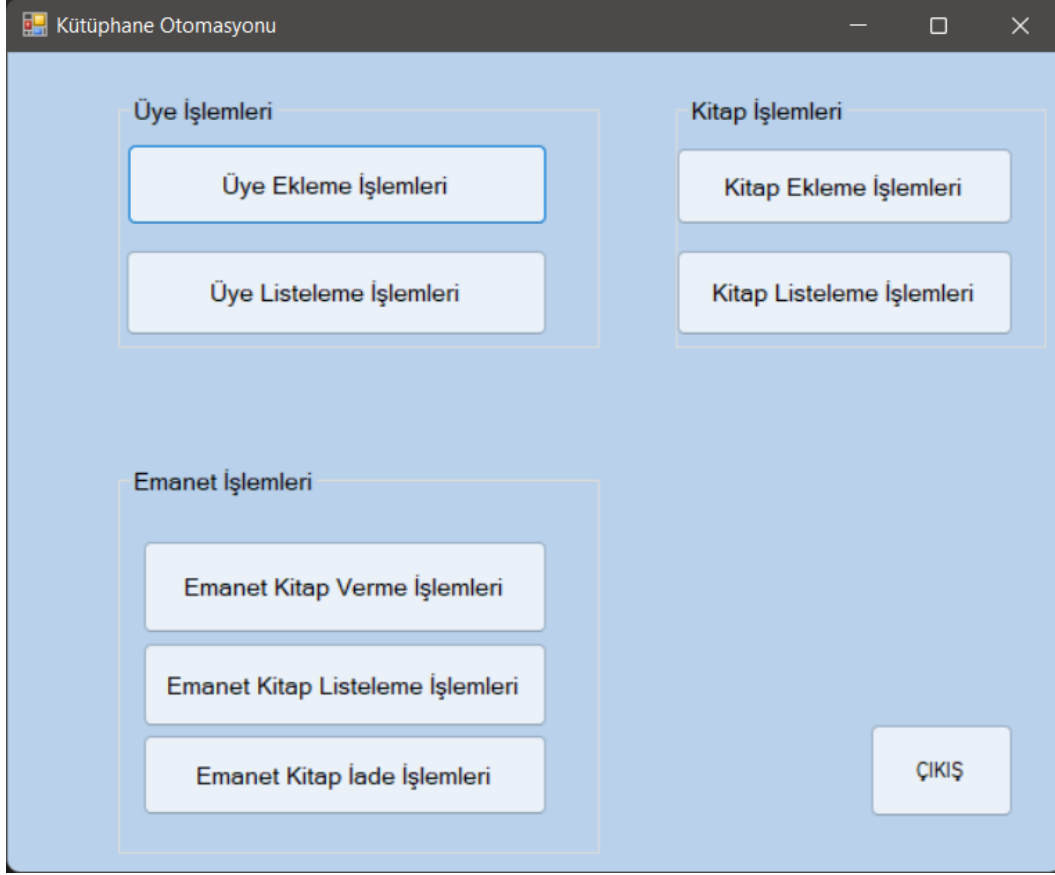
4.TETİKLEYİCİ

-ÜYE SİLME TRİGGER

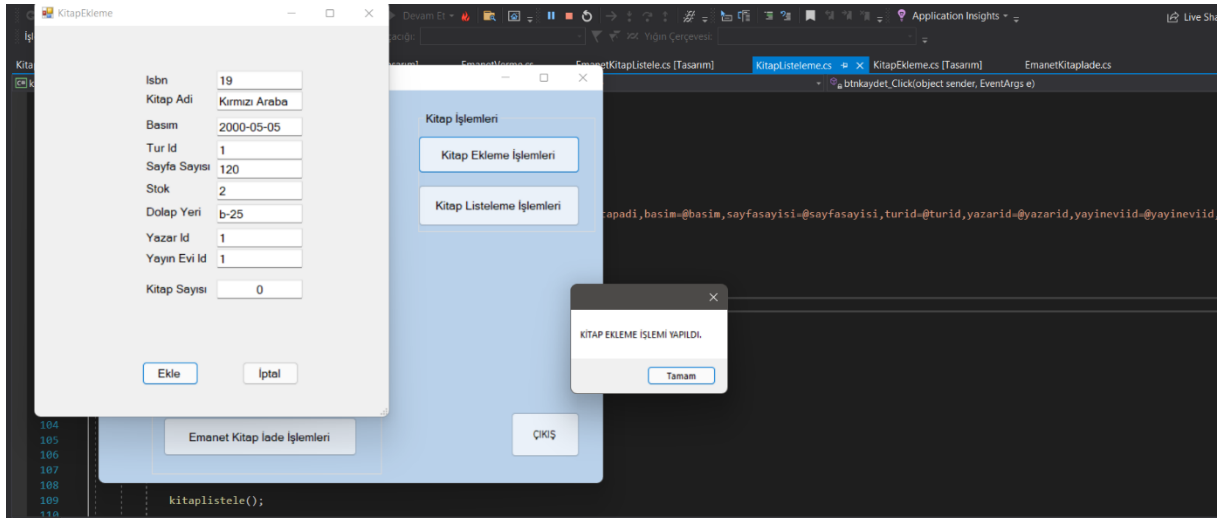
```
CREATE OR REPLACE FUNCTION public.uyesil()  
RETURNS TRIGGER  
AS  
$$  
BEGIN  
DELETE FROM uye WHERE uye_id=OLD.uyeid;  
RETURN OLD;  
END;  
$$  
LANGUAGE "plpgsql";
```


İŞLEMLERE AİT EKRAN GÖRÜNTÜLERİ

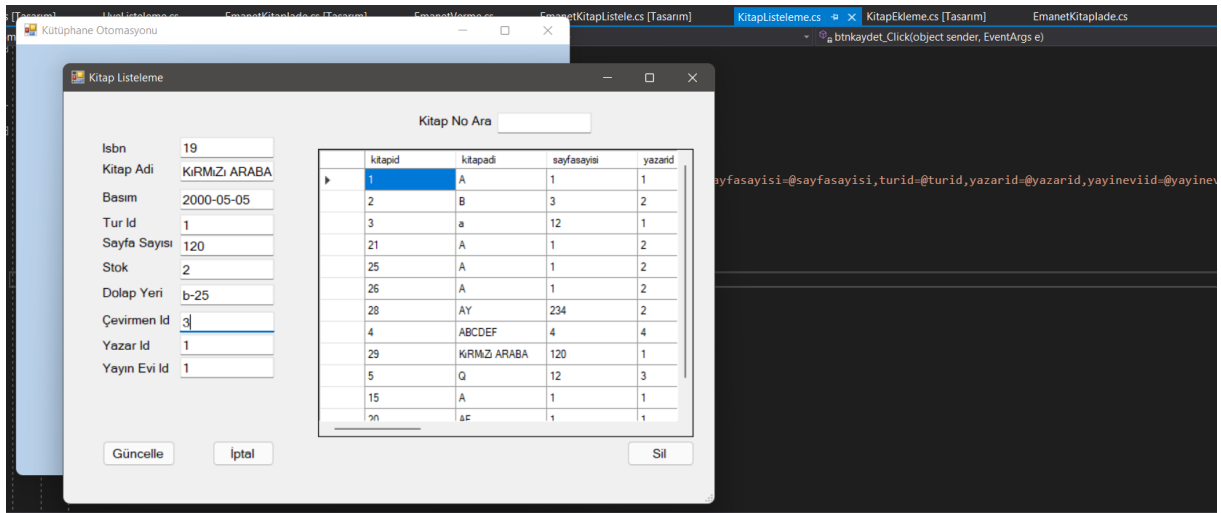
-ANASAYFA



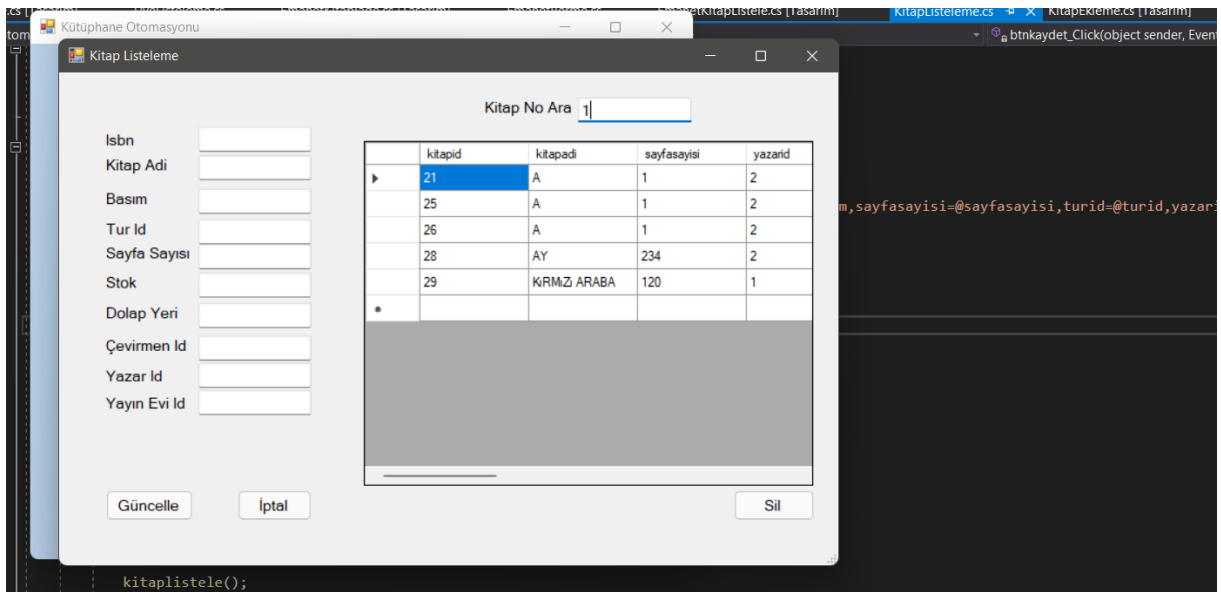
-KİTAP EKLEME



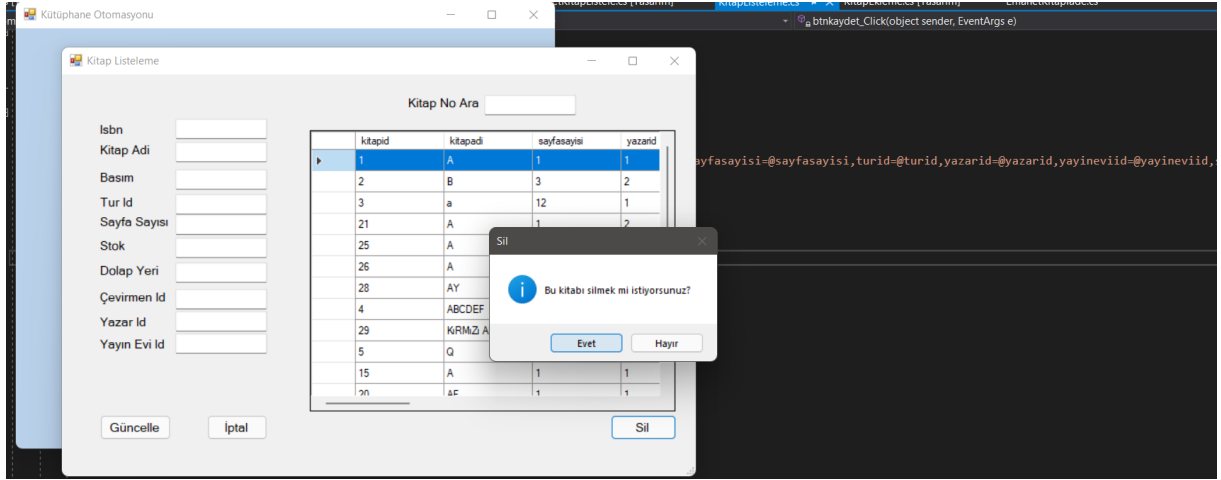
-KİTAP LİSTELEME



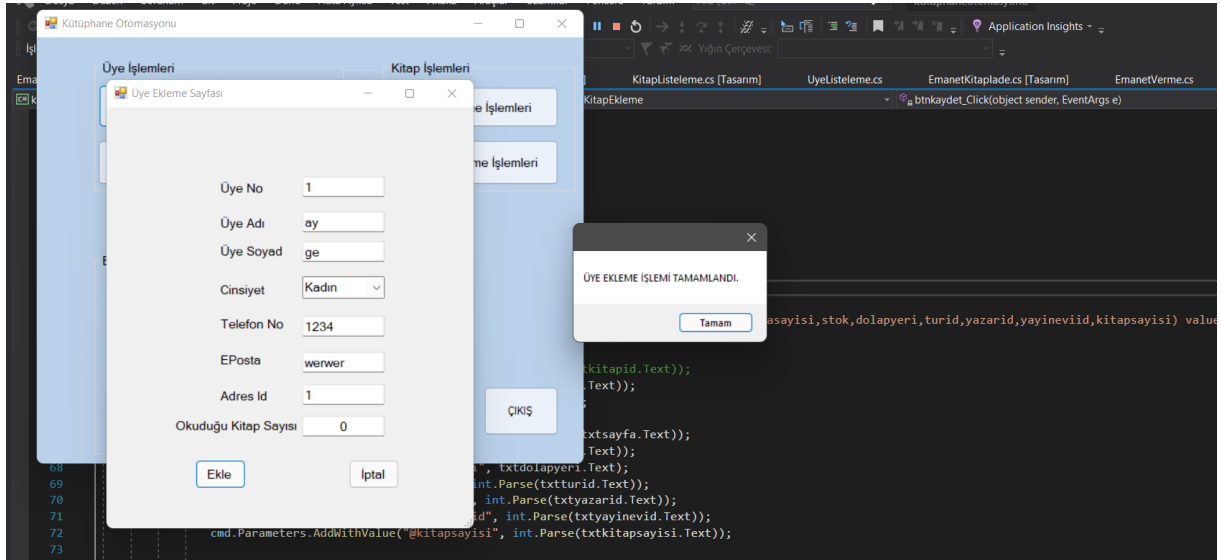
-KİTAP ARAMA



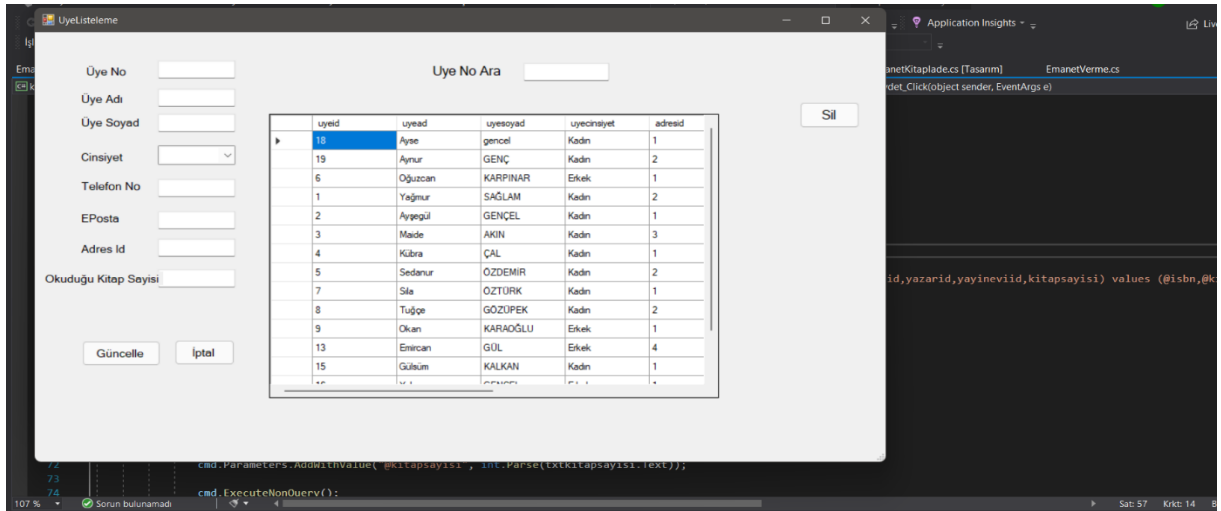
-KİTAP SİLME



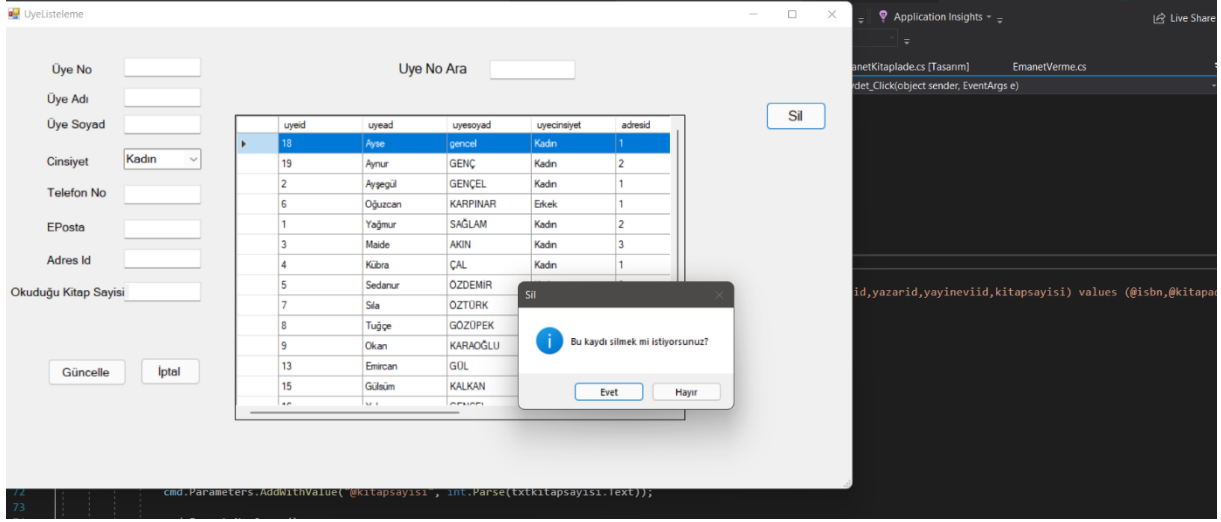
-ÜYE EKLEME



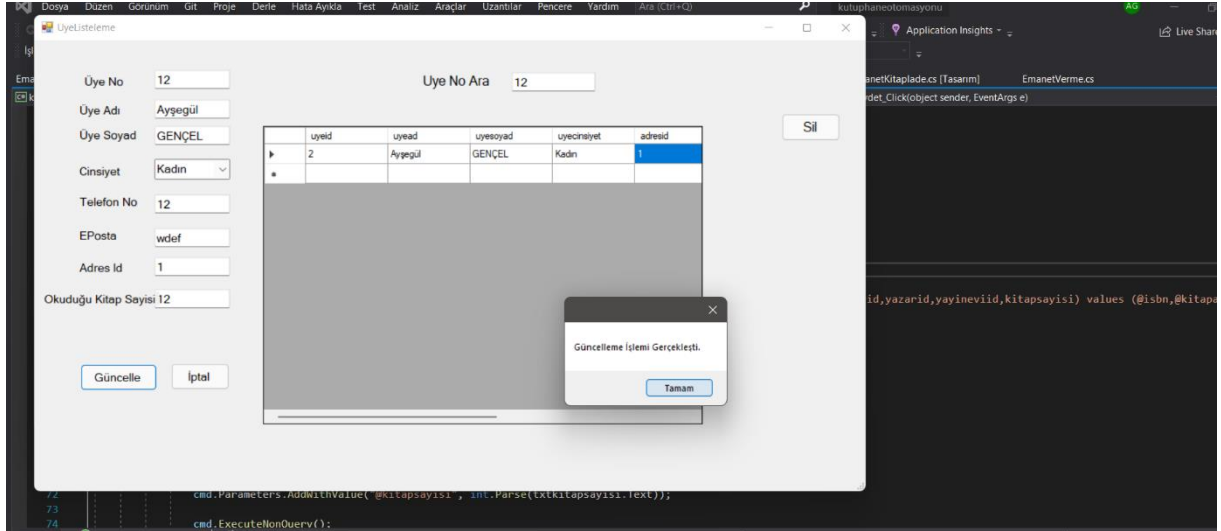
-ÜYE LİSTELEME



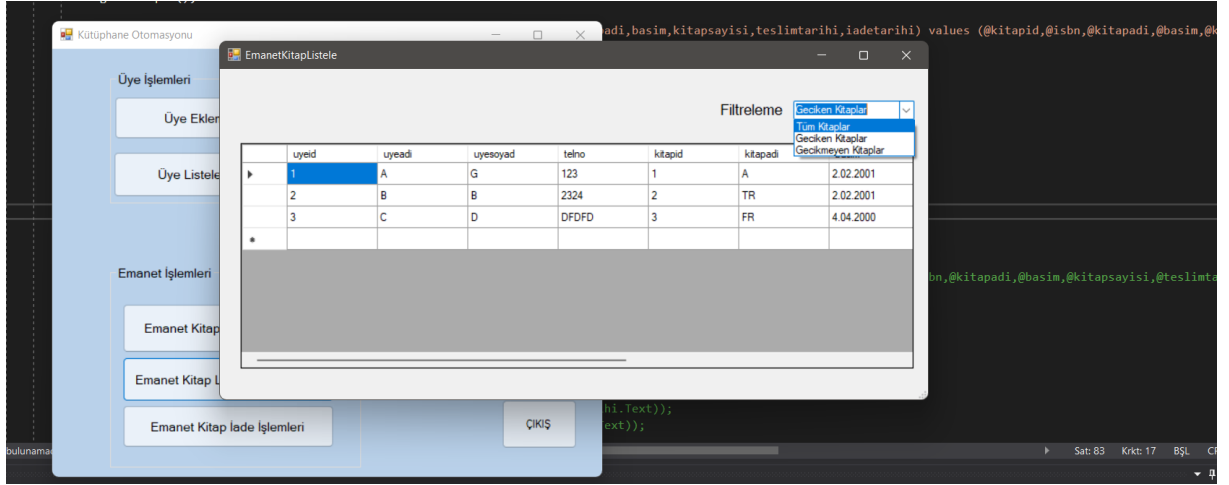
-ÜYE SİLME



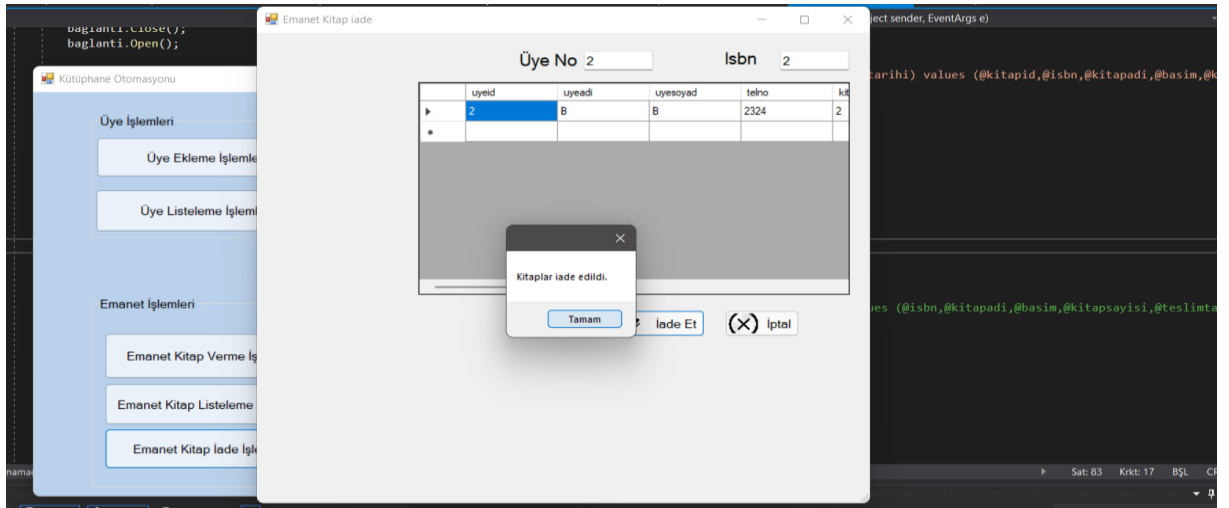
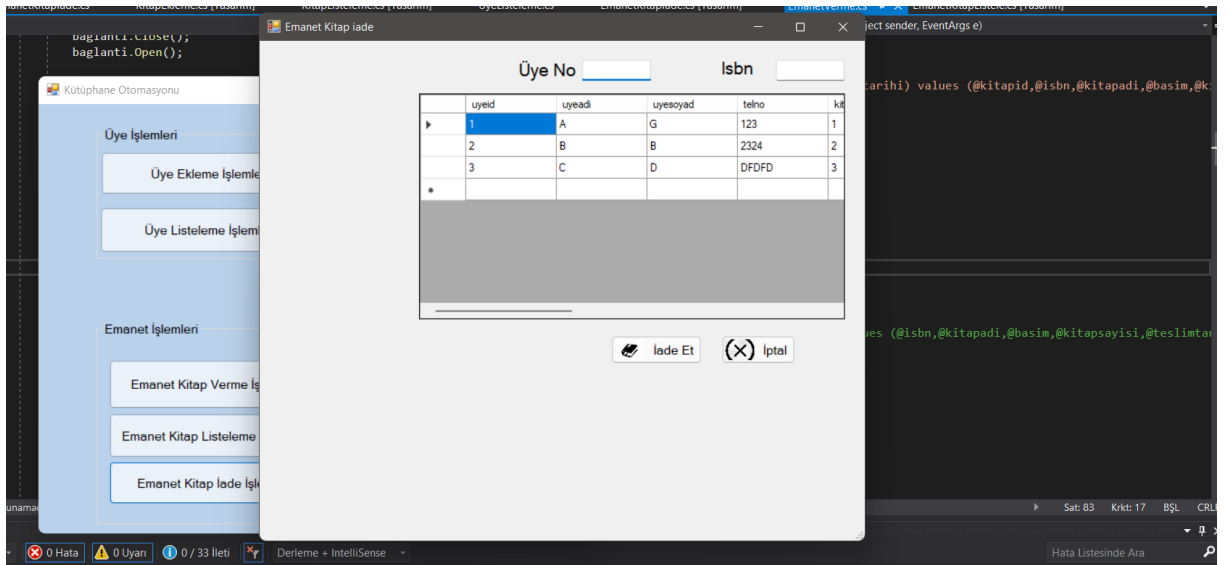
-ÜYE GÜNCELLEME



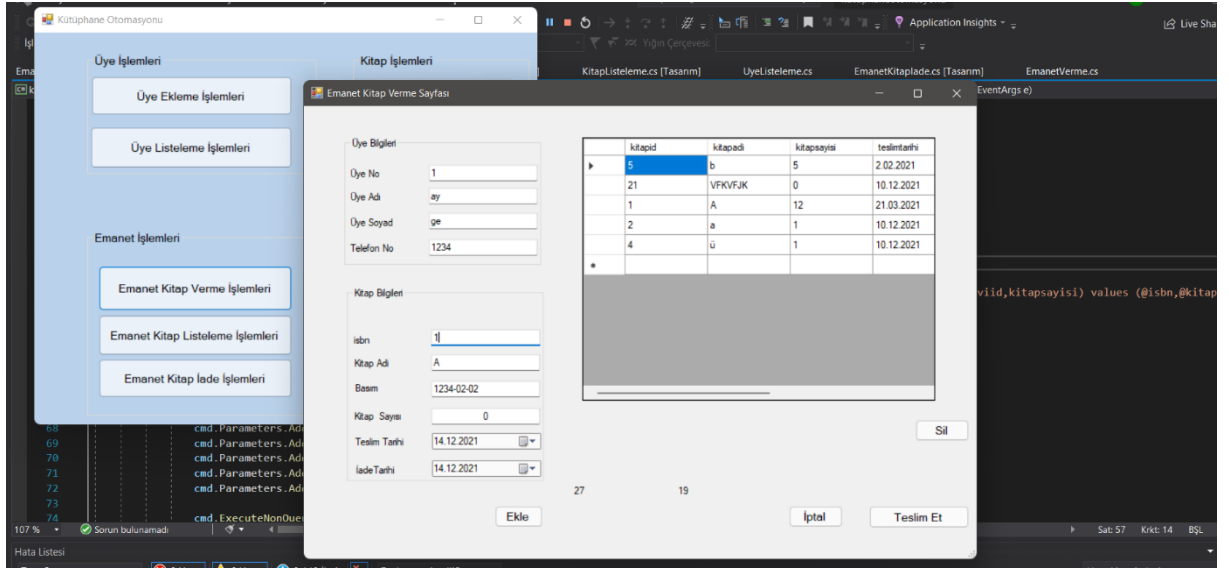
-EMANET KİTAP LİSTESİ



-EMANET KİTAP İADE



-EMANET KİTAP TESLİM ETME



-GİTHUB ADRESİ

. <https://github.com/aysegulgencel/veritaban--proje>

-VİDEO ADRESİ

. <https://youtu.be/PXfv0wBEaHY>