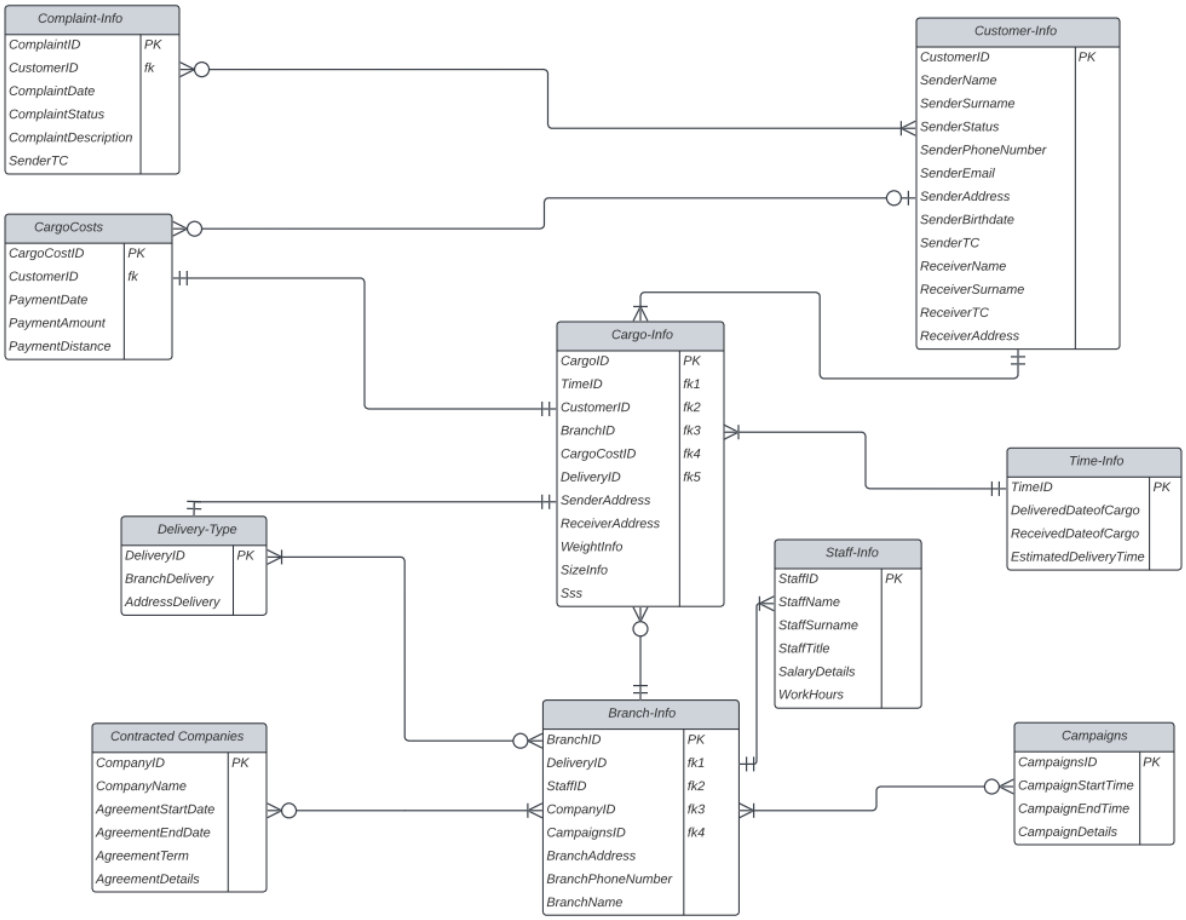
Berk Sebit-11916039 || Mehmet Ali Özkaya-11952033

SCOPE

Database Design

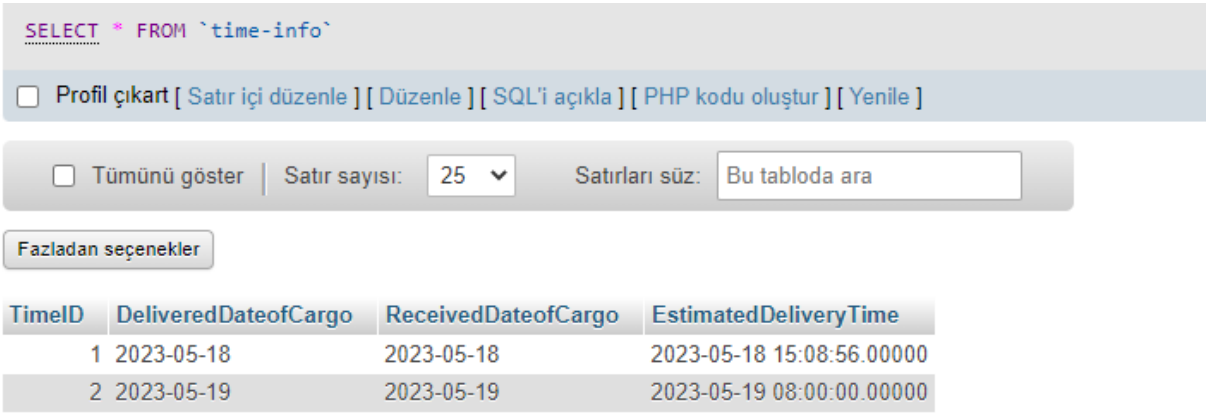


BM cargo database consists of 10 tables such as cargo information, branch information, customer information, etc. The entity relationships between some of these tables are as follows:

- We used zero or many symbol for the Cargo-Info table and one and only one for the Branch-Info table. Because each cargo can be associated with multiple branches (zero or many), and each branch can be associated with only one cargo (one and only one).
- We used one or many symbol for the Cargo-Info table and one and only one for the Customer-Info table. Because customers can have multiple shipments, but shipments cannot have more than one owner.
- We used one and only one symbol for both the Cargo-Info table and the CargoCosts table. Because each cargo has its own unique price.

We created our database from phpmyadmin. The BM cargo database consists of 10 tables, and we entered almost 2 data for each table.

(Database pictures)



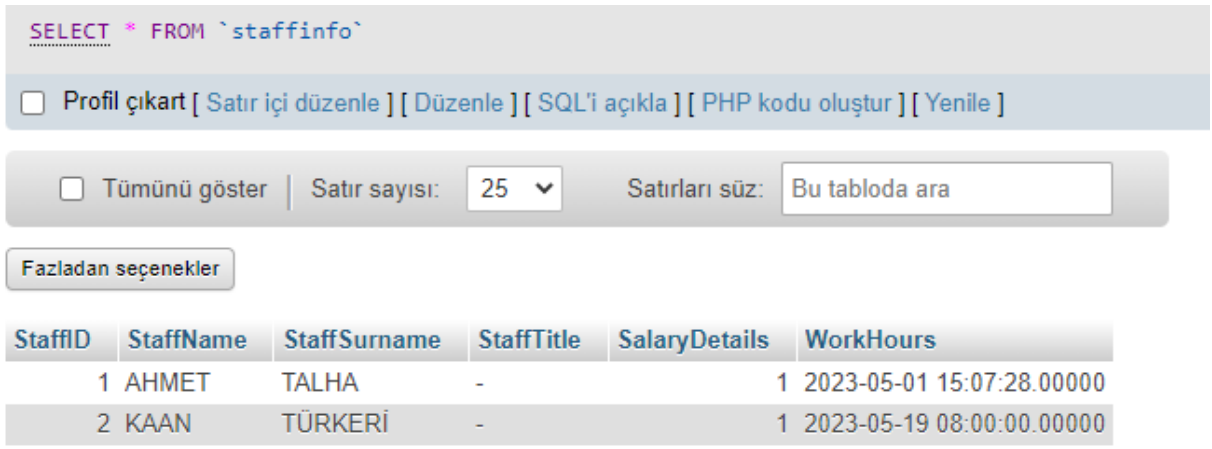
```
SELECT * FROM `time-info`
```

Profil çıkart [Satır içi düzenle] [Düzenle] [SQL'i açıkla] [PHP kodu oluştur] [Yenile]

Tümünü göster | Satır sayısı: 25 Satırları süz: Bu tabloda ara

Fazladan seçenekler

TimeID	DeliveredDateofCargo	ReceivedDateofCargo	EstimatedDeliveryTime
1	2023-05-18	2023-05-18	2023-05-18 15:08:56.00000
2	2023-05-19	2023-05-19	2023-05-19 08:00:00.00000



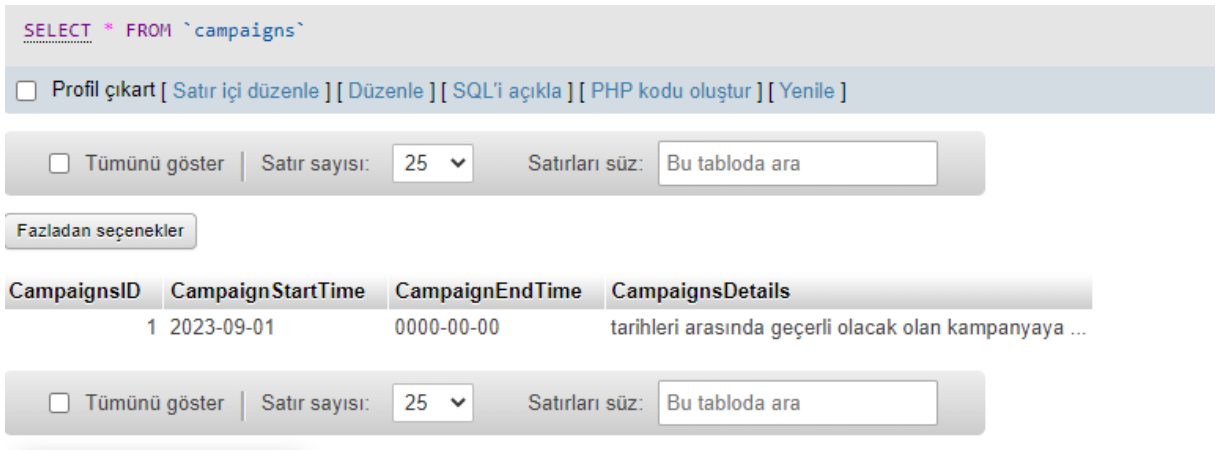
```
SELECT * FROM `staffinfo`
```

Profil çıkart [Satır içi düzenle] [Düzenle] [SQL'i açıkla] [PHP kodu oluştur] [Yenile]

Tümünü göster | Satır sayısı: 25 Satırları süz: Bu tabloda ara

Fazladan seçenekler

StaffID	StaffName	StaffSurname	StaffTitle	SalaryDetails	WorkHours
1	AHMET	TALHA	-	1	2023-05-01 15:07:28.00000
2	KAAN	TÜRKERİ	-	1	2023-05-19 08:00:00.00000



```
SELECT * FROM `campaigns`
```

Profil çıkart [Satır içi düzenle] [Düzenle] [SQL'i açıkla] [PHP kodu oluştur] [Yenile]

Tümünü göster | Satır sayısı: 25 Satırları süz: Bu tabloda ara

Fazladan seçenekler

CampaignsID	CampaignStartTime	CampaignEndTime	CampaignsDetails
1	2023-09-01	0000-00-00	tarihleri arasında geçerli olacak olan kampanyaya ...

Tümünü göster | Satır sayısı: 25 Satırları süz: Bu tabloda ara

```
SELECT * FROM `branch-info`
```

Profil çıkart [Satır içi düzenle] [Düzenle] [SQL'i açıkla] [PHP kodu oluştur] [Yenile]

Tümünü göster | Satır sayısı: 25 Satırları süz: Bu tabloda ara

Fazladan seçenekler

BranchID	DeliveryID	StaffID	CompanyID	CampaignsID	BranchAddress	BranchPhoneNumber	BranchName
341	1	1	1	0	Istanbul Umraniye	216 00 00 00	BM Cargo Umraniye
351	1	1	1	0	Izmir Bornova	216 00 00 00	BM Cargo Bornova
161	1	1	1	0	BM Cargo Nilüfer	216 00 00 00	BM Cargo Nilüfer Bursa
481	1	1	1	0	BM Cargo Bodrum	216 00 00 00	BM Cargo Bodrum Muğla

```
SELECT * FROM `customer-info`
```

Profil çıkart [Satır içi düzenle] [Düzenle] [SQL'i açıkla] [PHP kodu oluştur] [Yenile]

Tümünü göster | Satır sayısı: 25 Satırları süz: Bu tabloda ara

Fazladan seçenekler

CustomerID	SenderName	SenderSurname	SenderStatus	SenderPhoneNumber	SenderEmail	SenderAddress	SenderBirthdate	SenderTC	ReceiverName	ReceiverSurname	ReceiverTC	ReceiverAddress
1	BERK	SEBİT	1	532-00-00-00	bs@example.com	BM Cargo Umraniye Istanbul	2001-01-01	2192904883	MEHMET ALI	OZKAYA	2837920828	BM Cargo Bornova Izmir
2	AHMET	KAPLAN	1	532-00-00-01	ahmt@example.com	BM Cargo Nilüfer Bursa	2002-02-02	4798746929	BURCU	YILMAZ	89080486782	BM Cargo Bodrum Muğla

```
SELECT * FROM `complaint-info`
```

Profil çıkart [Satır içi düzenle] [Düzenle] [SQL'i açıkla] [PHP kodu oluştur] [Yenile]

Tümünü göster | Satır sayısı: 25 Satırları süz: Bu tabloda ara

Fazladan seçenekler

ComplaintID	CustomerID	ComplaintDate	ComplaintStatus	ComplaintDescription	SenderTC
0	0	0000-00-00	0	0	0

```
SELECT * FROM `contracted companies`
```

Profil çıkart [Satır içi düzenle] [Düzenle] [SQL'i açıkla] [PHP kodu oluştur] [Yenile]

Tümünü göster | Satır sayısı: 25 Satırları süz: Bu tabloda ara

Fazladan seçenekler

CompanyID	CompanyName	AgreementStartDate	AgreementEndDate	AgreementTerm	AgreementDetails
0	-	0000-00-00	0000-00-00	0000-00-00	0

```
SELECT * FROM `delivery-type`
```

Profil çıkart [Satır içi düzenle] [Düzenle] [SQL'i açıkla] [PHP kodu oluştur] [Yenile]

Tümünü göster | Satır sayısı: 25 Satırları süz: Bu tabloda ara

Fazladan seçenekler

DeliveryID	BranchDelivery	AddressDelivery
1	1	0
2	1	0

```
SELECT * FROM `cargocosts`
```

Profil çıkart [Satır içi düzenle] [Düzenle] [SQL'i açıkla] [PHP kodu oluştur] [Yenile]

Tümünü göster | Satır sayısı: 25 Satırları süz: Bu tabloda ara

Fazladan seçenekler

CargoCostID	CustomerID	PaymentDate	PaymentAmount	PaymentDistance
1	1	2023-05-18	1	1
2	2	2023-05-19	2	2

```
SELECT * FROM `cargo-info`
```

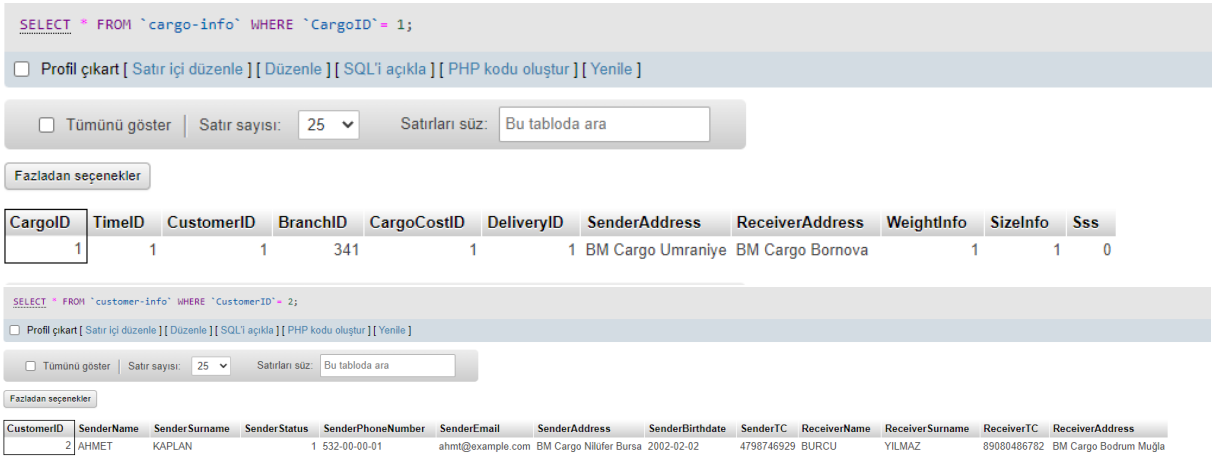
Profil çıkart [Satır içi düzenle] [Düzenle] [SQL'i açıkla] [PHP kodu oluştur] [Yenile]

Tümünü göster | Satır sayısı: 25 Satırları süz: Bu tabloda ara

Fazladan seçenekler

CargoID	TimeID	CustomerID	BranchID	CargoCostID	DeliveryID	SenderAddress	ReceiverAddress	WeightInfo	SizeInfo	Sss
1	1	1	341	1	1	BM Cargo Umraniye	BM Cargo Bornova	1	1	0
2	2	2	161	2	2	BM Cargo Nilüfer Bursa	BM Cargo Bodrum Muğla	2	2	0

(Database query pictures)



```
SELECT * FROM `cargo-info` WHERE `CargoID`= 1;
```

Profil çıkart [Satır içi düzenle] [Düzenle] [SQL'i açıkla] [PHP kodu oluştur] [Yenile]

Tümünü göster | Satır sayısı: 25 Satırları süz: Bu tabloda ara

Fazladan seçenekler

CargoID	TimeID	CustomerID	BranchID	CargoCostID	DeliveryID	SenderAddress	ReceiverAddress	WeightInfo	SizeInfo	Sss
1	1	1	341	1	1	BM Cargo Umraniye	BM Cargo Bornova	1	1	0


```
SELECT * FROM `customer-info` WHERE `CustomerID`= 2;
```

Profil çıkart [Satır içi düzenle] [Düzenle] [SQL'i açıkla] [PHP kodu oluştur] [Yenile]

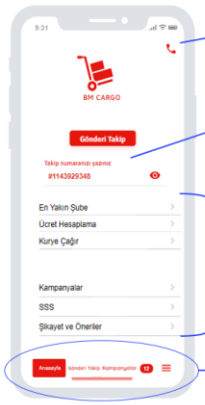
Tümünü göster | Satır sayısı: 25 Satırları süz: Bu tabloda ara

Fazladan seçenekler

CustomerID	SenderName	SenderSurname	SenderStatus	SenderPhoneNumber	SenderEmail	SenderAddress	SenderBirthdate	SenderTC	ReceiverName	ReceiverSurname	ReceiverTC	ReceiverAddress
2	AHMET	KAPLAN	1	532-00-00-01	ahmt@example.com	BM Cargo Nilüfer Bursa	2002-02-02	4798746929	BURCU	YILMAZ	89080486782	BM Cargo Bodrum Muğla

User Interface Design & Database Queries

Home Page



From here, quick access to BM Cargo customer service is provided.

```
SELECT CargoID  FROM  bmCargo_db.Cargo-Info  WHERE `CargoID ` == #1143929348(user's input);
```

We check the customer's cargo is on our database. If the cargo is in our database, redirected to the page with shipping information. If it isn't in our database, message will appear stating that there is no such cargo.

The customer directs it to other interfaces from here to perform the desired action.

From here, short and quick access to other pages is provided.

Shipping Information Page

From here, the customer has information about where and in which process the cargo is.

- `SELECT * FROM bmCargo_db. Time-Info WHERE `TimeID ` == (user's input from previous page);`
- `SELECT SenderName , SenderSurname, SenderAddress , ReceiverName , ReceiverSurname, ReceiverAddress FROM bmCargo_db.Customer-Info WHERE `CustomerID ` == (user's input from previous page);`
- `SELECT BranchPhoneNumber FROM bmCargo_db.Branch-Info WHERE `BranchID ` == (user's input from previous page);`

Using the tracking number of the cargo , we transferred the information of the sender and the receiver , as well as information about the cargo and the branch contact information from bmcargo database to the user interface.

From here, the customer can print the cargo information and contact the courier by calling the customer service.

Campaign Page

From here, short and quick access to other pages is provided.

```
SELECT * FROM  bmCargo_db. Campaigns ;
```

Information about the campaigns entered to bm cargo database by employees and the campaigns can display in the campaigns section of the mobile application.

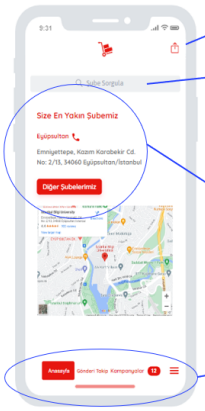
SSS Page

When the customer clicks on the question, the answer to the question drop down.

SELECT Sss FROM bmCargo_db.Cargo-Info ;
We show the answers to the frequently asked questions from the customers in the FAQ section.

From here, short and quick access to other pages is provided.

Nearest Branch Page



From here the customer can share the location of branch with other people.

The customer enters the location from here and sees the list of whether there is a branch there.
SELECT * FROM bmCargo_db.Branch-Info WHERE `BranchAddress ` == (user's input);
In this user interface, we aim to show the branch name, address and contact information to the customer.

When the customer clicks on button and phone icon , they can call branch or see other branch locations.
SELECT BranchPhoneNumber FROM bmCargo_db.Branch-Info WHERE `BranchID ` == (user's input);
SELECT BranchName,BranchPhoneNumber FROM bmCargo_db.Branch-Info WHERE `BranchAddress ` == (user's input);

From here, short and quick access to other pages is provided.

Fee Calculation Page

From here, short and quick access to other pages is provided.

From here, the customer chooses situations such as bringing the cargo to the branch herself or receiving it from the courier's home, and these are recorded in the database.

SELECT BranchDelivery FROM bmCargo_db.Delivery-Type;

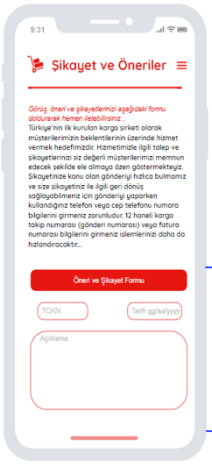
SELECT (c.SenderAddress - b.BranchAddress) AS Distance , cc.PaymentAmount FROM bmCargo_db.Customer-Info c , bmCargo_db.Branch-Info b , bmCargo_db.CargoCost cc WHERE Distance == cc.PaymentDistance;

Here, the payment amount is determined according to the distances, so we show the customer the prices in the database with the distance entered by the user.

SELECT Sss FROM bmCargo_db.Cargo-Info ;

From here, short and quick access to other pages is provided.

Complaint Page



INSERT INTO Complaint-Info(ComplaintDate,ComplaintDescription,SenderTC)
VALUES (user input);

The information entered by the customers is saved in the database and thus bm cargo aims to provide a better service.

Call a courier

INSERT INTO Customer-Info(SenderName,SenderSurname,SenderTC,SenderAddress)
VALUES (user input);

The information entered by the customers is recorded in the database, the remaining information is taken by the courier . Then the courier receives the cargo to make remaining process.