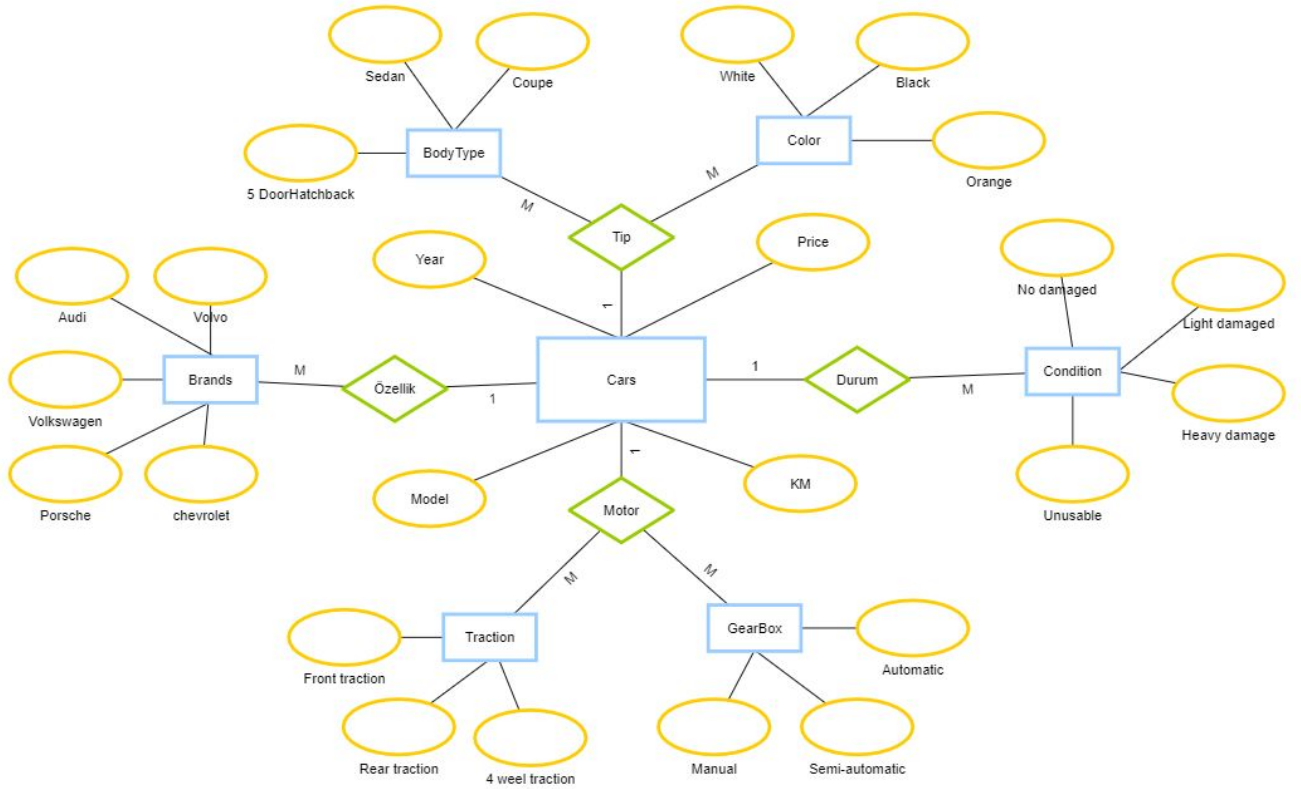# Öneri Formu

Proje Adı: Araç satış sitesi
Projeyi Öneren: 16253801 İbrahim Mert Küni

Satmak istediği bir aracı olan bir kişi araç satış sitesinde arabasını satmak istemektedir. Satıcının ve alıcının görmek istediği bilgiler şu şekildedir:

- Aracın üretimden gelen gövde çeşidi.
- Aracın araziye göre türü.
- Aracı satılığa çıkartan kişi bilgileri.
- Yakıt türü.
- Aracın rengi, rengi ile ilgili yapılan değişiklikler.
- Aracın mevcut durumu, kazalı, kazasız, pert vb.
- Araçların ilan verildiği lokasyonlar.
- Bu araç ile ilgilenme mesuliyeti almış bir yetkili var ise bunun bilgileri.
- Fabrika çıkışı vites türü.
- Aracın çekiş türü.
- Marka ve bu markaya özel içerik var ise bu içerikler.
- İlan süresi, ilan verilme tarihi.
- Bunların harici özel olarak bildirilmiş ilan detayları var ise bunlar.

16253801 İbrahim Mert Küni
Projenin ER Diyagramı

Tablo tasarımı ve relations

Cars Column - Freign Key

Body Type - BodyType

Color - Color

Brand - Brands

Traction - Traction

Gear Box - GearBox

Condition - Condition

1-NF

BodyType - Coupe, sedan, 5 doorHatchback

Brands - Volvo, audi, volkswagen, porsche, chevrolet

Cars - year, model, seller, buyer, advertisement time, price, KM vb.

Color - White, black, orange

Condition - No damaged, light damaged, heavy damaged, unusable

GearBox - Automatic, semi-automatic, manual

Traction - 4 wheel traction, rear traction, front traction

2-NF

To avoid repeat bodyType, brand, color, condition, gearbox and traction add to **cars** table

3-NF

Table specifications separate from each other to lower complexity. Planning to to other tables in the near future.

Car - Seller, buyer and car specifications.

Projenin Veritabanı Oluşturma İfadesi:

```
USE [master]
GO

/****** Object:  Database [CarDB]    Script Date: 10/21/2019 10:21:51 PM ******/
CREATE DATABASE [CarDB]
 CONTAINMENT = NONE
 ON  PRIMARY
( NAME = N'CarDB', FILENAME = N'C:\Program Files\Microsoft SQL
Server\MSSQL14.SQLEXPRESS\MSSQL\DATA\CarDB.mdf' , SIZE = 8192KB , MAXSIZE =
UNLIMITED, FILEGROWTH = 65536KB )
 LOG ON
( NAME = N'CarDB_log', FILENAME = N'C:\Program Files\Microsoft SQL
Server\MSSQL14.SQLEXPRESS\MSSQL\DATA\CarDB_log.ldf' , SIZE = 8192KB ,
MAXSIZE = 2048GB , FILEGROWTH = 65536KB )
GO

IF (1 = FULLTEXTSERVICEPROPERTY('IsFullTextInstalled'))
begin
EXEC [CarDB].[dbo].[sp_fulltext_database] @action = 'enable'
end
GO

ALTER DATABASE [CarDB] SET ANSI_NULL_DEFAULT OFF
GO

ALTER DATABASE [CarDB] SET ANSI_NULLS OFF
GO

ALTER DATABASE [CarDB] SET ANSI_PADDING OFF
GO

ALTER DATABASE [CarDB] SET ANSI_WARNINGS OFF
GO
```

```
ALTER DATABASE [CarDB] SET ARITHABORT OFF
GO

ALTER DATABASE [CarDB] SET AUTO_CLOSE OFF
GO

ALTER DATABASE [CarDB] SET AUTO_SHRINK OFF
GO

ALTER DATABASE [CarDB] SET AUTO_UPDATE_STATISTICS ON
GO

ALTER DATABASE [CarDB] SET CURSOR_CLOSE_ON_COMMIT OFF
GO

ALTER DATABASE [CarDB] SET CURSOR_DEFAULT  GLOBAL
GO

ALTER DATABASE [CarDB] SET CONCAT_NULL_YIELDS_NULL OFF
GO

ALTER DATABASE [CarDB] SET NUMERIC_ROUNDABORT OFF
GO

ALTER DATABASE [CarDB] SET QUOTED_IDENTIFIER OFF
GO

ALTER DATABASE [CarDB] SET RECURSIVE_TRIGGERS OFF
GO

ALTER DATABASE [CarDB] SET  DISABLE_BROKER
GO

ALTER DATABASE [CarDB] SET AUTO_UPDATE_STATISTICS_ASYNC OFF
GO

ALTER DATABASE [CarDB] SET DATE_CORRELATION_OPTIMIZATION OFF
GO

ALTER DATABASE [CarDB] SET TRUSTWORTHY OFF
GO

ALTER DATABASE [CarDB] SET ALLOW_SNAPSHOT_ISOLATION OFF
GO

ALTER DATABASE [CarDB] SET PARAMETERIZATION SIMPLE
```

```
GO

ALTER DATABASE [CarDB] SET READ_COMMITTED_SNAPSHOT OFF
GO

ALTER DATABASE [CarDB] SET HONOR_BROKER_PRIORITY OFF
GO

ALTER DATABASE [CarDB] SET RECOVERY SIMPLE
GO

ALTER DATABASE [CarDB] SET  MULTI_USER
GO

ALTER DATABASE [CarDB] SET PAGE_VERIFY CHECKSUM
GO

ALTER DATABASE [CarDB] SET DB_CHAINING OFF
GO

ALTER DATABASE [CarDB] SET FILESTREAM( NON_TRANSACTED_ACCESS = OFF )
GO

ALTER DATABASE [CarDB] SET TARGET_RECOVERY_TIME = 60 SECONDS
GO

ALTER DATABASE [CarDB] SET DELAYED_DURABILITY = DISABLED
GO

ALTER DATABASE [CarDB] SET QUERY_STORE = OFF
GO

ALTER DATABASE [CarDB] SET  READ_WRITE
GO
```

Tablolar:

Car body types
```
USE [CarDB]
GO

/****** Object:  Table [dbo].[BodyType]    Script Date: 10/21/2019 10:23:19 PM ******/
SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
```

```
GO

CREATE TABLE [dbo].[BodyType](
        [Coupe] [nchar](10) NULL,
        [Sedan] [nchar](10) NULL,
        [5 doorHatchback] [nchar](10) NULL,
        [bodyID] [nchar](10) NOT NULL,
 CONSTRAINT [PK_BodyType] PRIMARY KEY CLUSTERED
(
        [bodyID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
```

Car brands
```
USE [CarDB]
GO

/****** Object:  Table [dbo].[Brands]    Script Date: 10/21/2019 10:23:57 PM ******/
SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

CREATE TABLE [dbo].[Brands](
        [Volvo] [nchar](10) NULL,
        [Audi] [nchar](10) NULL,
        [Volkswagen] [nchar](10) NULL,
        [Porsche] [nchar](10) NULL,
        [Chevrolet] [nchar](10) NULL,
        [brandID] [nchar](10) NOT NULL,
 CONSTRAINT [PK_Brands] PRIMARY KEY CLUSTERED
(
        [brandID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
```

Car buyers
```
USE [CarDB]
GO

/****** Object:  Table [dbo].[buyer]    Script Date: 10/21/2019 10:24:08 PM ******/
```

```
SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

CREATE TABLE [dbo].[buyer](
        [name] [nchar](10) NULL,
        [lastname] [nchar](10) NULL,
        [adress] [nchar](10) NULL,
        [tel] [nchar](10) NULL,
        [buyerID] [nchar](10) NOT NULL,
 CONSTRAINT [PK_buyer] PRIMARY KEY CLUSTERED
(
        [buyerID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
```
Cars
```
USE [CarDB]
GO

/****** Object:  Table [dbo].[Cars]    Script Date: 10/21/2019 10:26:27 PM ******/
SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

CREATE TABLE [dbo].[Cars](
        [Year] [nchar](10) NULL,
        [Model] [nchar](10) NULL,
        [Price] [nchar](10) NULL,
        [KM] [nchar](10) NULL,
        [carID] [nchar](10) NOT NULL,
        [body] [nchar](10) NULL,
        [brand] [nchar](10) NULL,
        [color] [nchar](10) NULL,
        [condition] [nchar](10) NULL,
        [gearBox] [nchar](10) NULL,
        [traction] [nchar](10) NULL,
        [buyer] [nchar](10) NULL,
        [seller] [nchar](10) NULL,
 CONSTRAINT [PK_Cars] PRIMARY KEY CLUSTERED
(
```

```
        [carID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO

ALTER TABLE [dbo].[Cars]  WITH CHECK ADD  CONSTRAINT [FK_Cars_BodyType]
FOREIGN KEY([body])
REFERENCES [dbo].[BodyType] ([bodyID])
GO

ALTER TABLE [dbo].[Cars] CHECK CONSTRAINT [FK_Cars_BodyType]
GO

ALTER TABLE [dbo].[Cars]  WITH CHECK ADD  CONSTRAINT [FK_Cars_Brands1]
FOREIGN KEY([brand])
REFERENCES [dbo].[Brands] ([brandID])
GO

ALTER TABLE [dbo].[Cars] CHECK CONSTRAINT [FK_Cars_Brands1]
GO

ALTER TABLE [dbo].[Cars]  WITH CHECK ADD  CONSTRAINT [FK_Cars_buyer]
FOREIGN KEY([buyer])
REFERENCES [dbo].[buyer] ([buyerID])
GO

ALTER TABLE [dbo].[Cars] CHECK CONSTRAINT [FK_Cars_buyer]
GO

ALTER TABLE [dbo].[Cars]  WITH CHECK ADD  CONSTRAINT [FK_Cars_Color] FOREIGN
KEY([color])
REFERENCES [dbo].[Color] ([colorID])
GO

ALTER TABLE [dbo].[Cars] CHECK CONSTRAINT [FK_Cars_Color]
GO

ALTER TABLE [dbo].[Cars]  WITH CHECK ADD  CONSTRAINT [FK_Cars_Condition]
FOREIGN KEY([condition])
REFERENCES [dbo].[Condition] ([conditionID])
GO

ALTER TABLE [dbo].[Cars] CHECK CONSTRAINT [FK_Cars_Condition]
GO
```

```sql
ALTER TABLE [dbo].[Cars]  WITH CHECK ADD  CONSTRAINT [FK_Cars_GearBox]
FOREIGN KEY([gearBox])
REFERENCES [dbo].[GearBox] ([gerBoxID])
GO


ALTER TABLE [dbo].[Cars] CHECK CONSTRAINT [FK_Cars_GearBox]
GO


ALTER TABLE [dbo].[Cars]  WITH CHECK ADD  CONSTRAINT [FK_Cars_seller] FOREIGN
KEY([seller])
REFERENCES [dbo].[seller] ([sellerID])
GO


ALTER TABLE [dbo].[Cars] CHECK CONSTRAINT [FK_Cars_seller]
GO


ALTER TABLE [dbo].[Cars]  WITH CHECK ADD  CONSTRAINT [FK_Cars_Traction]
FOREIGN KEY([traction])
REFERENCES [dbo].[Traction] ([tractionID])
GO


ALTER TABLE [dbo].[Cars] CHECK CONSTRAINT [FK_Cars_Traction]
GO
```

Car colors
```sql
USE [CarDB]
GO

/****** Object:  Table [dbo].[Color]    Script Date: 10/21/2019 10:26:12 PM ******/
SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

CREATE TABLE [dbo].[Color](
	[White] [nchar](10) NULL,
	[Black] [nchar](10) NULL,
	[Orange] [nchar](10) NULL,
	[colorID] [nchar](10) NOT NULL,
 CONSTRAINT [PK_Color] PRIMARY KEY CLUSTERED
(
	[colorID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
```

```
) ON [PRIMARY]
GO
```

Car conditions
```
USE [CarDB]
GO

/****** Object:  Table [dbo].[Condition]    Script Date: 10/21/2019 10:25:57 PM ******/
SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

CREATE TABLE [dbo].[Condition](
        [No damaged] [nchar](10) NULL,
        [Light damaged] [nchar](10) NULL,
        [Heavy damaged] [nchar](10) NULL,
        [Unusable] [nchar](10) NULL,
        [conditionID] [nchar](10) NOT NULL,
 CONSTRAINT [PK_Condition] PRIMARY KEY CLUSTERED
(
        [conditionID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
```

Car gearboxes
```
USE [CarDB]
GO

/****** Object:  Table [dbo].[GearBox]    Script Date: 10/21/2019 10:25:44 PM ******/
SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

CREATE TABLE [dbo].[GearBox](
        [Automatic] [nchar](10) NULL,
        [Semi-automatic] [nchar](10) NULL,
        [Manual] [nchar](10) NULL,
        [gerBoxID] [nchar](10) NOT NULL,
```

```
 CONSTRAINT [PK_GearBox] PRIMARY KEY CLUSTERED
(
        [gerBoxID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
```

Car sellers
```
USE [CarDB]
GO

/****** Object:  Table [dbo].[seller]    Script Date: 10/21/2019 10:25:31 PM ******/
SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

CREATE TABLE [dbo].[seller](
        [name] [nchar](10) NULL,
        [lastname] [nchar](10) NULL,
        [adress] [nchar](10) NULL,
        [tell] [nchar](10) NULL,
        [sellerID] [nchar](10) NOT NULL,
 CONSTRAINT [PK_seller] PRIMARY KEY CLUSTERED
(
        [sellerID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
```

Car tractions
```
USE [CarDB]
GO

/****** Object:  Table [dbo].[Traction]    Script Date: 10/21/2019 10:25:14 PM ******/
SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO
```

```sql
CREATE TABLE [dbo].[Traction](
        [4 weel traction] [nchar](10) NULL,
        [Rear traction] [nchar](10) NULL,
        [Front traction] [nchar](10) NULL,
        [tractionID] [nchar](10) NOT NULL,
 CONSTRAINT [PK_Traction] PRIMARY KEY CLUSTERED
(
        [tractionID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
```