

SAKARYA ÜNİVERSİTESİ
BİLGİSAYAR VE BİLİŞİM BİLİMLERİ FAKÜLTESİ
BİLGİSAYAR MÜHENDİSLİĞİ BÖLÜMÜ
VERİTABANI YÖNETİM SİSTEMLERİ DERSİ
GÜZ DÖNEMİ PROJE ÖDEVİ

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Senaryo:

Kullanıcıların, araçların, çalışanların, ofislerin vb. bilgilerin saklandığı, kullanıcıların kaydolabildiği, araba kiralayabildikleri, listeyebildikleri; adminlerin ise arabaları listeleyebildiği, ekleme, çıkarma, güncelleme işlemlerini yapabildiği bir araba kiralama web uygulaması.

İş kuralları:

Kullanıcıların isim, soyisim, mail, şifre, adres, telefon no, rol, kayıt tarihi bilgileri mevcuttur.

Arabaların kiralama bedeli, tip, koltuk sayısı, vites, fotoğraf, yakıt türü, model, marka, ofis bilgileri mevcuttur.

Ofislerin isim, şehir bilgileri mevcuttur.

Markaların isim, model bilgileri mevcuttur.

Kiralanen araçların gün, alış tarih, teslim tarih, müşteri, araba, ofis, ödeme bilgileri mevcuttur.

Ödemelerin bedel, kiralama, ödeme günü bilgileri mevcuttur.

Kullanıcılar admin ve müşteri olmak üzere ikiye ayrılır.

Bir kullanıcının yalnızca bir rolü vardır. Bir rolü birden fazla kullanıcı olabilir.

Bir müşteri birden fazla araba kiralayabilir. Bir araba birden fazla kiralanabilir.

Bir müşteri birden fazla ödeme yapabilir. Bir ödeme yalnızca bir müşteriye aittir.

Bir telefon numarası yalnızca bir müşteriye ait olabilir. Bir müşterinin birden fazla telefon numarası olabilir.

Bir adres sadece bir müşteriye ait olabilir. Bir müşterinin birden fazla adresi olabilir.

Bir arabanın yalnızca bir markası vardır. Bir markanın birden fazla arabası olabilir.

Bir araba yalnızca bir ofiste bulunabilir. Bir ofiste birden fazla araba bulunabilir.

Bir model yalnızca bir markanın olabilir. Bir markanın birden fazla modeli bulunabilir.

Bir şehirde birden fazla ofis olabilir. Bir ofis sadece bir şehirde bulur.

Bir çalışan yalnızca bir ofise kayıtlı olabilir. Bir ofiste birden fazla çalışan olabilir.

Bir araba birden fazla kiralanabilir. Bir kiralamada yalnızca bir araba bulunur.

İLİŞKİSEL ŞEMA

users(user_id: Integer, first_name: Varchar(10), last_name: Varchar(10), mail: Varchar(50), password: Varchar(30), role_id: Integer, created_at: TIMESTAMP , updated_at: TIMESTAMP, deleted_at: TIMESTAMP)

address(address_id: Integer, address: Varchar(100), user_id: Integer)

phone_numbers(number_id: Integer, number: Varchar(20), user_id: Integer)

user_payment_info(user_payment_id: Integer, card_number: Varchar(12), user_id: Integer)

cars(car_id: Integer, price: Varchar(20), fuel : Varchar(30), type: Varchar(10), gear: Varchar(10), seat: Varchar(20), image_url: Varchar , brand_id: Integer, model_id: Integer, dealer_id: Integer, created_at: TIMESTAMP , updated_at: TIMESTAMP, deleted_at: TIMESTAMP)

on_rent(rent_id: Integer, day: Integer, reception_date: TIMESTAMP , delivery_date: TIMESTAMP, user_id: Integer, car_id: Integer, dealer_id: Integer, rent_payment: Integer)

cities(city_id: Integer, name: Varchar(20))

roles(role_id: Integer, role: Varchar(10))

dealers(dealer_id: Integer, dealer_name: Varchar(50), city_id: Integer)

models(model_id: Integer, model_name: Varchar(40), brand_id: Integer)

brands(brand_id: Integer, brand_name: Varchar(40))

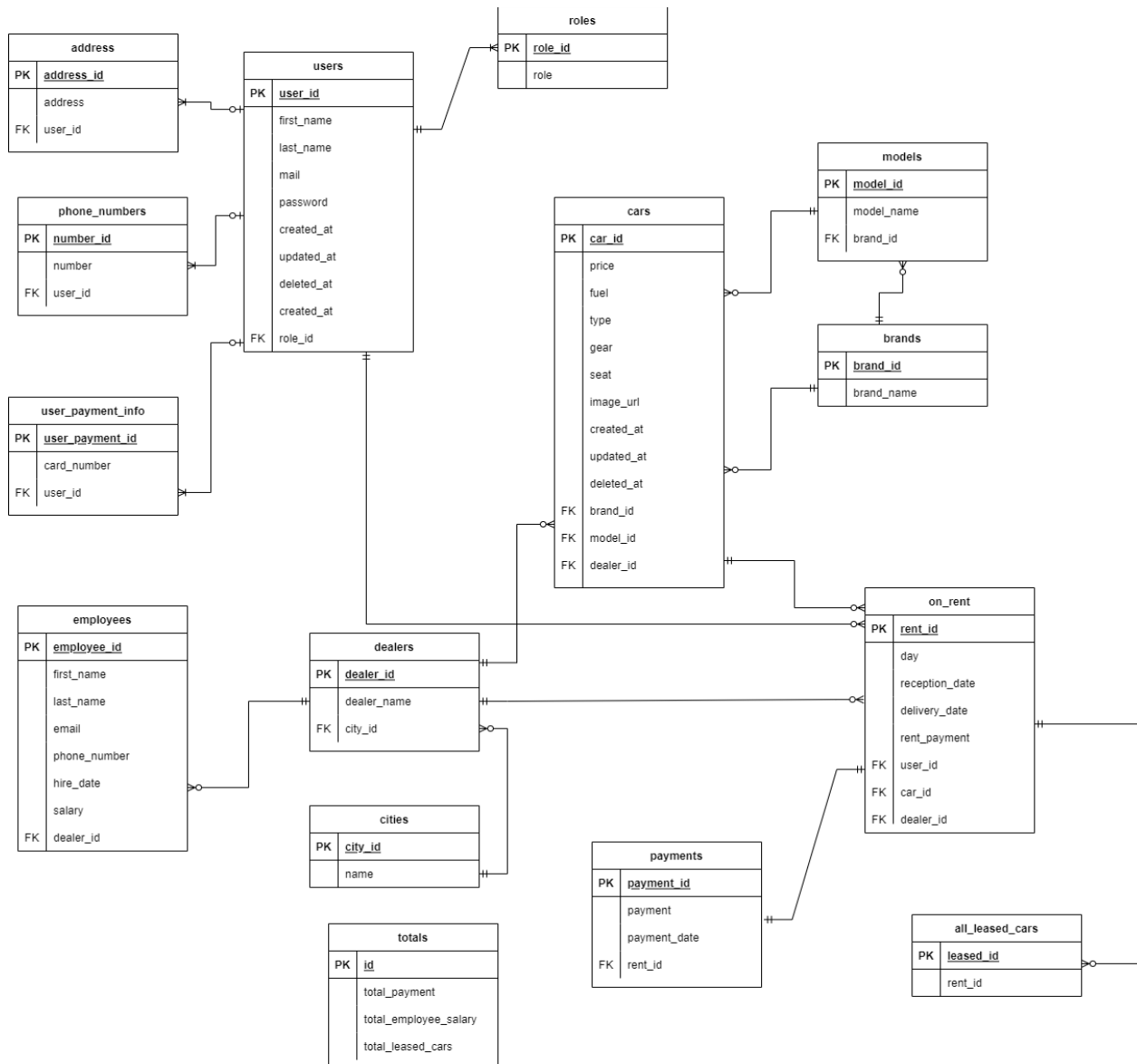
employees(employee_id: Integer, first_name: Varchar(20), last_name: Varchar(25), mail: Varchar(25), phone_number: Varchar(11), hire_at: TIMESTAMP , salary: Integer, dealer_id: Integer)

payments(payment_id: Integer, payment: Integer, rent_id: Integer, payment_date: TIMESTAMP)

totals(id: Integer, total_payment: Integer, total_employee_salary: Integer,
total_leased_cars: Integer)

all_leased_cars (leased_id: Integer, rent_id: Integer)

VARLIK BAĞINTI MODELİ



SQL İFADELERİ

--

-- PostgreSQL database dump

--

-- Dumped from database version 14.1

-- Dumped by pg_dump version 14.1

-- Started on 2021-12-12 23:32:26

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 26850)

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

--

CREATE FUNCTION public.addleasedcarstotal() RETURNS trigger

LANGUAGE plpgsql

AS \$\$

begin

update totals set total_leased_cars = total_leased_cars + 1;

```
return new;

end;

$$;
```

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

```
--

-- TOC entry 248 (class 1255 OID 26859)
-- Name: all_leased_insert_trigger(); Type: FUNCTION; Schema: public; Owner: postgres
--
```

```
CREATE FUNCTION public.all_leased_insert_trigger() RETURNS trigger
    LANGUAGE plpgsql
    AS $$
declare
    payment integer;
BEGIN
    payment:=(select rent_payment from on_rent WHERE rent_id = new.rent_id);
    INSERT INTO payments(rent_id, payment,payment_date)
    VALUES(new.rent_id ,payment,now());
    RETURN NEW;
END;

$$;
```

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

```
--

-- TOC entry 247 (class 1255 OID 26858)
-- Name: allleasedcars(); Type: FUNCTION; Schema: public; Owner: postgres
```

--

CREATE FUNCTION public.allleasedcars() RETURNS timestamp without time zone

LANGUAGE plpgsql

AS \$\$

declare

delivery_date TIMESTAMP;

begin

INSERT INTO all_leased_cars (rent_id)

SELECT on_rent.rent_id

FROM on_rent

WHERE on_rent.delivery_date < now();

return delivery_date;

end;

\$\$;

ALTER FUNCTION public.allleasedcars() OWNER TO postgres;

--

-- TOC entry 255 (class 1255 OID 26861)

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

--

CREATE FUNCTION public.getbrandsinfo() RETURNS TABLE(brand_id integer, brand_name character varying)

LANGUAGE plpgsql

AS \$\$

begin

RETURN QUERY

```
SELECT * FROM brands;
```

```
end;
```

```
$$;
```

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

```
--
```

```
-- TOC entry 242 (class 1255 OID 26856)
```

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

```
--
```

```
CREATE FUNCTION public.getcarsinfo() RETURNS TABLE(car_id integer, price character varying, fuel  
character varying, type character varying, gear character varying, seat character varying, brand_id  
integer, model_id integer, dealer_id integer, image_url character varying, brand_name character  
varying, model_name character varying)
```

```
    LANGUAGE plpgsql
```

```
    AS $$
```

```
begin
```

```
RETURN QUERY
```

```
SELECT cars.car_id, cars.price, cars.fuel, cars.type, cars.gear, cars.seat, cars.brand_id, cars.model_id,  
cars.dealer_id, cars.image_url, brands.brand_name, models.model_name
```

```
FROM cars LEFT JOIN on_rent ON cars.car_id = on_rent.car_id
```

```
INNER JOIN brands ON cars.brand_id = brands.brand_id
```

```
INNER JOIN models ON cars.model_id = models.model_id
```

```
WHERE on_rent.car_id IS NULL;
```

```
end;
```

```
$$;
```

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


--

-- TOC entry 246 (class 1255 OID 26857)

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

--

```
CREATE FUNCTION public.getleasedcarsinfo() RETURNS TABLE(car_id integer, day integer,
rent_payment integer, reception_date timestamp without time zone, delivery_date timestamp
without time zone, fuel character varying, type character varying, gear character varying, seat
character varying, image_url character varying, price character varying, brand_name character
varying, model_name character varying)
```

```
    LANGUAGE plpgsql
```

```
    AS $$
```

```
begin
```

```
RETURN QUERY
```

```
SELECT on_rent.car_id, on_rent.day, on_rent.rent_payment, on_rent.reception_date,
on_rent.delivery_date, cars.fuel, cars.type, cars.gear, cars.seat, cars.image_url, cars.price,
brands.brand_name, models.model_name
```

```
FROM on_rent
```

```
LEFT JOIN cars ON cars.car_id = on_rent.car_id
```

```
LEFT JOIN brands ON cars.brand_id = brands.brand_id
```

```
LEFT JOIN models ON cars.model_id = models.model_id;
```

```
end;
```

```
$$;
```

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

--

-- TOC entry 240 (class 1255 OID 26852)

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

--

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

```
LANGUAGE plpgsql

AS $$

declare

last_payment integer;

begin

last_payment:=(select payment from payments order by payment_id desc limit 1);

update totals set total_payment = total_payment + last_payment;

return new;

end;

$$;
```

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

```
--

-- TOC entry 241 (class 1255 OID 26854)

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

--
```

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

```
LANGUAGE plpgsql

AS $$

declare

total_salary integer;

begin

total_salary:=(select sum(salary) from employees);

update totals set total_employee_salary = total_salary;

return new;

end;

$$;
```

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

```
SET default_tablespace = '';
```

```
SET default_table_access_method = heap;
```

```
--
```

```
-- TOC entry 228 (class 1259 OID 26784)
```

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

```
--
```

```
CREATE TABLE public.address (  
    address_id integer NOT NULL,  
    address character varying(100),  
    user_id integer  
);
```

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

```
--
```

```
-- TOC entry 227 (class 1259 OID 26783)
```

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

```
--
```

```
CREATE SEQUENCE public.address_address_id_seq  
    AS integer  
    START WITH 1  
    INCREMENT BY 1  
    NO MINVALUE
```

NO MAXVALUE

CACHE 1;

ALTER TABLE public.address_address_id_seq OWNER TO postgres;

--

-- TOC entry 3482 (class 0 OID 0)

-- Dependencies: 227

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

--

ALTER SEQUENCE public.address_address_id_seq OWNED BY public.address.address_id;

--

-- TOC entry 238 (class 1259 OID 26839)

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

--

CREATE TABLE public.all_leased_cars (

leased_id integer NOT NULL,

rent_id integer

);

ALTER TABLE public.all_leased_cars OWNER TO postgres;

--

-- TOC entry 237 (class 1259 OID 26838)

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

--

CREATE SEQUENCE public.all_leased_cars_leased_id_seq

AS integer

START WITH 1

INCREMENT BY 1

NO MINVALUE

NO MAXVALUE

CACHE 1;

ALTER TABLE public.all_leased_cars_leased_id_seq OWNER TO postgres;

--

-- TOC entry 3483 (class 0 OID 0)

-- Dependencies: 237

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

--

ALTER SEQUENCE public.all_leased_cars_leased_id_seq OWNED BY public.all_leased_cars.leased_id;

--

-- TOC entry 218 (class 1259 OID 26707)

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

--

CREATE TABLE public.brands (

brand_id integer NOT NULL,

brand_name character varying(40)

```
);
```

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

```
--
```

```
-- TOC entry 217 (class 1259 OID 26706)
```

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

```
--
```

```
CREATE SEQUENCE public.brands_brand_id_seq
```

```
AS integer
```

```
START WITH 1
```

```
INCREMENT BY 1
```

```
NO MINVALUE
```

```
NO MAXVALUE
```

```
CACHE 1;
```

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

```
--
```

```
-- TOC entry 3484 (class 0 OID 0)
```

```
-- Dependencies: 217
```

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

```
--
```

```
ALTER SEQUENCE public.brands_brand_id_seq OWNED BY public.brands.brand_id;
```

```
--
```

```
-- TOC entry 222 (class 1259 OID 26726)
-- Name: cars; Type: TABLE; Schema: public; Owner: postgres
--
```

```
CREATE TABLE public.cars (
    car_id integer NOT NULL,
    price character varying(20) NOT NULL,
    fuel character varying(30),
    type character varying(10),
    gear character varying(10),
    seat character varying(20),
    image_url character varying,
    brand_id integer,
    model_id integer,
    dealer_id integer,
    created_at timestamp without time zone,
    updated_at timestamp without time zone,
    deleted_at timestamp without time zone
);
```

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

```
--
-- TOC entry 221 (class 1259 OID 26725)
-- Name: cars_car_id_seq; Type: SEQUENCE; Schema: public; Owner: postgres
--
```

```
CREATE SEQUENCE public.cars_car_id_seq
    AS integer
    START WITH 1
```

INCREMENT BY 1

NO MINVALUE

NO MAXVALUE

CACHE 1;

ALTER TABLE public.cars_car_id_seq OWNER TO postgres;

--

-- TOC entry 3485 (class 0 OID 0)

-- Dependencies: 221

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

--

ALTER SEQUENCE public.cars_car_id_seq OWNED BY public.cars.car_id;

--

-- TOC entry 214 (class 1259 OID 26688)

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

--

```
CREATE TABLE public.cities (  
    city_id integer NOT NULL,  
    name character varying(20)  
);
```

ALTER TABLE public.cities OWNER TO postgres;

--


```
-- TOC entry 213 (class 1259 OID 26687)
-- Name: cities_city_id_seq; Type: SEQUENCE; Schema: public; Owner: postgres
--
```

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

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

```
--
-- TOC entry 3486 (class 0 OID 0)
-- Dependencies: 213
-- Name: cities_city_id_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: postgres
--
```

```
ALTER SEQUENCE public.cities_city_id_seq OWNED BY public.cities.city_id;
```

```
--
-- TOC entry 216 (class 1259 OID 26695)
-- Name: dealers; Type: TABLE; Schema: public; Owner: postgres
--
```

```
CREATE TABLE public.dealers (
    dealer_id integer NOT NULL,
```

```
dealer_name character varying(50),  
city_id integer  
);
```

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

```
--  
-- TOC entry 215 (class 1259 OID 26694)  
-- Name: dealers_dealer_id_seq; Type: SEQUENCE; Schema: public; Owner: postgres  
--
```

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

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

```
--  
-- TOC entry 3487 (class 0 OID 0)  
-- Dependencies: 215  
-- Name: dealers_dealer_id_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: postgres  
--
```

```
ALTER SEQUENCE public.dealers_dealer_id_seq OWNED BY public.dealers.dealer_id;
```

--

-- TOC entry 232 (class 1259 OID 26808)

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

--

```
CREATE TABLE public.employees (  
    employee_id integer NOT NULL,  
    first_name character varying(20),  
    last_name character varying(25),  
    email character varying(25),  
    phone_number character varying(11),  
    hire_date timestamp without time zone,  
    salary numeric(8,2),  
    dealer_id integer  
);
```

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

--

-- TOC entry 231 (class 1259 OID 26807)

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

--

```
CREATE SEQUENCE public.employees_employee_id_seq  
    AS integer  
    START WITH 1  
    INCREMENT BY 1  
    NO MINVALUE  
    NO MAXVALUE
```

CACHE 1;

ALTER TABLE public.employees_employee_id_seq OWNER TO postgres;

--

-- TOC entry 3488 (class 0 OID 0)

-- Dependencies: 231

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

--

ALTER SEQUENCE public.employees_employee_id_seq OWNED BY public.employees.employee_id;

--

-- TOC entry 220 (class 1259 OID 26714)

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

--

```
CREATE TABLE public.models (  
    model_id integer NOT NULL,  
    model_name character varying(40),  
    brand_id integer  
);
```

ALTER TABLE public.models OWNER TO postgres;

--

-- TOC entry 219 (class 1259 OID 26713)

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

```
--
```

```
CREATE SEQUENCE public.models_model_id_seq
```

```
AS integer
```

```
START WITH 1
```

```
INCREMENT BY 1
```

```
NO MINVALUE
```

```
NO MAXVALUE
```

```
CACHE 1;
```

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

```
--
```

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

```
-- Dependencies: 219
```

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

```
--
```

```
ALTER SEQUENCE public.models_model_id_seq OWNED BY public.models.model_id;
```

```
--
```

```
-- TOC entry 224 (class 1259 OID 26750)
```

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

```
--
```

```
CREATE TABLE public.on_rent (
```

```
rent_id integer NOT NULL,
```

```
day integer,
```

```
reception_date timestamp without time zone NOT NULL,  
delivery_date timestamp without time zone NOT NULL,  
user_id integer,  
car_id integer,  
dealer_id integer,  
rent_payment integer  
);
```

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

```
--
```

```
-- TOC entry 223 (class 1259 OID 26749)
```

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

```
--
```

```
CREATE SEQUENCE public.on_rent_rent_id_seq
```

```
AS integer
```

```
START WITH 1
```

```
INCREMENT BY 1
```

```
NO MINVALUE
```

```
NO MAXVALUE
```

```
CACHE 1;
```

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

```
--
```

```
-- TOC entry 3490 (class 0 OID 0)
```

```
-- Dependencies: 223
```

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

--

ALTER SEQUENCE public.on_rent_rent_id_seq OWNED BY public.on_rent.rent_id;

--

-- TOC entry 234 (class 1259 OID 26820)

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

--

```
CREATE TABLE public.payments (  
    payment_id integer NOT NULL,  
    payment integer,  
    rent_id integer,  
    payment_date timestamp without time zone NOT NULL  
);
```

ALTER TABLE public.payments OWNER TO postgres;

--

-- TOC entry 233 (class 1259 OID 26819)

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

--

```
CREATE SEQUENCE public.payments_payment_id_seq  
    AS integer  
    START WITH 1  
    INCREMENT BY 1  
    NO MINVALUE  
    NO MAXVALUE
```

CACHE 1;

ALTER TABLE public.payments_payment_id_seq OWNER TO postgres;

--

-- TOC entry 3491 (class 0 OID 0)

-- Dependencies: 233

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

--

ALTER SEQUENCE public.payments_payment_id_seq OWNED BY public.payments.payment_id;

--

-- TOC entry 226 (class 1259 OID 26772)

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

--

CREATE TABLE public.phone_numbers (

 number_id integer NOT NULL,

 number character varying(11),

 user_id integer

);

ALTER TABLE public.phone_numbers OWNER TO postgres;

--

-- TOC entry 225 (class 1259 OID 26771)

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

--

CREATE SEQUENCE public.phone_numbers_number_id_seq

AS integer

START WITH 1

INCREMENT BY 1

NO MINVALUE

NO MAXVALUE

CACHE 1;

ALTER TABLE public.phone_numbers_number_id_seq OWNER TO postgres;

--

-- TOC entry 3492 (class 0 OID 0)

-- Dependencies: 225

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

--

ALTER SEQUENCE public.phone_numbers_number_id_seq OWNED BY
public.phone_numbers.number_id;

--

-- TOC entry 210 (class 1259 OID 26667)

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

--

CREATE TABLE public.roles (

role_id integer NOT NULL,

role character varying(10)

```
);
```

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

```
--
```

```
-- TOC entry 209 (class 1259 OID 26666)
```

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

```
--
```

```
CREATE SEQUENCE public.roles_role_id_seq
```

```
AS integer
```

```
START WITH 1
```

```
INCREMENT BY 1
```

```
NO MINVALUE
```

```
NO MAXVALUE
```

```
CACHE 1;
```

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

```
--
```

```
-- TOC entry 3493 (class 0 OID 0)
```

```
-- Dependencies: 209
```

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

```
--
```

```
ALTER SEQUENCE public.roles_role_id_seq OWNED BY public.roles.role_id;
```

```
--
```

```
-- TOC entry 236 (class 1259 OID 26832)
-- Name: totals; Type: TABLE; Schema: public; Owner: postgres
--
```

```
CREATE TABLE public.totals (
    id integer NOT NULL,
    total_payment integer,
    total_employee_salary integer,
    total_leased_cars integer
);
```

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

```
--
-- TOC entry 235 (class 1259 OID 26831)
-- Name: totals_id_seq; Type: SEQUENCE; Schema: public; Owner: postgres
--
```

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

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

```
--
```

```
-- TOC entry 3494 (class 0 OID 0)
-- Dependencies: 235
-- Name: totals_id_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: postgres
--
```

```
ALTER SEQUENCE public.totals_id_seq OWNED BY public.totals.id;
```

```
--
-- TOC entry 230 (class 1259 OID 26796)
-- Name: user_payment_info; Type: TABLE; Schema: public; Owner: postgres
--
```

```
CREATE TABLE public.user_payment_info (
    user_payment_id integer NOT NULL,
    card_number character varying(12),
    user_id integer
);
```

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

```
--
-- TOC entry 229 (class 1259 OID 26795)
-- Name: user_payment_info_user_payment_id_seq; Type: SEQUENCE; Schema: public; Owner: postgres
--
```

```
CREATE SEQUENCE public.user_payment_info_user_payment_id_seq
    AS integer
    START WITH 1
```

INCREMENT BY 1

NO MINVALUE

NO MAXVALUE

CACHE 1;

ALTER TABLE public.user_payment_info_user_payment_id_seq OWNER TO postgres;

--

-- TOC entry 3495 (class 0 OID 0)

-- Dependencies: 229

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

--

ALTER SEQUENCE public.user_payment_info_user_payment_id_seq OWNED BY
public.user_payment_info.user_payment_id;

--

-- TOC entry 212 (class 1259 OID 26674)

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

--

CREATE TABLE public.users (
 user_id integer NOT NULL,
 first_name character varying(10),
 last_name character varying(10),
 mail character varying(50),
 password character varying(30) NOT NULL,
 role_id integer,
 created_at timestamp without time zone,

```
    updated_at timestamp without time zone,  
    deleted_at timestamp without time zone  
);
```

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

```
--  
-- TOC entry 211 (class 1259 OID 26673)  
-- Name: users_user_id_seq; Type: SEQUENCE; Schema: public; Owner: postgres  
--
```

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

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

```
--  
-- TOC entry 3496 (class 0 OID 0)  
-- Dependencies: 211  
-- Name: users_user_id_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: postgres  
--
```

```
ALTER SEQUENCE public.users_user_id_seq OWNED BY public.users.user_id;
```

--

-- TOC entry 3251 (class 2604 OID 26787)

-- Name: address address_id; Type: DEFAULT; Schema: public; Owner: postgres

--

```
ALTER TABLE ONLY public.address ALTER COLUMN address_id SET DEFAULT
nextval('public.address_address_id_seq'::regclass);
```

--

-- TOC entry 3256 (class 2604 OID 26842)

-- Name: all_leased_cars leased_id; Type: DEFAULT; Schema: public; Owner: postgres

--

```
ALTER TABLE ONLY public.all_leased_cars ALTER COLUMN leased_id SET DEFAULT
nextval('public.all_leased_cars_leased_id_seq'::regclass);
```

--

-- TOC entry 3246 (class 2604 OID 26710)

-- Name: brands brand_id; Type: DEFAULT; Schema: public; Owner: postgres

--

```
ALTER TABLE ONLY public.brands ALTER COLUMN brand_id SET DEFAULT
nextval('public.brands_brand_id_seq'::regclass);
```

--

-- TOC entry 3248 (class 2604 OID 26729)

-- Name: cars car_id; Type: DEFAULT; Schema: public; Owner: postgres

--

```
ALTER TABLE ONLY public.cars ALTER COLUMN car_id SET DEFAULT  
nextval('public.cars_car_id_seq'::regclass);
```

```
--
```

```
-- TOC entry 3244 (class 2604 OID 26691)
```

```
-- Name: cities city_id; Type: DEFAULT; Schema: public; Owner: postgres
```

```
--
```

```
ALTER TABLE ONLY public.cities ALTER COLUMN city_id SET DEFAULT  
nextval('public.cities_city_id_seq'::regclass);
```

```
--
```

```
-- TOC entry 3245 (class 2604 OID 26698)
```

```
-- Name: dealers dealer_id; Type: DEFAULT; Schema: public; Owner: postgres
```

```
--
```

```
ALTER TABLE ONLY public.dealers ALTER COLUMN dealer_id SET DEFAULT  
nextval('public.dealers_dealer_id_seq'::regclass);
```

```
--
```

```
-- TOC entry 3253 (class 2604 OID 26811)
```

```
-- Name: employees employee_id; Type: DEFAULT; Schema: public; Owner: postgres
```

```
--
```

```
ALTER TABLE ONLY public.employees ALTER COLUMN employee_id SET DEFAULT  
nextval('public.employees_employee_id_seq'::regclass);
```


--

-- TOC entry 3247 (class 2604 OID 26717)

-- Name: models model_id; Type: DEFAULT; Schema: public; Owner: postgres

--

```
ALTER TABLE ONLY public.models ALTER COLUMN model_id SET DEFAULT
nextval('public.models_model_id_seq'::regclass);
```

--

-- TOC entry 3249 (class 2604 OID 26753)

-- Name: on_rent rent_id; Type: DEFAULT; Schema: public; Owner: postgres

--

```
ALTER TABLE ONLY public.on_rent ALTER COLUMN rent_id SET DEFAULT
nextval('public.on_rent_rent_id_seq'::regclass);
```

--

-- TOC entry 3254 (class 2604 OID 26823)

-- Name: payments payment_id; Type: DEFAULT; Schema: public; Owner: postgres

--

```
ALTER TABLE ONLY public.payments ALTER COLUMN payment_id SET DEFAULT
nextval('public.payments_payment_id_seq'::regclass);
```

--

-- TOC entry 3250 (class 2604 OID 26775)

-- Name: phone_numbers number_id; Type: DEFAULT; Schema: public; Owner: postgres

--

```
ALTER TABLE ONLY public.phone_numbers ALTER COLUMN number_id SET DEFAULT  
nextval('public.phone_numbers_number_id_seq'::regclass);
```

```
--
```

```
-- TOC entry 3242 (class 2604 OID 26670)
```

```
-- Name: roles role_id; Type: DEFAULT; Schema: public; Owner: postgres
```

```
--
```

```
ALTER TABLE ONLY public.roles ALTER COLUMN role_id SET DEFAULT  
nextval('public.roles_role_id_seq'::regclass);
```

```
--
```

```
-- TOC entry 3255 (class 2604 OID 26835)
```

```
-- Name: totals id; Type: DEFAULT; Schema: public; Owner: postgres
```

```
--
```

```
ALTER TABLE ONLY public.totals ALTER COLUMN id SET DEFAULT  
nextval('public.totals_id_seq'::regclass);
```

```
--
```

```
-- TOC entry 3252 (class 2604 OID 26799)
```

```
-- Name: user_payment_info user_payment_id; Type: DEFAULT; Schema: public; Owner: postgres
```

```
--
```

```
ALTER TABLE ONLY public.user_payment_info ALTER COLUMN user_payment_id SET DEFAULT  
nextval('public.user_payment_info_user_payment_id_seq'::regclass);
```

```
--
```

```
-- TOC entry 3243 (class 2604 OID 26677)

-- Name: users user_id; Type: DEFAULT; Schema: public; Owner: postgres
--

ALTER TABLE ONLY public.users ALTER COLUMN user_id SET DEFAULT
nextval('public.users_user_id_seq'::regclass);

--

-- TOC entry 3466 (class 0 OID 26784)
-- Dependencies: 228
-- Data for Name: address; Type: TABLE DATA; Schema: public; Owner: postgres
--

--

-- TOC entry 3476 (class 0 OID 26839)
-- Dependencies: 238
-- Data for Name: all_leased_cars; Type: TABLE DATA; Schema: public; Owner: postgres
--

INSERT INTO public.all_leased_cars (leased_id, rent_id) VALUES (1, 2);

--

-- TOC entry 3456 (class 0 OID 26707)
-- Dependencies: 218
-- Data for Name: brands; Type: TABLE DATA; Schema: public; Owner: postgres
--
```

```
INSERT INTO public.brands (brand_id, brand_name) VALUES (1, 'Mercedes');
INSERT INTO public.brands (brand_id, brand_name) VALUES (2, 'BMW');
INSERT INTO public.brands (brand_id, brand_name) VALUES (3, 'Audi');
INSERT INTO public.brands (brand_id, brand_name) VALUES (4, 'Mitsubishi');
INSERT INTO public.brands (brand_id, brand_name) VALUES (5, 'Volkswagen');
INSERT INTO public.brands (brand_id, brand_name) VALUES (6, 'Peugeot');
```

--

-- TOC entry 3460 (class 0 OID 26726)

-- Dependencies: 222

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

--

```
INSERT INTO public.cars (car_id, price, fuel, type, gear, seat, image_url, brand_id, model_id,
dealer_id, created_at, updated_at, deleted_at) VALUES (1, '100', 'diesel', 'sedan', 'manuel', '5',
'https://images.unsplash.com/photo-1571224237891-bfb45fcf0920?ixlib=rb-
1.2.1&ixid=MnwxMjA3fDB8MHxwaG90by1wYWdlfHx8fGVufDB8fHx8&auto=format&fit=crop&w=13
39&q=80', 1, 1, 1, '2021-12-10 18:23:36', '2021-12-10 18:23:36', '2021-12-10 18:23:36');
```

```
INSERT INTO public.cars (car_id, price, fuel, type, gear, seat, image_url, brand_id, model_id,
dealer_id, created_at, updated_at, deleted_at) VALUES (2, '500', 'diesel', 'SUV', 'Manuel', '5',
'https://images.unsplash.com/photo-1492967396498-f79507b65e89?ixlib=rb-
1.2.1&ixid=MnwxMjA3fDB8MHxwaG90by1wYWdlfHx8fGVufDB8fHx8&auto=format&fit=crop&w=11
70&q=80', 1, 2, 1, '2021-12-10 18:23:36', '2021-12-10 18:23:36', '2021-12-10 18:23:36');
```

```
INSERT INTO public.cars (car_id, price, fuel, type, gear, seat, image_url, brand_id, model_id,
dealer_id, created_at, updated_at, deleted_at) VALUES (3, '600', 'diesel', 'SUV', 'Manuel', '5',
'https://images.unsplash.com/photo-1518613158449-d23f7e69dfb4?ixlib=rb-
1.2.1&ixid=MnwxMjA3fDB8MHxwaG90by1wYWdlfHx8fGVufDB8fHx8&auto=format&fit=crop&w=12
40&q=80', 2, 3, 1, '2021-12-10 18:23:36', '2021-12-10 18:23:36', '2021-12-10 18:23:36');
```

```
INSERT INTO public.cars (car_id, price, fuel, type, gear, seat, image_url, brand_id, model_id,
dealer_id, created_at, updated_at, deleted_at) VALUES (4, '200', 'diesel', 'Sedan', 'Automatic', '5',
'https://images.unsplash.com/photo-1523983388277-336a66bf9bcd?ixlib=rb-
1.2.1&ixid=MnwxMjA3fDB8MHxwaG90by1wYWdlfHx8fGVufDB8fHx8&auto=format&fit=crop&w=11
70&q=80', 2, 4, 1, '2021-12-10 18:23:36', '2021-12-10 18:23:36', '2021-12-10 18:23:36');
```

```
INSERT INTO public.cars (car_id, price, fuel, type, gear, seat, image_url, brand_id, model_id,
dealer_id, created_at, updated_at, deleted_at) VALUES (5, '50', 'diesel', 'Hatchback', 'Automatic', '5',
'https://images.unsplash.com/photo-1639058975078-62acad4680a?ixlib=rb-
```

```
1.2.1&ixid=MnwxMjA3fDB8MHxwaG90by1wYWdlfHx8fGVufDB8fHx8&auto=format&fit=crop&w=1170&q=80', 3, 5, 1, '2021-12-10 18:23:36', '2021-12-10 18:23:36', '2021-12-10 18:23:36');
```

```
INSERT INTO public.cars (car_id, price, fuel, type, gear, seat, image_url, brand_id, model_id, dealer_id, created_at, updated_at, deleted_at) VALUES (6, '500', 'diesel', 'SUV', 'Automatic', '5', 'https://images.unsplash.com/photo-1626075195920-5df44dc27674?ixlib=rb-1.2.1&ixid=MnwxMjA3fDB8MHxwaG90by1wYWdlfHx8fGVufDB8fHx8&auto=format&fit=crop&w=1171&q=80', 3, 6, 2, '2021-12-10 18:23:36', '2021-12-10 18:23:36', '2021-12-10 18:23:36');
```

```
INSERT INTO public.cars (car_id, price, fuel, type, gear, seat, image_url, brand_id, model_id, dealer_id, created_at, updated_at, deleted_at) VALUES (7, '150', 'Gasoline', 'SUV', 'Manuel', '5', 'https://images.unsplash.com/photo-1596429924638-d1f8a252df7d?ixlib=rb-1.2.1&ixid=MnwxMjA3fDB8MHxwaG90by1wYWdlfHx8fGVufDB8fHx8&auto=format&fit=crop&w=867&q=80', 4, 7, 2, '2021-12-10 18:23:36', '2021-12-10 18:23:36', '2021-12-10 18:23:36');
```

```
INSERT INTO public.cars (car_id, price, fuel, type, gear, seat, image_url, brand_id, model_id, dealer_id, created_at, updated_at, deleted_at) VALUES (8, '50', 'diesel', 'Hatchback', 'Automatic', '5', 'https://images.unsplash.com/photo-1590137303959-f500008a2930?ixlib=rb-1.2.1&ixid=MnwxMjA3fDB8MHxwaG90by1wYWdlfHx8fGVufDB8fHx8&auto=format&fit=crop&w=1171&q=80', 5, 8, 2, '2021-12-10 18:23:36', '2021-12-10 18:23:36', '2021-12-10 18:23:36');
```

```
INSERT INTO public.cars (car_id, price, fuel, type, gear, seat, image_url, brand_id, model_id, dealer_id, created_at, updated_at, deleted_at) VALUES (9, '200', 'diesel', 'SUV', 'Automatic', '5', 'https://images.unsplash.com/photo-1566421740474-8456c6840c71?ixlib=rb-1.2.1&ixid=MnwxMjA3fDB8MHxwaG90by1wYWdlfHx8fGVufDB8fHx8&auto=format&fit=crop&w=1170&q=80', 6, 9, 2, '2021-12-10 18:23:36', '2021-12-10 18:23:36', '2021-12-10 18:23:36');
```

--

-- TOC entry 3452 (class 0 OID 26688)

-- Dependencies: 214

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

--

```
INSERT INTO public.cities (city_id, name) VALUES (1, 'Adana');
```

```
INSERT INTO public.cities (city_id, name) VALUES (2, 'Adiyaman');
```

```
INSERT INTO public.cities (city_id, name) VALUES (3, 'Afyonkarahisar');
```

```
INSERT INTO public.cities (city_id, name) VALUES (4, 'Ağrı');
```

```
INSERT INTO public.cities (city_id, name) VALUES (5, 'Amasya');
```

```
INSERT INTO public.cities (city_id, name) VALUES (6, 'Ankara');
```

```
INSERT INTO public.cities (city_id, name) VALUES (7, 'Antalya');
```

```
INSERT INTO public.cities (city_id, name) VALUES (8, 'Artvin');
INSERT INTO public.cities (city_id, name) VALUES (9, 'Aydın');
INSERT INTO public.cities (city_id, name) VALUES (10, 'Balıkesir');
INSERT INTO public.cities (city_id, name) VALUES (11, 'Bilecik');
INSERT INTO public.cities (city_id, name) VALUES (12, 'Bingöl');
INSERT INTO public.cities (city_id, name) VALUES (13, 'Bitlis');
INSERT INTO public.cities (city_id, name) VALUES (14, 'Bolu');
INSERT INTO public.cities (city_id, name) VALUES (15, 'Burdur');
INSERT INTO public.cities (city_id, name) VALUES (16, 'Bursa');
INSERT INTO public.cities (city_id, name) VALUES (17, 'Çanakkale');
INSERT INTO public.cities (city_id, name) VALUES (18, 'Çankırı');
INSERT INTO public.cities (city_id, name) VALUES (19, 'Çorum');
INSERT INTO public.cities (city_id, name) VALUES (20, 'Denizli');
INSERT INTO public.cities (city_id, name) VALUES (21, 'Diyarbakır');
INSERT INTO public.cities (city_id, name) VALUES (22, 'Edirne');
INSERT INTO public.cities (city_id, name) VALUES (23, 'Elazığ');
INSERT INTO public.cities (city_id, name) VALUES (24, 'Erzincan');
INSERT INTO public.cities (city_id, name) VALUES (25, 'Erzurum');
INSERT INTO public.cities (city_id, name) VALUES (26, 'Eskişehir');
INSERT INTO public.cities (city_id, name) VALUES (27, 'Gaziantep');
INSERT INTO public.cities (city_id, name) VALUES (28, 'Giresun');
INSERT INTO public.cities (city_id, name) VALUES (29, 'Gümüşhane');
INSERT INTO public.cities (city_id, name) VALUES (30, 'Hakkari');
INSERT INTO public.cities (city_id, name) VALUES (31, 'Hatay');
INSERT INTO public.cities (city_id, name) VALUES (32, 'Isparta');
INSERT INTO public.cities (city_id, name) VALUES (33, 'Mersin');
INSERT INTO public.cities (city_id, name) VALUES (34, 'İstanbul');
INSERT INTO public.cities (city_id, name) VALUES (35, 'İzmir');
INSERT INTO public.cities (city_id, name) VALUES (36, 'Kars');
INSERT INTO public.cities (city_id, name) VALUES (37, 'Kastamonu');
INSERT INTO public.cities (city_id, name) VALUES (38, 'Kayseri');
```

INSERT INTO public.cities (city_id, name) VALUES (39, 'Kırklareli');
INSERT INTO public.cities (city_id, name) VALUES (40, 'Kırşehir');
INSERT INTO public.cities (city_id, name) VALUES (41, 'Kocaeli');
INSERT INTO public.cities (city_id, name) VALUES (42, 'Konya');
INSERT INTO public.cities (city_id, name) VALUES (43, 'Kütahya');
INSERT INTO public.cities (city_id, name) VALUES (44, 'Malatya');
INSERT INTO public.cities (city_id, name) VALUES (45, 'Manisa');
INSERT INTO public.cities (city_id, name) VALUES (46, 'Kahramanmaraş');
INSERT INTO public.cities (city_id, name) VALUES (47, 'Mardin');
INSERT INTO public.cities (city_id, name) VALUES (48, 'Muğla');
INSERT INTO public.cities (city_id, name) VALUES (49, 'Muş');
INSERT INTO public.cities (city_id, name) VALUES (50, 'Nevşehir');
INSERT INTO public.cities (city_id, name) VALUES (51, 'Niğde');
INSERT INTO public.cities (city_id, name) VALUES (52, 'Ordu');
INSERT INTO public.cities (city_id, name) VALUES (53, 'Rize');
INSERT INTO public.cities (city_id, name) VALUES (54, 'Sakarya');
INSERT INTO public.cities (city_id, name) VALUES (55, 'Samsun');
INSERT INTO public.cities (city_id, name) VALUES (56, 'Siirt');
INSERT INTO public.cities (city_id, name) VALUES (57, 'Sinop');
INSERT INTO public.cities (city_id, name) VALUES (58, 'Sivas');
INSERT INTO public.cities (city_id, name) VALUES (59, 'Tekirdağ');
INSERT INTO public.cities (city_id, name) VALUES (60, 'Tokat');
INSERT INTO public.cities (city_id, name) VALUES (61, 'Trabzon');
INSERT INTO public.cities (city_id, name) VALUES (62, 'Tunceli');
INSERT INTO public.cities (city_id, name) VALUES (63, 'Şanlıurfa');
INSERT INTO public.cities (city_id, name) VALUES (64, 'Uşak');
INSERT INTO public.cities (city_id, name) VALUES (65, 'Van');
INSERT INTO public.cities (city_id, name) VALUES (66, 'Yozgat');
INSERT INTO public.cities (city_id, name) VALUES (67, 'Zonguldak');
INSERT INTO public.cities (city_id, name) VALUES (68, 'Aksaray');
INSERT INTO public.cities (city_id, name) VALUES (69, 'Bayburt');

```
INSERT INTO public.cities (city_id, name) VALUES (70, 'Karaman');
INSERT INTO public.cities (city_id, name) VALUES (71, 'Kırıkkale');
INSERT INTO public.cities (city_id, name) VALUES (72, 'Batman');
INSERT INTO public.cities (city_id, name) VALUES (73, 'Şırnak');
INSERT INTO public.cities (city_id, name) VALUES (74, 'Bartın');
INSERT INTO public.cities (city_id, name) VALUES (75, 'Ardahan');
INSERT INTO public.cities (city_id, name) VALUES (76, 'Iğdır');
INSERT INTO public.cities (city_id, name) VALUES (77, 'Yalova');
INSERT INTO public.cities (city_id, name) VALUES (78, 'Karabük');
INSERT INTO public.cities (city_id, name) VALUES (79, 'Kilis');
INSERT INTO public.cities (city_id, name) VALUES (80, 'Osmaniye');
INSERT INTO public.cities (city_id, name) VALUES (81, 'Düzce');
```

--

-- TOC entry 3454 (class 0 OID 26695)

-- Dependencies: 216

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

--

```
INSERT INTO public.dealers (dealer_id, dealer_name, city_id) VALUES (1, 'A', 61);
INSERT INTO public.dealers (dealer_id, dealer_name, city_id) VALUES (2, 'B', 61);
INSERT INTO public.dealers (dealer_id, dealer_name, city_id) VALUES (3, 'C', 61);
INSERT INTO public.dealers (dealer_id, dealer_name, city_id) VALUES (4, 'E', 26);
```

--

-- TOC entry 3470 (class 0 OID 26808)

-- Dependencies: 232

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

--


```
INSERT INTO public.employees (employee_id, first_name, last_name, email, phone_number,
hire_date, salary, dealer_id) VALUES (1, 'Beyza', 'Erkan', 'beyzaerkan@icloud.com', '12345678912',
'2021-12-10 18:23:36', 7000.00, 1);
```

```
INSERT INTO public.employees (employee_id, first_name, last_name, email, phone_number,
hire_date, salary, dealer_id) VALUES (2, 'Burak', 'Erkan', 'ze@icloud.com', '12345678912', '2021-12-
10 18:23:36', 7000.00, 1);
```

```
--
```

```
-- TOC entry 3458 (class 0 OID 26714)
```

```
-- Dependencies: 220
```

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

```
--
```

```
INSERT INTO public.models (model_id, model_name, brand_id) VALUES (1, 'A200', 1);
```

```
INSERT INTO public.models (model_id, model_name, brand_id) VALUES (2, 'G63', 1);
```

```
INSERT INTO public.models (model_id, model_name, brand_id) VALUES (3, 'X3', 2);
```

```
INSERT INTO public.models (model_id, model_name, brand_id) VALUES (4, '520i', 2);
```

```
INSERT INTO public.models (model_id, model_name, brand_id) VALUES (5, 'A3', 3);
```

```
INSERT INTO public.models (model_id, model_name, brand_id) VALUES (6, 'Q7', 3);
```

```
INSERT INTO public.models (model_id, model_name, brand_id) VALUES (7, 'ASX', 4);
```

```
INSERT INTO public.models (model_id, model_name, brand_id) VALUES (8, 'Polo', 5);
```

```
INSERT INTO public.models (model_id, model_name, brand_id) VALUES (9, '5008', 6);
```

```
--
```

```
-- TOC entry 3462 (class 0 OID 26750)
```

```
-- Dependencies: 224
```

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

```
--
```

```
INSERT INTO public.on_rent (rent_id, day, reception_date, delivery_date, user_id, car_id, dealer_id,
rent_payment) VALUES (1, 5, '2021-12-10 18:23:36', '2021-12-15 18:23:36', 2, 1, 1, 500);
```

```
INSERT INTO public.on_rent (rent_id, day, reception_date, delivery_date, user_id, car_id, dealer_id,
rent_payment) VALUES (2, 5, '2021-12-10 18:23:36', '2021-12-12 15:23:36', 2, 2, 1, 25000);
```

```
--
```

```
-- TOC entry 3472 (class 0 OID 26820)
```

```
-- Dependencies: 234
```

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

```
--
```

```
INSERT INTO public.payments (payment_id, payment, rent_id, payment_date) VALUES (1, 25000, 2,
'2021-12-12 15:49:08.139688');
```

```
--
```

```
-- TOC entry 3464 (class 0 OID 26772)
```

```
-- Dependencies: 226
```

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

```
--
```

```
--
```

```
-- TOC entry 3448 (class 0 OID 26667)
```

```
-- Dependencies: 210
```

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

```
--
```

```
INSERT INTO public.roles (role_id, role) VALUES (1, 'admin');
```

```
INSERT INTO public.roles (role_id, role) VALUES (2, 'customer');
```

--

-- TOC entry 3474 (class 0 OID 26832)

-- Dependencies: 236

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

--

```
INSERT INTO public.totals (id, total_payment, total_employee_salary, total_leased_cars) VALUES (1, 25000, 14000, 2);
```

--

-- TOC entry 3468 (class 0 OID 26796)

-- Dependencies: 230

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

--

--

-- TOC entry 3450 (class 0 OID 26674)

-- Dependencies: 212

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

--

```
INSERT INTO public.users (user_id, first_name, last_name, mail, password, role_id, created_at, updated_at, deleted_at) VALUES (1, 'Beyza', 'Erkan', 'beyzaerkan@icloud.com', '123456', 1, '2021-12-10 18:23:36', '2021-12-10 18:23:36', '2021-12-10 18:23:36');
```

```
INSERT INTO public.users (user_id, first_name, last_name, mail, password, role_id, created_at, updated_at, deleted_at) VALUES (2, 'Zeynep', 'Kurt', 'zeynepkurt@icloud.com', '789456', 2, '2021-12-10 18:23:36', '2021-12-10 18:23:36', '2021-12-10 18:23:36');
```

--

-- TOC entry 3497 (class 0 OID 0)

-- Dependencies: 227

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

--

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

--

-- TOC entry 3498 (class 0 OID 0)

-- Dependencies: 237

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

--

SELECT pg_catalog.setval('public.all_leased_cars_leased_id_seq', 1, true);

--

-- TOC entry 3499 (class 0 OID 0)

-- Dependencies: 217

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

--

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

--

-- TOC entry 3500 (class 0 OID 0)

-- Dependencies: 221

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

--

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

--

-- TOC entry 3501 (class 0 OID 0)

-- Dependencies: 213

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

--

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

--

-- TOC entry 3502 (class 0 OID 0)

-- Dependencies: 215

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

--

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

--

-- TOC entry 3503 (class 0 OID 0)

-- Dependencies: 231

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

--

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

--

-- TOC entry 3504 (class 0 OID 0)

-- Dependencies: 219

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

--

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

--

-- TOC entry 3505 (class 0 OID 0)

-- Dependencies: 223

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

--

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

--

-- TOC entry 3506 (class 0 OID 0)

-- Dependencies: 233

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

--

SELECT pg_catalog.setval('public.payments_payment_id_seq', 1, true);

--

-- TOC entry 3507 (class 0 OID 0)

-- Dependencies: 225
-- Name: phone_numbers_number_id_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres
--

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

--
-- TOC entry 3508 (class 0 OID 0)
-- Dependencies: 209
-- Name: roles_role_id_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres
--

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

--
-- TOC entry 3509 (class 0 OID 0)
-- Dependencies: 235
-- Name: totals_id_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres
--

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

--
-- TOC entry 3510 (class 0 OID 0)
-- Dependencies: 229
-- Name: user_payment_info_user_payment_id_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres
--

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

```
--
```

```
-- TOC entry 3511 (class 0 OID 0)
```

```
-- Dependencies: 211
```

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

```
--
```

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

```
--
```

```
-- TOC entry 3278 (class 2606 OID 26789)
```

```
-- Name: address address_pkey; Type: CONSTRAINT; Schema: public; Owner: postgres
```

```
--
```

```
ALTER TABLE ONLY public.address
```

```
ADD CONSTRAINT address_pkey PRIMARY KEY (address_id);
```

```
--
```

```
-- TOC entry 3288 (class 2606 OID 26844)
```

```
-- Name: all_leased_cars all_leased_cars_pkey; Type: CONSTRAINT; Schema: public; Owner: postgres
```

```
--
```

```
ALTER TABLE ONLY public.all_leased_cars
```

```
ADD CONSTRAINT all_leased_cars_pkey PRIMARY KEY (leased_id);
```



```
--  
-- TOC entry 3268 (class 2606 OID 26712)  
-- Name: brands brands_pkey; Type: CONSTRAINT; Schema: public; Owner: postgres  
--
```

```
ALTER TABLE ONLY public.brands  
    ADD CONSTRAINT brands_pkey PRIMARY KEY (brand_id);
```

```
--  
-- TOC entry 3272 (class 2606 OID 26733)  
-- Name: cars cars_pkey; Type: CONSTRAINT; Schema: public; Owner: postgres  
--
```

```
ALTER TABLE ONLY public.cars  
    ADD CONSTRAINT cars_pkey PRIMARY KEY (car_id);
```

```
--  
-- TOC entry 3264 (class 2606 OID 26693)  
-- Name: cities cities_pkey; Type: CONSTRAINT; Schema: public; Owner: postgres  
--
```

```
ALTER TABLE ONLY public.cities  
    ADD CONSTRAINT cities_pkey PRIMARY KEY (city_id);
```

```
--  
-- TOC entry 3266 (class 2606 OID 26700)  
-- Name: dealers dealers_pkey; Type: CONSTRAINT; Schema: public; Owner: postgres  
--
```

```
ALTER TABLE ONLY public.dealers
```

```
ADD CONSTRAINT dealers_pkey PRIMARY KEY (dealer_id);
```

```
--
```

```
-- TOC entry 3282 (class 2606 OID 26813)
```

```
-- Name: employees employees_pkey; Type: CONSTRAINT; Schema: public; Owner: postgres
```

```
--
```

```
ALTER TABLE ONLY public.employees
```

```
ADD CONSTRAINT employees_pkey PRIMARY KEY (employee_id);
```

```
--
```

```
-- TOC entry 3270 (class 2606 OID 26719)
```

```
-- Name: models models_pkey; Type: CONSTRAINT; Schema: public; Owner: postgres
```

```
--
```

```
ALTER TABLE ONLY public.models
```

```
ADD CONSTRAINT models_pkey PRIMARY KEY (model_id);
```

```
--
```

```
-- TOC entry 3274 (class 2606 OID 26755)
```

```
-- Name: on_rent on_rent_pkey; Type: CONSTRAINT; Schema: public; Owner: postgres
```

```
--
```

```
ALTER TABLE ONLY public.on_rent
```

```
ADD CONSTRAINT on_rent_pkey PRIMARY KEY (rent_id);
```

--

-- TOC entry 3284 (class 2606 OID 26825)

-- Name: payments payments_pkey; Type: CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.payments

ADD CONSTRAINT payments_pkey PRIMARY KEY (payment_id);

--

-- TOC entry 3276 (class 2606 OID 26777)

-- Name: phone_numbers phone_numbers_pkey; Type: CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.phone_numbers

ADD CONSTRAINT phone_numbers_pkey PRIMARY KEY (number_id);

--

-- TOC entry 3258 (class 2606 OID 26672)

-- Name: roles roles_pkey; Type: CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.roles

ADD CONSTRAINT roles_pkey PRIMARY KEY (role_id);

--

-- TOC entry 3286 (class 2606 OID 26837)

-- Name: totals totals_pkey; Type: CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.totals

ADD CONSTRAINT totals_pkey PRIMARY KEY (id);

--

-- TOC entry 3280 (class 2606 OID 26801)

-- Name: user_payment_info user_payment_info_pkey; Type: CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.user_payment_info

ADD CONSTRAINT user_payment_info_pkey PRIMARY KEY (user_payment_id);

--

-- TOC entry 3260 (class 2606 OID 26681)

-- Name: users users_mail_key; Type: CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.users

ADD CONSTRAINT users_mail_key UNIQUE (mail);

--

-- TOC entry 3262 (class 2606 OID 26679)

-- Name: users users_pkey; Type: CONSTRAINT; Schema: public; Owner: postgres

--

```
ALTER TABLE ONLY public.users
```

```
ADD CONSTRAINT users_pkey PRIMARY KEY (user_id);
```

```
--
```

```
-- TOC entry 3304 (class 2620 OID 26851)
```

```
-- Name: on_rent addeasedcarstrig; Type: TRIGGER; Schema: public; Owner: postgres
```

```
--
```

```
CREATE TRIGGER addeasedcarstrig AFTER INSERT ON public.on_rent FOR EACH ROW EXECUTE  
FUNCTION public.addleasedcarstotal();
```

```
--
```

```
-- TOC entry 3306 (class 2620 OID 26853)
```

```
-- Name: payments lastpaymenttrig; Type: TRIGGER; Schema: public; Owner: postgres
```

```
--
```

```
CREATE TRIGGER lastpaymenttrig AFTER INSERT ON public.payments FOR EACH ROW EXECUTE  
FUNCTION public.totalpayments();
```

```
--
```

```
-- TOC entry 3307 (class 2620 OID 26860)
```

```
-- Name: all_leased_cars paymenttrig; Type: TRIGGER; Schema: public; Owner: postgres
```

```
--
```

```
CREATE TRIGGER paymenttrig AFTER INSERT ON public.all_leased_cars FOR EACH ROW EXECUTE  
FUNCTION public.all_leased_insert_trigger();
```

```
--
```

-- TOC entry 3305 (class 2620 OID 26855)

-- Name: employees salarytrig; Type: TRIGGER; Schema: public; Owner: postgres

--

```
CREATE TRIGGER salarytrig AFTER INSERT ON public.employees FOR EACH ROW EXECUTE FUNCTION
public.totalsalaries();
```

--

-- TOC entry 3299 (class 2606 OID 26790)

-- Name: address address_user_id_fkey; Type: FK CONSTRAINT; Schema: public; Owner: postgres

--

```
ALTER TABLE ONLY public.address
```

```
    ADD CONSTRAINT address_user_id_fkey FOREIGN KEY (user_id) REFERENCES public.users(user_id);
```

--

-- TOC entry 3303 (class 2606 OID 26845)

-- Name: all_leased_cars all_leased_cars_rent_id_fkey; Type: FK CONSTRAINT; Schema: public;
Owner: postgres

--

```
ALTER TABLE ONLY public.all_leased_cars
```

```
    ADD CONSTRAINT all_leased_cars_rent_id_fkey FOREIGN KEY (rent_id) REFERENCES
public.on_rent(rent_id);
```

--

-- TOC entry 3292 (class 2606 OID 26734)

-- Name: cars cars_brand_id_fkey; Type: FK CONSTRAINT; Schema: public; Owner: postgres

--

```
ALTER TABLE ONLY public.cars
```

```
    ADD CONSTRAINT cars_brand_id_fkey FOREIGN KEY (brand_id) REFERENCES  
public.brands(brand_id);
```

```
--
```

```
-- TOC entry 3294 (class 2606 OID 26744)
```

```
-- Name: cars cars_dealer_id_fkey; Type: FK CONSTRAINT; Schema: public; Owner: postgres
```

```
--
```

```
ALTER TABLE ONLY public.cars
```

```
    ADD CONSTRAINT cars_dealer_id_fkey FOREIGN KEY (dealer_id) REFERENCES  
public.dealers(dealer_id);
```

```
--
```

```
-- TOC entry 3293 (class 2606 OID 26739)
```

```
-- Name: cars cars_model_id_fkey; Type: FK CONSTRAINT; Schema: public; Owner: postgres
```

```
--
```

```
ALTER TABLE ONLY public.cars
```

```
    ADD CONSTRAINT cars_model_id_fkey FOREIGN KEY (model_id) REFERENCES  
public.models(model_id);
```

```
--
```

```
-- TOC entry 3290 (class 2606 OID 26701)
```

```
-- Name: dealers dealers_city_id_fkey; Type: FK CONSTRAINT; Schema: public; Owner: postgres
```

```
--
```

```
ALTER TABLE ONLY public.dealers
```

```
ADD CONSTRAINT dealers_city_id_fkey FOREIGN KEY (city_id) REFERENCES public.cities(city_id);
```

```
--
```

```
-- TOC entry 3301 (class 2606 OID 26814)
```

```
-- Name: employees employees_dealer_id_fkey; Type: FK CONSTRAINT; Schema: public; Owner: postgres
```

```
--
```

```
ALTER TABLE ONLY public.employees
```

```
ADD CONSTRAINT employees_dealer_id_fkey FOREIGN KEY (dealer_id) REFERENCES public.dealers(dealer_id);
```

```
--
```

```
-- TOC entry 3291 (class 2606 OID 26720)
```

```
-- Name: models models_brand_id_fkey; Type: FK CONSTRAINT; Schema: public; Owner: postgres
```

```
--
```

```
ALTER TABLE ONLY public.models
```

```
ADD CONSTRAINT models_brand_id_fkey FOREIGN KEY (brand_id) REFERENCES public.brands(brand_id);
```

```
--
```

```
-- TOC entry 3296 (class 2606 OID 26761)
```

```
-- Name: on_rent on_rent_car_id_fkey; Type: FK CONSTRAINT; Schema: public; Owner: postgres
```

```
--
```

```
ALTER TABLE ONLY public.on_rent
```

```
ADD CONSTRAINT on_rent_car_id_fkey FOREIGN KEY (car_id) REFERENCES public.cars(car_id);
```


--

-- TOC entry 3297 (class 2606 OID 26766)

-- Name: on_rent on_rent_dealer_id_fkey; Type: FK CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.on_rent

ADD CONSTRAINT on_rent_dealer_id_fkey FOREIGN KEY (dealer_id) REFERENCES
public.dealers(dealer_id);

--

-- TOC entry 3295 (class 2606 OID 26756)

-- Name: on_rent on_rent_user_id_fkey; Type: FK CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.on_rent

ADD CONSTRAINT on_rent_user_id_fkey FOREIGN KEY (user_id) REFERENCES
public.users(user_id);

--

-- TOC entry 3302 (class 2606 OID 26826)

-- Name: payments payments_rent_id_fkey; Type: FK CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.payments

ADD CONSTRAINT payments_rent_id_fkey FOREIGN KEY (rent_id) REFERENCES
public.on_rent(rent_id);

--

```
-- TOC entry 3298 (class 2606 OID 26778)

-- Name: phone_numbers phone_numbers_user_id_fkey; Type: FK CONSTRAINT; Schema: public;
Owner: postgres
```

```
--
```

```
ALTER TABLE ONLY public.phone_numbers
```

```
    ADD CONSTRAINT phone_numbers_user_id_fkey FOREIGN KEY (user_id) REFERENCES
public.users(user_id);
```

```
--
```

```
-- TOC entry 3300 (class 2606 OID 26802)
```

```
-- Name: user_payment_info user_payment_info_user_id_fkey; Type: FK CONSTRAINT; Schema:
public; Owner: postgres
```

```
--
```

```
ALTER TABLE ONLY public.user_payment_info
```

```
    ADD CONSTRAINT user_payment_info_user_id_fkey FOREIGN KEY (user_id) REFERENCES
public.users(user_id);
```

```
--
```

```
-- TOC entry 3289 (class 2606 OID 26682)
```

```
-- Name: users users_role_id_fkey; Type: FK CONSTRAINT; Schema: public; Owner: postgres
```

```
--
```

```
ALTER TABLE ONLY public.users
```

```
    ADD CONSTRAINT users_role_id_fkey FOREIGN KEY (role_id) REFERENCES public.roles(role_id);
```

```
-- Completed on 2021-12-12 23:32:26
```

--

-- PostgreSQL database dump complete

--

TRIGGERS AND FUNCTIONS

TRIGGERS

--araba kiralandığında kiralanan araba sayısını artır

CREATE OR REPLACE FUNCTION addLeasedCarsTotal()

returns trigger

AS

\$\$

begin

update totals set total_leased_cars = total_leased_cars + 1;

return new;

end;

\$\$

language plpgsql;

create trigger addeasedcarstrig

after insert

on on_rent

for each row

execute procedure addleasedCarsTotal();

--tüm ödemeleri getir

create or replace function totalPayments()

returns trigger

as

\$\$

declare

last_payment integer;

```
begin
last_payment:=(select payment from payments order by payment_id desc limit 1);
update totals set total_payment = total_payment + last_payment;
return new;
end;
$$
language plpgsql;
```

```
CREATE TRIGGER lastPaymentTrig
AFTER INSERT
ON payments
FOR EACH ROW
EXECUTE PROCEDURE totalPayments();
```

--çalışan maaşlarını topla

```
create or replace function totalSalaries()
returns trigger
as
$$
declare
total_salary integer;
begin
total_salary:=(select sum(salary) from employees);
update totals set total_employee_salary = total_salary;
return new;
end;
$$
language plpgsql;
```

```
CREATE TRIGGER salaryTrig
AFTER INSERT
ON employees
FOR EACH ROW
EXECUTE PROCEDURE totalSalaries();
```

FONKSİYONLAR

--boştaki araçları getir

```
create or replace function getCarsInfo()
returns table(
    car_id  INTEGER
    , price  VARCHAR(20)
    , fuel   VARCHAR(30)
    , type   VARCHAR(10)
    , gear   VARCHAR(10)
    , seat   VARCHAR(20)
    , brand_id INTEGER
    , model_id INTEGER
    , dealer_id INTEGER
    , image_url VARCHAR
    , brand_name VARCHAR(40)
    , model_name VARCHAR(40)
)
as
$$
begin
RETURN QUERY
```

```

SELECT cars.car_id, cars.price, cars.fuel, cars.type, cars.gear, cars.seat, cars.brand_id, cars.model_id,
cars.dealer_id, cars.image_url, brands.brand_name, models.model_name
FROM cars LEFT JOIN on_rent ON cars.car_id = on_rent.car_id
INNER JOIN brands ON cars.brand_id = brands.brand_id
INNER JOIN models ON cars.model_id = models.model_id
WHERE on_rent.car_id IS NULL;

end;

$$

language plpgsql;

```

--kiradaki araç bilgileri

create or replace function getLeasedCarsInfo()

returns table(

```

    car_id INTEGER
    , day INTEGER
    , rent_payment  INTEGER
    , reception_Date TIMESTAMP
    , delivery_date TIMESTAMP
    , fuel          VARCHAR(30)
    , type          VARCHAR(10)
    , gear          VARCHAR(10)
    , seat          VARCHAR(20)
    , image_url     VARCHAR
    , price         VARCHAR(20)
    , brand_name    VARCHAR(40)
    , model_name    VARCHAR(40)

```

)

as

\$\$

begin

RETURN QUERY

```
SELECT on_rent.car_id, on_rent.day, on_rent.rent_payment, on_rent.reception_date,  
on_rent.delivery_date, cars.fuel, cars.type, cars.gear, cars.seat, cars.image_url, cars.price,  
brands.brand_name, models.model_name
```

```
FROM on_rent
```

```
LEFT JOIN cars ON cars.car_id = on_rent.car_id
```

```
LEFT JOIN brands ON cars.brand_id = brands.brand_id
```

```
LEFT JOIN models ON cars.model_id = models.model_id;
```

```
end;
```

```
$$
```

```
language plpgsql;
```

```
--tüm kiralanmış araçlar
```

```
create or replace function allLeasedCars()
```

```
returns TIMESTAMP
```

```
as
```

```
$$
```

```
declare
```

```
delivery_date TIMESTAMP;
```

```
begin
```

```
INSERT INTO all_leased_cars (rent_id)
```

```
SELECT on_rent.rent_id
```

```
FROM on_rent
```

```
WHERE on_rent.delivery_date < now();
```

```
return delivery_date;
```

```
end;
```

```
$$
```

```
language plpgsql;
```

```
--markalar
```

create or replace function getBrandsInfo()

returns table(

brand_id INTEGER

, brand_name VARCHAR(40)

)

as

\$\$

begin

RETURN QUERY

SELECT * FROM brands;

end;

\$\$

language plpgsql;

-- kiralaması bitrn aracın ödemesi alınır

CREATE OR REPLACE FUNCTION all_leased_insert_trigger()

RETURNS trigger

LANGUAGE plpgsql

AS \$function\$

declare

payment integer;

BEGIN

payment:=(select rent_payment from on_rent WHERE rent_id = new.rent_id);

INSERT INTO payments(rent_id, payment,payment_date)

VALUES(new.rent_id ,payment,now());

RETURN NEW;

END;

\$function\$

;

create trigger paymentTrig

after insert

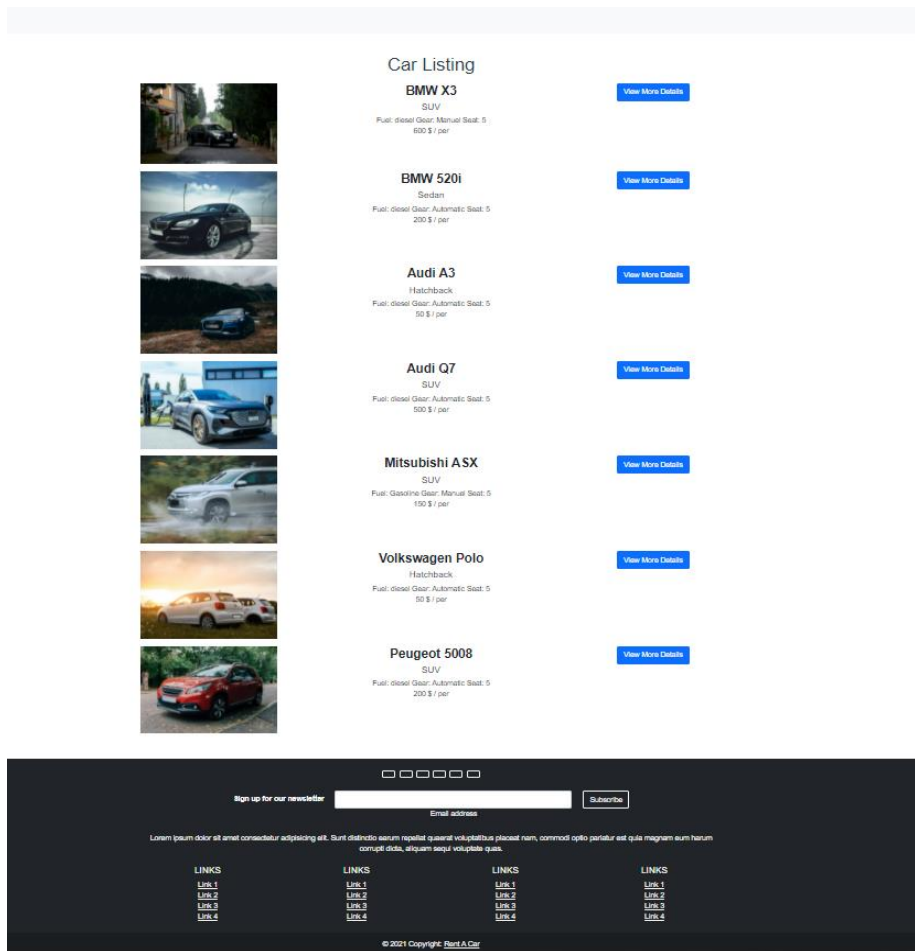
on all_leased_cars

for each row

execute procedure all_leased_insert_trigger();

EKRAN GÖRÜNTÜLERİ

Arama. Araçları listeler.



Ekleme

Yeni bir araç oluşturur. Ve aracın detay sayfasına yönlendirir.

RENT A CAR Home Leased Car Car List Create A Car Admin Sign Out

Create a car

Car Brand

Audi
Mercedes
BMW
Audi
Mitsubishi
Volkswagen
Peugeot

Price

500

Car Model

Q7

Type

suv

Seat

5

Image Url Please include http://

https://images.unsplash.com/photo-1568605117036-5fe5e7bab0b7?ixl

Information

Please enter the information completely and correctly.

Reset Submit

Sign up for our newsletter

Email address

Subscribe

LINKS LINKS LINKS LINKS

Araç kiralar. Kiralandığında başarılı olduğuna dair alert gönderir.

localhost:8081 web sitesinin mesajı

Payment: 1800 \$

Tamam

Delivery Date

15.12.2021

18.12.2021

City

Trabzon

Dealer Name

B

Price

600

Reset Rent

Sign up for our newsletter

Email address

Subscribe

LINKS LINKS LINKS LINKS

Link 1 Link 2 Link 3 Link 4

Link 1 Link 2 Link 3 Link 4

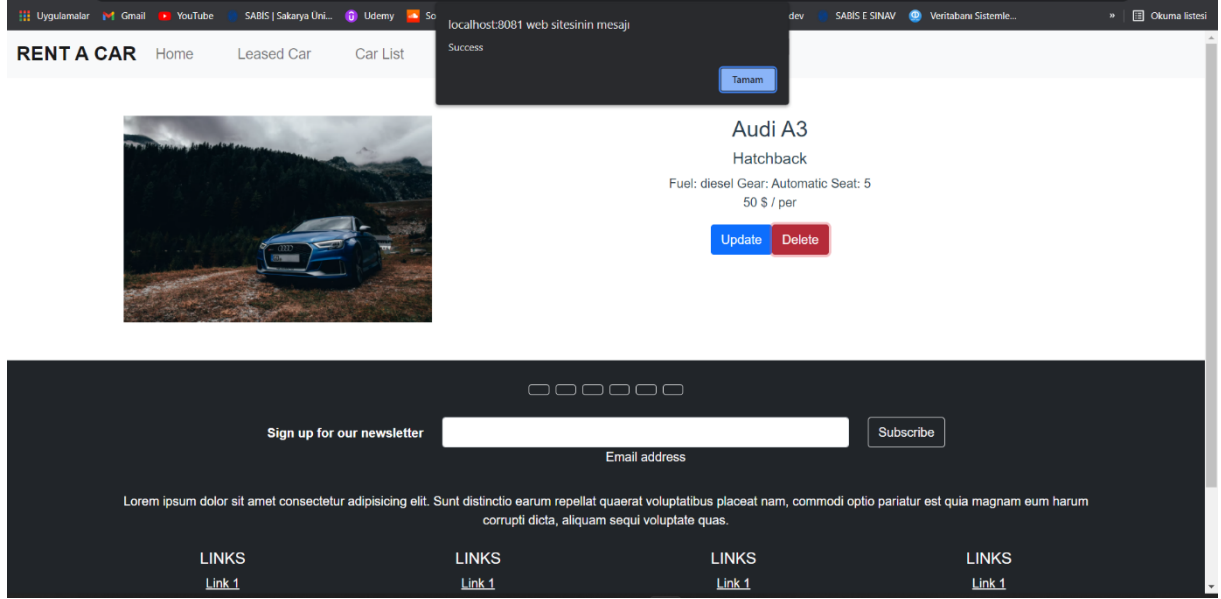
Link 1 Link 2 Link 3 Link 4

Link 1 Link 2 Link 3 Link 4

© 2021 Copyright: Rent A Car

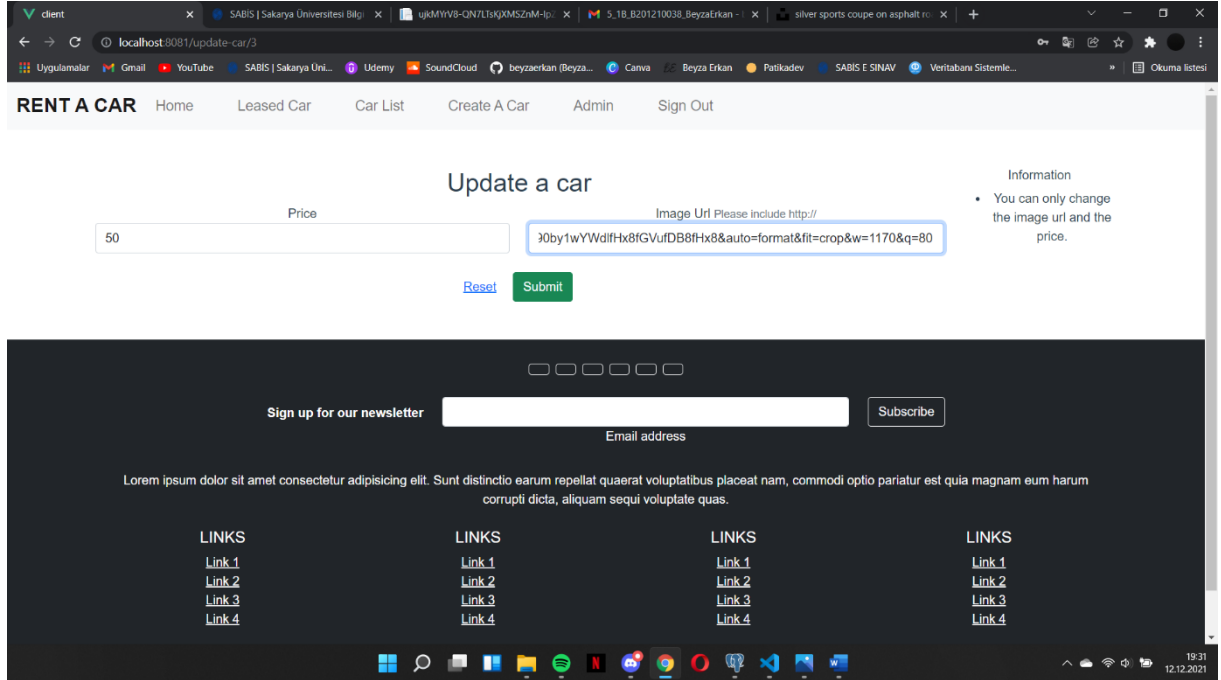
Silme

Aracı siler. Sildiğinde başarılı olduğuna dair alert gönderir.



Güncelleme

Aracı günceller. Güncelliğinde aracın detay sayfasına yönlendirir.

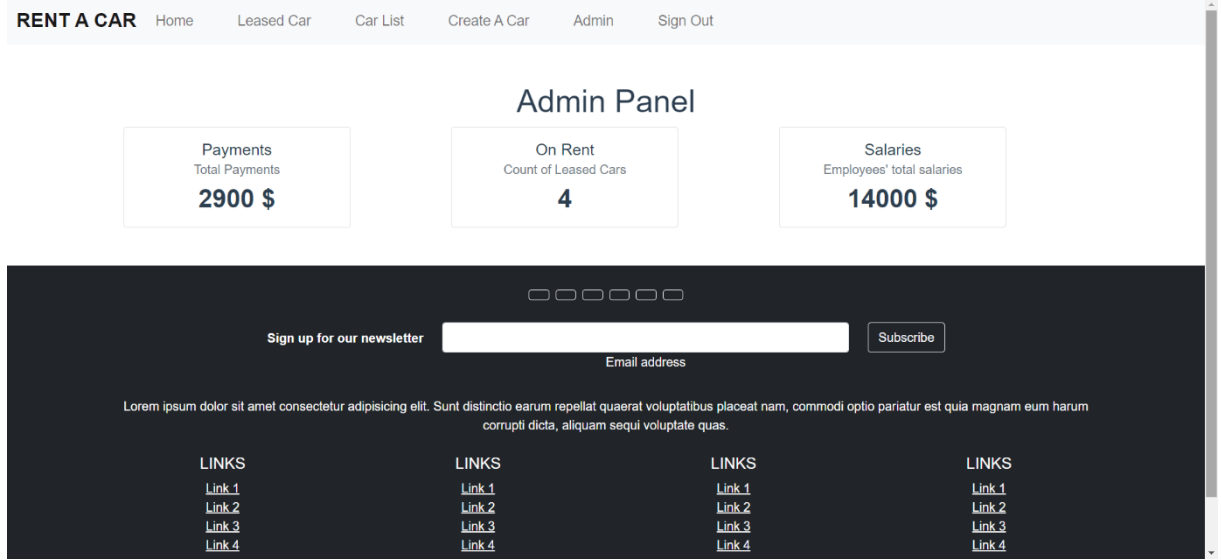


Triggerların kullanıldığı bölüm.

-Teslim tarihi gelen aracın ödemesi alınır. Toplam ödeme kısmına işlenir.

- Kirada olan araçların sayısı getirilir. Araç kiralandığında sayı bir artırılır.

-Çalışanların toplam maaşları gösterilir. Çalışan eklendiğinde maaşı kadar artar.



GITHUB

<https://github.com/beyzaerkan/rentacar>

VIDEO ADRESİ

<https://www.youtube.com/watch?v=mA7hawN7ibk>