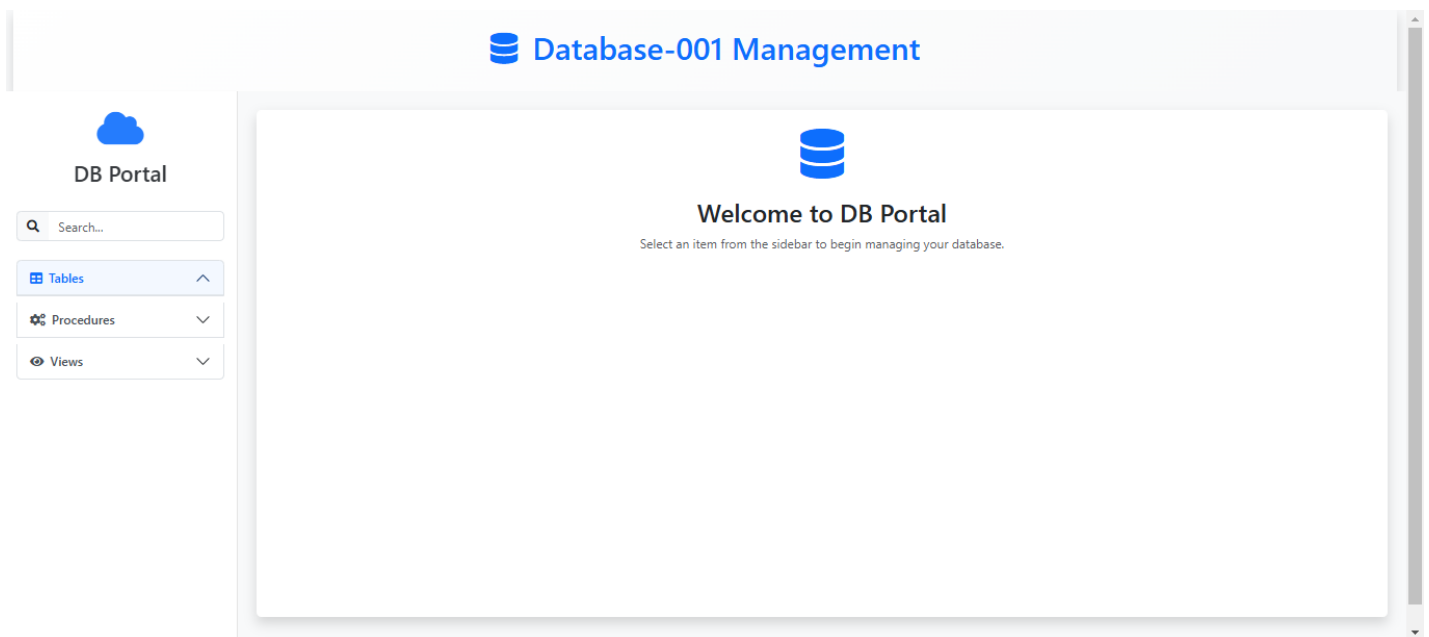# Database Project Step 4 Report: Web Interface

1. Introduction

In this phase of the project, we will design a user-friendly web interface to effectively use the database we created in phase 3. In this way, the changes we make in our interface are instantly reflected in our company database thanks to 20 procedures and these are displayed instantly with the help of tables in the web interface. In addition, from the views tab, you can access the total, average, maximum and minimum values of data such as company, employees, items, service status. Finally, you can easily reach the table, procedure or view you want to reach with the search bar.

2. Web Interface

When you first access the user interface it looks as follows. You can access current company database tables and information from the tables and views section on the left..
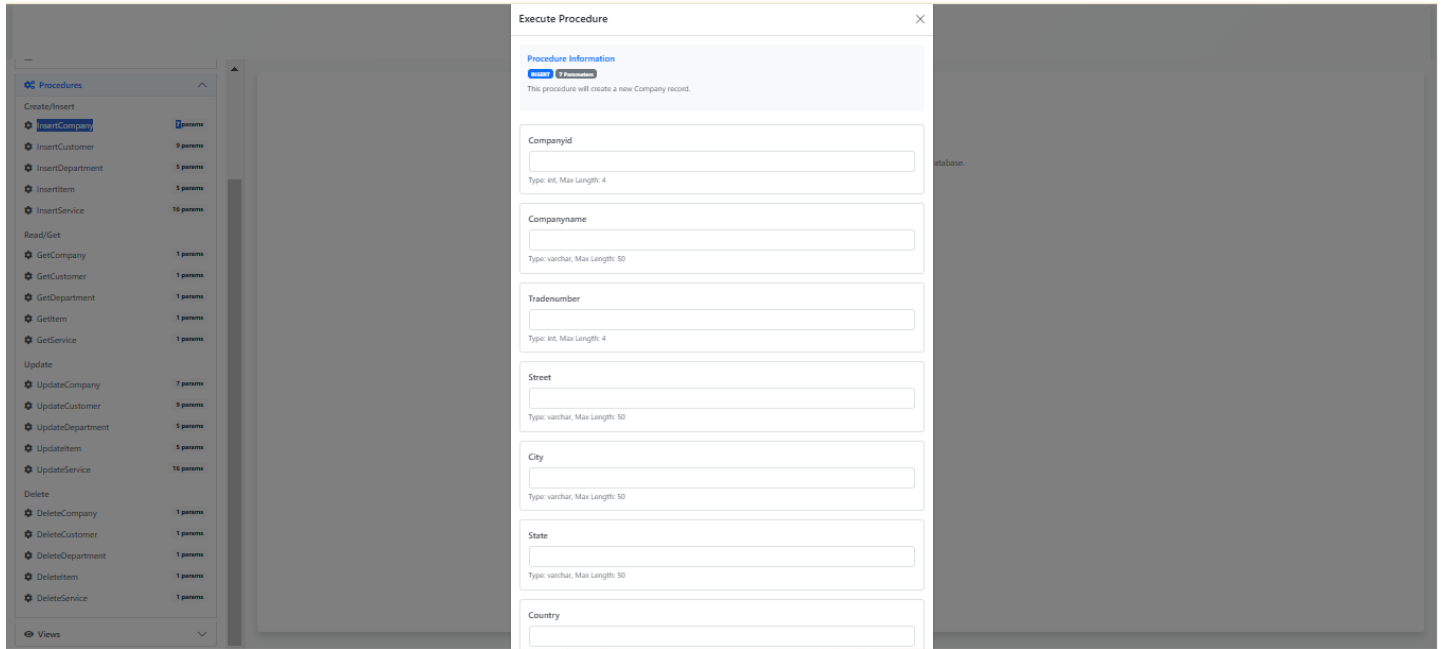

The procedures section contains procedures designed to perform a specific task or process for the   company. These procedures are divided into 4 as Create/Insert, Read/Get, Update and Delete.

2.1 Create/Insert Procedures

These procedures are used when creating or adding something to the company database.
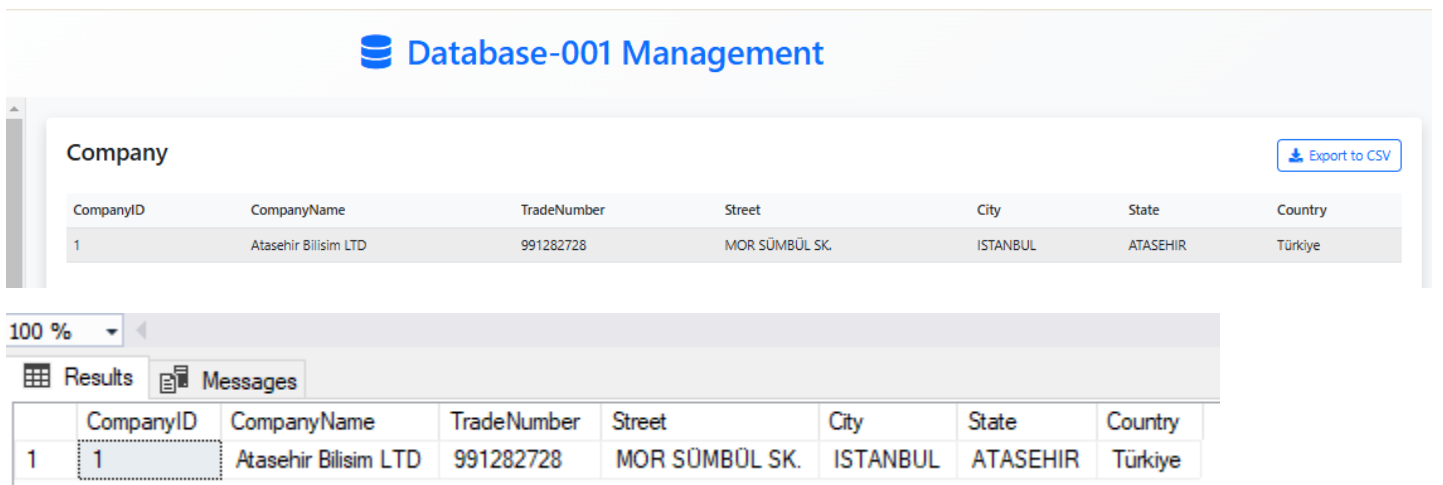
2.1.1 InsertCompany

In InsertCompany procedure, we ask the company for 7 parameters(Companyid, Companyname, Tradenumber, Street, City, State, Country) and add a new company to the company database. The web interface image is as follows;

Without any additional company entries, the company table of the company appears in the figures below;

If a new company is added with the information Companyid=2, Companyname=A, Tradenumber=12, Street=B, City=C, State=D, Country=E, the new display in the database will be as follows;

2.1.2 InsertCustomer

In InsertCustomer procedure, we ask the customer for 9 parameters(Customerid, Customername, Email, Telephoneno, Street, City, State, Country, Companyid) and add a new customer to the company database. The web interface image is as follows;

Before any customer registers to the system, the database looks like this:

Customer

CustomerID	CustomerName	Email	TelephoneNo	Street	City	State	Country	CompanyID
1	Ahmet Yilmaz	ahmet.yilmaz@gmail.com	+90 532 123 4567	Atatürk Bulvari No:45 D:3	Çankaya	Ankara	Türkiye	1
2	Ayse Kaya	ayse.kaya@hotmail.com	+90 532 987 6543	Konak Mahallesi	Inönü Caddesi No:12	Izmir	Türkiye	1
3	Fatma Demir	fatma.demir@yahoo.com	+90 531 456 7890	Liman Mahallesi	Lara Caddesi No:8	Antalya	Türkiye	1
4	Hüseyin Sahin	huseyin.sahin@outlook.com	+90 534 123 9876	Heykel Meydani	Osmangazi	Bursa	Türkiye	1
5	Murat Çelik	murat.celik@gmail.com	+90 535 654 3210	Bagdat Caddesi No:56	Kadiköy	Istanbul	Türkiye	1
6	Zeynep Arslan	zeynep.arslan@icloud.com	+90 530 112 2334	Kalkinma Mahallesi	Farabi Sokak No:7	Trabzon	Türkiye	1
7	Burak Özkan	burak.ozkan@gmail.com	+90 536 998 7654	Turgut Özal Bulvari No:89	Seyhan	Adana	Türkiye	1
8	Emine Kara	emine.kara@yahoo.com	+90 532 445 6677	Mevlana Caddesi No:34	Selçuklu	Konya	Türkiye	1
9	Sevgi Günes	sevgi.gunes@gmail.com	+90 531 765 4321	Akdeniz Mahallesi	Atatürk Caddesi No:22	Mersin	Türkiye	1
10	Ali Polat	ali.polat@outlook.com	+90 530 567 1234	Kale Mahallesi	Cumhuriyet Caddesi No:3	Samsun	Türkiye	1

100 % ▼

⊞ Results 🗐 Messages

	CustomerID	CustomerName	Email	TelephoneNo	Street	City	State	Country	CompanyID
1	1	Ahmet Yilmaz	ahmet.yilmaz@gmail.com	+90 532 123 4567	Atatürk Bulvari No:45 D:3	Çankaya	Ankara	Türkiye	1
2	2	Ayse Kaya	ayse.kaya@hotmail.com	+90 532 987 6543	Konak Mahallesi	Inönü Caddesi No:12	Izmir	Türkiye	1
3	3	Fatma Demir	fatma.demir@yahoo.com	+90 531 456 7890	Liman Mahallesi	Lara Caddesi No:8	Antalya	Türkiye	1
4	4	Hüseyin Sahin	huseyin.sahin@outlook.com	+90 534 123 9876	Heykel Meydani	Osmangazi	Bursa	Türkiye	1
5	5	Murat Çelik	murat.celik@gmail.com	+90 535 654 3210	Bagdat Caddesi No:56	Kadiköy	Istanbul	Türkiye	1
6	6	Zeynep Arslan	zeynep.arslan@icloud.com	+90 530 112 2334	Kalkinma Mahallesi	Farabi Sokak No:7	Trabzon	Türkiye	1
7	7	Burak Özkan	burak.ozkan@gmail.com	+90 536 998 7654	Turgut Özal Bulvari No:89	Seyhan	Adana	Türkiye	1
8	8	Emine Kara	emine.kara@yahoo.com	+90 532 445 6677	Mevlana Caddesi No:34	Selçuklu	Konya	Türkiye	1
9	9	Sevgi Günes	sevgi.gunes@gmail.com	+90 531 765 4321	Akdeniz Mahallesi	Atatürk Caddesi N...	Mersin	Türkiye	1
10	10	Ali Polat	ali.polat@outlook.com	+90 530 567 1234	Kale Mahallesi	Cumhuriyet Cadde...	Samsun	Türkiye	1

If a new customer is register with the information Customerid=0, Customername=A, Email=B, Telephoneno=C, Street=D, City=E, State=F, Country=G, Companyid=1, the new display in the database will be as follows;

Customer

CustomerID	CustomerName	Email	TelephoneNo	Street	City	State	Country	CompanyID
0	A	B	C	D	E	F	G	1
1	Ahmet Yilmaz	ahmet.yilmaz@gmail.com	+90 532 123 4567	Atatürk Bulvari No:45 D:3	Çankaya	Ankara	Türkiye	1
2	Ayse Kaya	ayse.kaya@hotmail.com	+90 532 987 6543	Konak Mahallesi	Inönü Caddesi No:12	Izmir	Türkiye	1
3	Fatma Demir	fatma.demir@yahoo.com	+90 531 456 7890	Liman Mahallesi	Lara Caddesi No:8	Antalya	Türkiye	1
4	Hüseyin Sahin	huseyin.sahin@outlook.com	+90 534 123 9876	Heykel Meydani	Osmangazi	Bursa	Türkiye	1
5	Murat Çelik	murat.celik@gmail.com	+90 535 654 3210	Bagdat Caddesi No:56	Kadiköy	Istanbul	Türkiye	1
6	Zeynep Arslan	zeynep.arslan@icloud.com	+90 530 112 2334	Kalkinma Mahallesi	Farabi Sokak No:7	Trabzon	Türkiye	1
7	Burak Özkan	burak.ozkan@gmail.com	+90 536 998 7654	Turgut Özal Bulvari No:89	Seyhan	Adana	Türkiye	1
8	Emine Kara	emine.kara@yahoo.com	+90 532 445 6677	Mevlana Caddesi No:34	Selçuklu	Konya	Türkiye	1
9	Sevgi Günes	sevgi.gunes@gmail.com	+90 531 765 4321	Akdeniz Mahallesi	Atatürk Caddesi No:22	Mersin	Türkiye	1
10	Ali Polat	ali.polat@outlook.com	+90 530 567 1234	Kale Mahallesi	Cumhuriyet Caddesi No:3	Samsun	Türkiye	1

100 %

⊞ Results   📄 Messages

	CustomerID	CustomerName	Email	TelephoneNo	Street	City	State	Country	CompanyID
1	0	A	B	C	D	E	F	G	1
2	1	Ahmet Yilmaz	ahmet.yilmaz@gmail.com	+90 532 123 4567	Atatürk Bulvari No:45 D:3	Çankaya	Ankara	Türkiye	1
3	2	Ayse Kaya	ayse.kaya@hotmail.com	+90 532 987 6543	Konak Mahallesi	Inönü Caddesi No:12	Izmir	Türkiye	1
4	3	Fatma Demir	fatma.demir@yahoo.com	+90 531 456 7890	Liman Mahallesi	Lara Caddesi No:8	Antalya	Türkiye	1
5	4	Hüseyin Sahin	huseyin.sahin@outlook.com	+90 534 123 9876	Heykel Meydani	Osmangazi	Bursa	Türkiye	1
6	5	Murat Çelik	murat.celik@gmail.com	+90 535 654 3210	Bagdat Caddesi No:56	Kadiköy	Istanbul	Türkiye	1
7	6	Zeynep Arslan	zeynep.arslan@icloud.com	+90 530 112 2334	Kalkinma Mahallesi	Farabi Sokak No:7	Trabzon	Türkiye	1
8	7	Burak Özkan	burak.ozkan@gmail.com	+90 536 998 7654	Turgut Özal Bulvari No:89	Seyhan	Adana	Türkiye	1
9	8	Emine Kara	emine.kara@yahoo.com	+90 532 445 6677	Mevlana Caddesi No:34	Selçuklu	Konya	Türkiye	1
10	9	Sevgi Günes	sevgi.gunes@gmail.com	+90 531 765 4321	Akdeniz Mahallesi	Atatürk Caddesi No:22	Mersin	Türkiye	1
11	10	Ali Polat	ali.polat@outlook.com	+90 530 567 1234	Kale Mahallesi	Cumhuriyet Caddesi No:3	Samsun	Türkiye	1

2.1.3 InsertDepartment

In InsertDepartment procedure, we ask the department for 5 parameters(Departmentno, Departmentname, Noofemployees, Mission, Companyid) and add a new department to the company database. The web interface image is as follows;

Execute Procedure ✕

Procedure Information

INSERT 5 Parameters

This procedure will create a new Department record.

Departmentno

Type: int, Max Length: 4

Departmentname

Type: varchar, Max Length: 50

Noofemployees

Type: int, Max Length: 4

Mission

Type: varchar, Max Length: 100

Companyid

Type: int, Max Length: 4

Before any other departments registers to the system, the database looks like this:

Department

DepartmentNo	DepartmentName	NoOfEmployees	Mission	CompanyID
1	Administration	10	To oversee daily operations and coordination	1
2	Cloud Services	50	To provide reliable cloud-based solutions and support	1
3	Network Management	40	To maintain and optimize network infrastructure	1
4	Software Repair	30	To troubleshoot and fix software-related issues	1
5	Hardware Repair	25	To repair and maintain hardware devices	1
6	Security Systems	35	To ensure robust security and protection against threats	1
7	Software Development	45	To design and build innovative software solutions	1
8	Data Analytics	20	To analyze data for insights and decision-making	1
9	Customer Support	50	To assist customers with their technical and service-related issues	1
10	Testing and Quality Assurance	25	To test and ensure the quality of services and products	1
11	Research and Development	15	To innovate and develop next-generation technologies	1
12	Human Resources	10	To manage and support the company's workforce	1
13	Finance and Accounting	5	To handle financial transactions and reporting	1
14	Marketing and Sales	15	To promote and sell the company's products and services	1
15	Legal and Compliance	5	To ensure legal compliance and protect the company's interests	1

▦ Results   📄 Messages

	DepartmentNo	DepartmentName	NoOfEmployees	Mission	CompanyID
1	1	Administration	10	To oversee daily operations and coordination	1
2	2	Cloud Services	50	To provide reliable cloud-based solutions and supp…	1
3	3	Network Management	40	To maintain and optimize network infrastructure	1
4	4	Software Repair	30	To troubleshoot and fix software-related issues	1
5	5	Hardware Repair	25	To repair and maintain hardware devices	1
6	6	Security Systems	35	To ensure robust security and protection against th…	1
7	7	Software Development	45	To design and build innovative software solutions	1
8	8	Data Analytics	20	To analyze data for insights and decision-making	1
9	9	Customer Support	50	To assist customers with their technical and servic…	1
10	10	Testing and Quality Assurance	25	To test and ensure the quality of services and prod…	1
11	11	Research and Development	15	To innovate and develop next-generation technolo…	1
12	12	Human Resources	10	To manage and support the company's workforce	1
13	13	Finance and Accounting	5	To handle financial transactions and reporting	1
14	14	Marketing and Sales	15	To promote and sell the company's products and s…	1
15	15	Legal and Compliance	5	To ensure legal compliance and protect the comp…	1

If a new department is register with the Departmentno=0, Departmentname=A, Noofemployees=5, Mission=B, Companyid=1, the new display in the database will be as follows;

Department

DepartmentNo	DepartmentName	NoOfEmployees	Mission	CompanyID
0	A	5	B	1
1	Administration	10	To oversee daily operations and coordination	1
2	Cloud Services	50	To provide reliable cloud-based solutions and support	1
3	Network Management	40	To maintain and optimize network infrastructure	1
4	Software Repair	30	To troubleshoot and fix software-related issues	1
5	Hardware Repair	25	To repair and maintain hardware devices	1
6	Security Systems	35	To ensure robust security and protection against threats	1
7	Software Development	45	To design and build innovative software solutions	1
8	Data Analytics	20	To analyze data for insights and decision-making	1
9	Customer Support	50	To assist customers with their technical and service-related issues	1
10	Testing and Quality Assurance	25	To test and ensure the quality of services and products	1
11	Research and Development	15	To innovate and develop next-generation technologies	1
12	Human Resources	10	To manage and support the company's workforce	1
13	Finance and Accounting	5	To handle financial transactions and reporting	1
14	Marketing and Sales	15	To promote and sell the company's products and services	1
15	Legal and Compliance	5	To ensure legal compliance and protect the company's interests	1

2.1.4 InsertItem

In InsertItem procedure, we want the 5 parameters from item(Itemid, Itemname, Quantity, Price Companyid) and add a new item to the company database. The web interface image is as follows;

Execute Procedure ✕

Procedure Information

`INSERT` `5 Parameters`

This procedure will create a new Item record.

Itemid

Type: int, Max Length: 4

Itemname

Type: varchar, Max Length: 50

Quantity

Type: int, Max Length: 4

Price

Type: int, Max Length: 4

Companyid

Type: int, Max Length: 4

Without any additional item entries, the items table of the company appears in the figures below;

Item   ⤓ Export to CSV

ItemID	ItemName	Quantity	Price	CompanyID
1	Laptop	10	1200	1
2	Smartphone	20	800	1
3	Monitor	15	300	1
4	Keyboard	50	20	1
5	Mouse	60	15	1
6	Printer	12	150	1
7	Router	25	75	1
8	External Hard Drive	18	90	1
9	Tablet	30	250	1
10	Headphones	40	50	1

	ItemID	ItemName	Quantity	Price	CompanyID
1	1	Laptop	10	1200	1
2	2	Smartphone	20	800	1
3	3	Monitor	15	300	1
4	4	Keyboard	50	20	1
5	5	Mouse	60	15	1
6	6	Printer	12	150	1
7	7	Router	25	75	1
8	8	External Hard Drive	18	90	1
9	9	Tablet	30	250	1
10	10	Headphones	40	50	1

If a new item is register with the information with Itemid=0, Itemname=A, Quantity=5, Price=10 and Companyid=1, the new display in the database will be as follows;

Item   ⤓ Export to CSV

ItemID	ItemName	Quantity	Price	CompanyID
0	A	5	10	1
1	Laptop	10	1200	1
2	Smartphone	20	800	1
3	Monitor	15	300	1
4	Keyboard	50	20	1
5	Mouse	60	15	1
6	Printer	12	150	1
7	Router	25	75	1
8	External Hard Drive	18	90	1
9	Tablet	30	250	1
10	Headphones	40	50	1

	ItemID	ItemName	Quantity	Price	CompanyID
1	0	A	5	10	1
2	1	Laptop	10	1200	1
3	2	Smartphone	20	800	1
4	3	Monitor	15	300	1
5	4	Keyboard	50	20	1
6	5	Mouse	60	15	1
7	6	Printer	12	150	1
8	7	Router	25	75	1
9	8	External Hard Drive	18	90	1
10	9	Tablet	30	250	1

2.1.5 InsertService

In InsertService procedure, we want the service for 16 parameters(Serviceid, Name, Startdate, Enddate, Price, Status, City, State, Country, Cloud, Security, Repair, Network, Softwaredev, Companyid, Departmentno) and add a new service to the company database. The web interface image is as follows;

Execute Procedure   ✕

Procedure Information

INSERT   16 Parameters

This procedure will create a new Service record.

Serviceid

Type: int, Max Length: 4

Name

Type: varchar, Max Length: 50

Startdate

gg.aa.yyyy   🗓

Type: date, Max Length: 3

Enddate

gg.aa.yyyy   🗓

Type: date, Max Length: 3

Price

Without any additional services entries, the services table of the company appears in the figures below;

	ServiceID	Name	StartDate	EndDate	Price	Status	City	State	Country	Cloud	Security	Repair	Network	SoftwareDev	Duration	CompanyIE
1	1	test	2025-01-04	2025-01-11	100	Active	Istanbul	Atasehir	Türkiye	Cloud	NULL	NULL	NULL	NULL	7	1
2	2001	Cloud Hosting	2023-01-01	2023-01-14	5000	Completed	Istanbul	Marmara	Turkey	Cloud	nan	nan	nan	nan	13	1
3	2002	Cloud Backup Services	2023-02-01	2023-02-13	4500	Completed	Izmir	Izmir	Turkey	Cloud	nan	nan	nan	nan	12	1
4	2003	Cloud Storage	2023-03-01	2023-03-14	3500	Completed	Ankara	Ankara	Turkey	Cloud	nan	nan	nan	nan	13	1
5	2004	Cloud Application Hosting	2023-04-01	2023-04-13	4000	Completed	Istanbul	Marmara	Turkey	Cloud	nan	nan	nan	nan	12	1
6	2005	Cloud Security Solutions	2023-05-01	2023-05-14	5000	Completed	Izmir	Izmir	Turkey	Cloud	nan	nan	nan	nan	13	1

If a new services is register with the information Serviceid=0, Name=A, Startdate=13.12.2002, Enddate=05.05.2004, Price=2, Status=B, City=C, State=D, Country=E, Cloud=NULL, Security=NULL, Repair=NULL, Network=NULL, Softwaredev=F, Companyid=1, Departmentno=1, the new display in the database will be as follows;

	ServiceID	Name	StartDate	EndDate	Price	Status	City	State	Country	Cloud	Security	Repair	Network	SoftwareDev	Duration	CompanyIE
1	0	A	2002-12-13	2004-05-05	2	B	C	D	E	NULL	NULL	NULL	NULL	F	509	1
2	1	test	2025-01-04	2025-01-11	100	Active	Istanbul	Atasehir	Türkiye	Cloud	NULL	NULL	NULL	NULL	7	1
3	2001	Cloud Hosting	2023-01-01	2023-01-14	5000	Completed	Istanbul	Marmara	Turkey	Cloud	nan	nan	nan	nan	13	1
4	2002	Cloud Backup Services	2023-02-01	2023-02-13	4500	Completed	Izmir	Izmir	Turkey	Cloud	nan	nan	nan	nan	12	1
5	2003	Cloud Storage	2023-03-01	2023-03-14	3500	Completed	Ankara	Ankara	Turkey	Cloud	nan	nan	nan	nan	13	1
6	2004	Cloud Application Hosting	2023-04-01	2023-04-13	4000	Completed	Istanbul	Marmara	Turkey	Cloud	nan	nan	nan	nan	12	1
7	2005	Cloud Security Solutions	2023-05-01	2023-05-14	5000	Completed	Izmir	Izmir	Turkey	Cloud	nan	nan	nan	nan	13	1

2.2   Read/Get Procedures

A stored procedure that performs a specific task on a database and is usually read-only.

2.2.1 GetCompany

In GetCompany procedure, we ask the company just for 1 parameters(Companyid) and show the company. The web interface image is as follows;

If a company with CompanyID number 1 is displayed, we get the following image;

CompanyID	CompanyName	TradeNumber	Street	City	State	Country
1	1	Atasehir Bilisim LTD	991282728	MOR SÜMBÜL SK.	ISTANBUL	ATASEHIR	Türkiye

2.2.2 GetCustomer

In GetCostomer procedure, we ask the customer just for 1 parameters(Customerid) and show the company. The web interface image is as follows;

Execute Procedure   ✕

Procedure Information

SELECT 1 Parameters

This procedure will retrieve Customer data.

Customerid

[   ]

Type: int, Max Length: 4

Cancel   Execute

If a customer with CustomerID number 1 is displayed, we get the following image;

Procedure Results   ✕

Result Set 1

CustomerID	CustomerName	Email	TelephoneNo	Street	City	State	C
1	Ahmet Yilmaz	ahmet.yilmaz@gmail.com	+90 532 123 4567	Atatürk Bulvari No:45 D:3	Çankaya	Ankara	T

Close

	CustomerID	CustomerName	Email	TelephoneNo	Street	City	State	Country	CompanyID
1	0	A	B	C	D	E	F	G	1
2	1	Ahmet Yilmaz	ahmet.yilmaz@gmail.com	+90 532 123 4567	Atatürk Bulvari No:45 D:3	Çankaya	Ankara	Türkiye	1

2.2.3 GetDepartment

In GetDepartment procedure, we ask the department just for 1 parameters(Departmentid) and show thedepartment. The web interface image is as follows;

Execute Procedure ✕

Procedure Information

`SELECT` `1 Parameters`

This procedure will retrieve Department data.

Departmentno

[   ]

Type: int, Max Length: 4

Cancel **Execute**

If a department with DepartmentID number 1 is displayed, we get the following image;

Procedure Results ✕

Result Set 1

DepartmentNo	DepartmentName	NoOfEmployees	Mission	CompanyID
1	Administration	10	To oversee daily operations and coordination	1

Close

	DepartmentNo	DepartmentName	NoOfEmployees	Mission	CompanyID
1	0	A	5	B	1
2	1	Administration	10	To oversee daily operations and coordination	1

2.2.4 GetItem

In GetItem procedure, we want the item just for 1 parameters(Itemid) and show the item. The web interface image is as follows;

Execute Procedure   ✕

Procedure Information

[SELECT] [1 Parameters]

This procedure will retrieve Item data.

Itemid

[   ]

Type: int, Max Length: 4

Cancel   **Execute**

If a item with ItemID number 1 is displayed, we get the following image;

Procedure Results   ✕

Result Set 1

ItemID	ItemName	Quantity	Price	CompanyID
1	Laptop	10	1200	1

Close

	ItemID	ItemName	Quantity	Price	CompanyID
1	0	A	5	10	1
2	1	Laptop	10	1200	1

2.2.5 GetService

In GetService procedure, we want the item just for 1 parameters(Serviceid) and show the service. The web interface image is as follows;

Execute Procedure ✕

Procedure Information

`SELECT` `1 Parameters`

This procedure will retrieve Service data.

Serviceid

Type: int, Max Length: 4

Cancel   Execute

If a service with ServiceID number 1 is displayed, we get the following image;

Procedure Results ✕

Result Set 1

ServiceID	Name	StartDate	EndDate	Price	Status	City	State	Country	Cloud	Security
1	test	2025-01-04	2025-01-11	100	Active	Istanbul	Atasehir	Türkiye	Cloud	*NULL*

Close

	ServiceID	Name	StartDate	EndDate	Price	Status	City	State	Country	Cloud	Security	Repair	Network	SoftwareDev	Duration	CompanyII
1	0	A	2002-12-13	2004-05-05	2	B	C	D	E	NULL	NULL	NULL	NULL	F	509	1
2	1	test	2025-01-04	2025-01-11	100	Active	Istanbul	Atasehir	Türkiye	Cloud	NULL	NULL	NULL	NULL	7	1

2.3   Update Procedures

Creates update procedures for incorrect or incomplete data entered in the update procedure

2.3.1 UpdateCompany

In UpdateCompany, we ask the company for 7 parameters(Companyid, Companyname, Tradenumber, Street, City, State, Country) and update information a company to the company database. The web interface image is as follows;

Without any additional company uptades, the company table of the company appears in the figures below;

CompanyID	CompanyName	TradeNumber	Street	City	State	Country
1	Atasehir Bilisim LTD	991282728	MOR SÜMBÜL SK.	ISTANBUL	ATASEHIR	Türkiye
2	A	12	B	C	D	E

If we update the company name of the company with CompanyID number 2 to AAAA, the new display in the database will be as follows;

CompanyID	CompanyName	TradeNumber	Street	City	State	Country
1	Atasehir Bilisim LTD	991282728	MOR SÜMBÜL SK.	ISTANBUL	ATASEHIR	Türkiye
2	AAAA	12	B	C	D	E

2.3.2 UpdateCustomer

In UpdateCustomer procedure, we ask the customer for 9 parameters(Customerid, Customername, Email, Telephoneno, Street, City, State, Country, Companyid) and update information a customer to the company database.. The web interface image is as follows;

Execute Procedure ✕

Procedure Information

`UPDATE` `0 Parameters`

This procedure will modify existing Customer data.

Customerid

[   ]

Type: int, Max Length: 4

Customername

[   ]

Type: varchar, Max Length: 50

Email

[   ]

Type: varchar, Max Length: 50

Telephoneno

[   ]

Type: varchar, Max Length: 50

Street

[   ]

Type: varchar, Max Length: 50

City

[   ]

Type: varchar, Max Length: 50

Without any additional customer uptades, the customer table of the company appears in the figures below;

Customer   ⬇ Export to CSV

CustomerID	CustomerName	Email	TelephoneNo	Street	City	State	Country	CompanyID
0	A	B	C	D	E	F	G	1
1	Ahmet Yilmaz	ahmet.yilmaz@gmail.com	+90 532 123 4567	Atatürk Bulvari No:45 D:3	Çankaya	Ankara	Türkiye	1
2	Ayse Kaya	ayse.kaya@hotmail.com	+90 532 987 6543	Konak Mahallesi	Inönü Caddesi No:12	Izmir	Türkiye	1
3	Fatma Demir	fatma.demir@yahoo.com	+90 531 456 7890	Liman Mahallesi	Lara Caddesi No:8	Antalya	Türkiye	1
4	Hüseyin Sahin	huseyin.sahin@outlook.com	+90 534 123 9876	Heykel Meydani	Osmangazi	Bursa	Türkiye	1

	CustomerID	CustomerName	Email	TelephoneNo	Street	City	State	Country	CompanyID
1	0	A	B	C	D	E	F	G	1
2	1	Ahmet Yilmaz	ahmet.yilmaz@gmail.com	+90 532 123 4567	Atatürk Bulvari No:45 D:3	Çankaya	Ankara	Türkiye	1
3	2	Ayse Kaya	ayse.kaya@hotmail.com	+90 532 987 6543	Konak Mahallesi	Inönü Caddesi No:12	Izmir	Türkiye	1
4	3	Fatma Demir	fatma.demir@yahoo.com	+90 531 456 7890	Liman Mahallesi	Lara Caddesi No:8	Antalya	Türkiye	1

If we update the customer city of the customer with CompanyID number 1 to AAAA, the new display in the database will be as follows;

Customer

CustomerID	CustomerName	Email	TelephoneNo	Street	City	State	Country	CompanyID
0	A	B	C	D	E	F	G	1
1	Ahmet Yilmaz	ahmet.yilmaz@gmail.com	+90 0532 123 4567	Atatürk Bulvari No:45 D:3	AAAA	Ankara	Türkiye	1
2	Ayse Kaya	ayse.kaya@hotmail.com	+90 532 987 6543	Konak Mahallesi	Inönü Caddesi No:12	Izmir	Türkiye	1
3	Fatma Demir	fatma.demir@yahoo.com	+90 531 456 7890	Liman Mahallesi	Lara Caddesi No:8	Antalya	Türkiye	1
4	Hüseyin Sahin	huseyin.sahin@outlook.com	+90 534 123 9876	Heykel Meydani	Osmangazi	Bursa	Türkiye	1

	CustomerID	CustomerName	Email	TelephoneNo	Street	City	State	Country	CompanyID
1	0	A	B	C	D	E	F	G	1
2	1	Ahmet Yilmaz	ahmet.yilmaz@gmail.com	+90 0532 123 4567	Atatürk Bulvari No:45 D:3	AAAA	Ankara	Türkiye	1
3	2	Ayse Kaya	ayse.kaya@hotmail.com	+90 532 987 6543	Konak Mahallesi	Inönü Caddesi No:12	Izmir	Türkiye	1
4	3	Fatma Demir	fatma.demir@yahoo.com	+90 531 456 7890	Liman Mahallesi	Lara Caddesi No:8	Antalya	Türkiye	1
5	4	Hüseyin Sahin	huseyin.sahin@outlook.com	+90 534 123 9876	Heykel Meydani	Osmangazi	Bursa	Türkiye	1

2.3.3 UpdateDepartment

In UpdateDepartment procedure, we ask the customer 5 parameters(Departmentno, Departmentname, Noofemployees, Mission, Companyid) and update information a department to the company database.. The web interface image is as follows;

Execute Procedure ✕

Procedure Information

UPDATE 5 Parameters

This procedure will modify existing Department data.

Departmentno

Type: int, Max Length: 4

Departmentname

Type: varchar, Max Length: 50

Noofemployees

Type: int, Max Length: 4

Mission

Type: varchar, Max Length: 100

Companyid

Type: int, Max Length: 4

Cancel   Execute

Without any additional department uptades, the department table of the company appears in the figures below;

Department   ⬇ Export to CSV

DepartmentNo	DepartmentName	NoOfEmployees	Mission	CompanyID
0	A	5	B	1
1	Administration	10	To oversee daily operations and coordination	1
2	Cloud Services	50	To provide reliable cloud-based solutions and support	1
3	Network Management	40	To maintain and optimize network infrastructure	1
4	Software Repair	30	To troubleshoot and fix software-related issues	1

	DepartmentNo	DepartmentName	NoOfEmployees	Mission	CompanyID
1	0	A	5	B	1
2	1	Administration	10	To oversee daily operations and coordination	1
3	2	Cloud Services	50	To provide reliable cloud-based solutions and support	1
4	3	Network Management	40	To maintain and optimize network infrastructure	1
5	4	Software Repair	30	To troubleshoot and fix software-related issues	1

If we update the DepartmentName of the customer with DepartmentID number 0 to AAAA, the new display in the database will be as follows;

Department   ⬇ Export to CSV

DepartmentNo	DepartmentName	NoOfEmployees	Mission	CompanyID
0	AAAA	5	B	1
1	Administration	10	To oversee daily operations and coordination	1
2	Cloud Services	50	To provide reliable cloud-based solutions and support	1
3	Network Management	40	To maintain and optimize network infrastructure	1
4	Software Repair	30	To troubleshoot and fix software-related issues	1

	DepartmentNo	DepartmentName	NoOfEmployees	Mission	CompanyID
1	0	AAAA	5	B	1
2	1	Administration	10	To oversee daily operations and coordination	1
3	2	Cloud Services	50	To provide reliable cloud-based solutions and support	1
4	3	Network Management	40	To maintain and optimize network infrastructure	1
5	4	Software Repair	30	To troubleshoot and fix software-related issues	1

2.3.4 UpdateItem

In UpdateItem procedure, we ask the customer 5 parameters from item(Itemid, Itemname, Quantity, Price Companyid) and update information a item to the company database.. The web interface image is as follows;

Execute Procedure ✕

Procedure Information

UPDATE 5 Parameters

This procedure will modify existing Item data.

Itemid

Type: int, Max Length: 4

Itemname

Type: varchar, Max Length: 50

Quantity

Type: int, Max Length: 4

Price

Type: int, Max Length: 4

Companyid

Type: int, Max Length: 4

Cancel Execute

Without any additional item uptades, the item table of the company appears in the figures below;

Item

⬇ Export to CSV

ItemID	ItemName	Quantity	Price	CompanyID
0	A	5	10	1
1	Laptop	10	1200	1
2	Smartphone	20	800	1
3	Monitor	15	300	1
4	Keyboard	50	20	1
5	Mouse	60	15	1

	ItemID	ItemName	Quantity	Price	CompanyID
1	0	A	5	10	1
2	1	Laptop	10	1200	1
3	2	Smartphone	20	800	1
4	3	Monitor	15	300	1
5	4	Keyboard	50	20	1
6	5	Mouse	60	15	1

If we update the ItemName of the customer with ItemID number 0 to AAAA, the new display in the database will be as follows;

Item

⬇ Export to CSV

ItemID	ItemName	Quantity	Price	CompanyID
0	AAAA	5	10	1
1	Laptop	10	1200	1
2	Smartphone	20	800	1
3	Monitor	15	300	1
4	Keyboard	50	20	1
5	Mouse	60	15	1

	ItemID	ItemName	Quantity	Price	CompanyID
1	0	AAAA	5	10	1
2	1	Laptop	10	1200	1
3	2	Smartphone	20	800	1
4	3	Monitor	15	300	1
5	4	Keyboard	50	20	1
6	5	Mouse	60	15	1

2.3.5 UpdateService

In UpdateService procedure, we ask the service 16 parameters(Serviceid, Name, Startdate, Enddate, Price, Status, City, State, Country, Cloud, Security, Repair, Network, Softwaredev, Companyid, Departmentno) and update information a service to the company database.. The web interface image is as follows;

Execute Procedure ✕

Procedure Information

UPDATE **16 Parameters**

This procedure will modify existing Service data.

Serviceid

Type: int, Max Length: 4

Name

Type: varchar, Max Length: 50

Startdate

gg.aa.yyyy 📅

Type: date, Max Length: 3

Enddate

gg.aa.yyyy 📅

Type: date, Max Length: 3

Price

Without any additional service uptades, the service table of the company appears in the figures below;

Service   ⬇ Export to CSV

ServiceID	Name	StartDate	EndDate	Price	Status	City	State	Country	Cloud	Security	Repair	Network	SoftwareDev	Duration	CompanyID	DepartmentNo
0	A	2002-12-13	2004-05-05	2	B	C	D	E	NULL	NULL	NULL	NULL	F	509	1	1
1	test	2025-01-04	2025-01-11	100	Active	Istanbul	Atasehir	Türkiye	Cloud	NULL	NULL	NULL	NULL	7	1	1
2001	Cloud Hosting	2023-01-01	2023-01-14	5000	Completed	Istanbul	Marmara	Turkey	Cloud	nan	nan	nan	nan	13	1	2
2002	Cloud Backup Services	2023-02-01	2023-02-13	4500	Completed	Izmir	Izmir	Turkey	Cloud	nan	nan	nan	nan	12	1	2

	ServiceID	Name	StartDate	EndDate	Price	Status	City	State	Country	Cloud	Security	Repair	Network	SoftwareDev	Duration	CompanyII
1	0	A	2002-12-13	2004-05-05	2	B	C	D	E	NULL	NULL	NULL	NULL	F	509	1
2	1	test	2025-01-04	2025-01-11	100	Active	Istanbul	Atasehir	Türkiye	Cloud	NULL	NULL	NULL	NULL	7	1
3	2001	Cloud Hosting	2023-01-01	2023-01-14	5000	Completed	Istanbul	Marmara	Turkey	Cloud	nan	nan	nan	nan	13	1
4	2002	Cloud Backup Services	2023-02-01	2023-02-13	4500	Completed	Izmir	Izmir	Turkey	Cloud	nan	nan	nan	nan	12	1

If we update the ServiceName of the service with ServiceID number 0 to AAAA, the new display in the database will be as follows;

2.4 Delete Procedures

These procedures are used to delete data from the company database.

2.4.1 DeleteCompany

In DeleteCompany procedure, we ask the company just 1 parameters(Companyid) and delete the company. The web interface image is as follows;

Before deletion, the company class looks like this;

CompanyID	CompanyName	TradeNumber	Street	City	State	Country
1	Atasehir Bilisim LTD	991282728	MOR SÜMBÜL SK.	ISTANBUL	ATASEHIR	Türkiye
2	AAAA	12	B	C	D	E

	CompanyID	CompanyName	TradeNumber	Street	City	State	Country
1	1	Atasehir Bilisim LTD	991282728	MOR SÜMBÜL SK.	ISTANBUL	ATASEHIR	Türkiye
2	2	AAAA	12	B	C	D	E

When you delete the company with companyID equal 2, the tables appear as follows;

CompanyID	CompanyName	TradeNumber	Street	City	State	Country
1	Atasehir Bilisim LTD	991282728	MOR SÜMBÜL SK.	ISTANBUL	ATASEHIR	Türkiye

	CompanyID	CompanyName	TradeNumber	Street	City	State	Country
1	1	Atasehir Bilisim LTD	991282728	MOR SÜMBÜL SK.	ISTANBUL	ATASEHIR	Türkiye

2.4.2 DeleteCustomer

In DeleteCustomer procedure, we ask the customer just 1 parameters(Customerid) and delete the customer. The web interface image is as follows;

Execute Procedure ✕

Procedure Information

DELETE   1 Parameters

This procedure will remove Customer data.

Customerid

Type: int, Max Length: 4

Cancel   Execute

Before deletion, the customer class looks like this;

Customer

CustomerID	CustomerName	Email	TelephoneNo	Street	City	State	Country	CompanyID
0	A	B	C	D	E	F	G	1
1	Ahmet Yilmaz	ahmet.yilmaz@gmail.com	+90 0532 123 4567	Atatürk Bulvari No:45 D:3	AAAA	Ankara	Türkiye	1
2	Ayse Kaya	ayse.kaya@hotmail.com	+90 532 987 6543	Konak Mahallesi	Inönü Caddesi No:12	Izmir	Türkiye	1
3	Fatma Demir	fatma.demir@yahoo.com	+90 531 456 7890	Liman Mahallesi	Lara Caddesi No:8	Antalya	Türkiye	1
4	Hüseyin Sahin	huseyin.sahin@outlook.com	+90 534 123 9876	Heykel Meydani	Osmangazi	Bursa	Türkiye	1

	CustomerID	CustomerName	Email	TelephoneNo	Street	City	State	Country	CompanyID
1	0	A	B	C	D	E	F	G	1
2	1	Ahmet Yilmaz	ahmet.yilmaz@gmail.com	+90 0532 123 4567	Atatürk Bulvari No:45 D:3	AAAA	Ankara	Türkiye	1
3	2	Ayse Kaya	ayse.kaya@hotmail.com	+90 532 987 6543	Konak Mahallesi	Inönü Caddesi No:12	Izmir	Türkiye	1
4	3	Fatma Demir	fatma.demir@yahoo.com	+90 531 456 7890	Liman Mahallesi	Lara Caddesi No:8	Antalya	Türkiye	1
5	4	Hüseyin Sahin	huseyin.sahin@outlook.com	+90 534 123 9876	Heykel Meydani	Osmangazi	Bursa	Türkiye	1

When you delete the customer with customerID equal 0, the tables appear as follows;

Customer

CustomerID	CustomerName	Email	TelephoneNo	Street	City	State	Country	CompanyID
1	Ahmet Yilmaz	ahmet.yilmaz@gmail.com	+90 0532 123 4567	Atatürk Bulvari No:45 D:3	AAAA	Ankara	Türkiye	1
2	Ayse Kaya	ayse.kaya@hotmail.com	+90 532 987 6543	Konak Mahallesi	Inönü Caddesi No:12	Izmir	Türkiye	1
3	Fatma Demir	fatma.demir@yahoo.com	+90 531 456 7890	Liman Mahallesi	Lara Caddesi No:8	Antalya	Türkiye	1
4	Hüseyin Sahin	huseyin.sahin@outlook.com	+90 534 123 9876	Heykel Meydani	Osmangazi	Bursa	Türkiye	1

	CustomerID	CustomerName	Email	TelephoneNo	Street	City	State	Country	CompanyID
1	1	Ahmet Yilmaz	ahmet.yilmaz@gmail.com	+90 0532 123 4567	Atatürk Bulvari No:45 D:3	AAAA	Ankara	Türkiye	1
2	2	Ayse Kaya	ayse.kaya@hotmail.com	+90 532 987 6543	Konak Mahallesi	Inönü Caddesi No:12	Izmir	Türkiye	1
3	3	Fatma Demir	fatma.demir@yahoo.com	+90 531 456 7890	Liman Mahallesi	Lara Caddesi No:8	Antalya	Türkiye	1
4	4	Hüseyin Sahin	huseyin.sahin@outlook.com	+90 534 123 9876	Heykel Meydani	Osmangazi	Bursa	Türkiye	1

2.4.3 DeleteDepartment

In DeleteDepartment procedure, we ask the department just 1 parameters(Departmentid) and delete the department. The web interface image is as follows;

Execute Procedure ✕

Procedure Information

`DELETE` `1 Parameters`

This procedure will remove Department data.

Departmentno

Type: int, Max Length: 4

Cancel Execute

Before deletion, the department class looks like this;

DepartmentNo	DepartmentName	NoOfEmployees	Mission	CompanyID
0	AAAA	5	B	1
1	Administration	10	To oversee daily operations and coordination	1
2	Cloud Services	50	To provide reliable cloud-based solutions and support	1
3	Network Management	40	To maintain and optimize network infrastructure	1
4	Software Repair	30	To troubleshoot and fix software-related issues	1

	DepartmentNo	DepartmentName	NoOfEmployees	Mission	CompanyID
1	0	AAAA	5	B	1
2	1	Administration	10	To oversee daily operations and coordination	1
3	2	Cloud Services	50	To provide reliable cloud-based solutions and support	1
4	3	Network Management	40	To maintain and optimize network infrastructure	1

When you delete the department with DepartmentNo equal 0, the tables appear as follows;

Department   ⬇ Export to CSV

DepartmentNo	DepartmentName	NoOfEmployees	Mission	CompanyID
1	Administration	10	To oversee daily operations and coordination	1
2	Cloud Services	50	To provide reliable cloud-based solutions and support	1
3	Network Management	40	To maintain and optimize network infrastructure	1
4	Software Repair	30	To troubleshoot and fix software-related issues	1

	DepartmentNo	DepartmentName	NoOfEmployees	Mission	CompanyID
1	1	Administration	10	To oversee daily operations and coordination	1
2	2	Cloud Services	50	To provide reliable cloud-based solutions and support	1
3	3	Network Management	40	To maintain and optimize network infrastructure	1
4	4	Software Repair	30	To troubleshoot and fix software-related issues	1

2.4.4 DeleteItem

In DeleteItem procedure, we ask the item just 1 parameters(Itemtid) and delete the item. The web interface image is as follows;

Execute Procedure   ✕

Procedure Information

`DELETE` `1 Parameters`

This procedure will remove Item data.

Itemid

Type: int, Max Length: 4

Cancel   Execute

Before deletion, the item class looks like this;

Item

ItemID	ItemName	Quantity	Price	CompanyID
0	AAAA	5	10	1
1	Laptop	10	1200	1
2	Smartphone	20	800	1
3	Monitor	15	300	1
4	Keyboard	50	20	1

	ItemID	ItemName	Quantity	Price	CompanyID
1	0	AAAA	5	10	1
2	1	Laptop	10	1200	1
3	2	Smartphone	20	800	1
4	3	Monitor	15	300	1
5	4	Keyboard	50	20	1

When you delete the item with ItemNo equal 0, the tables appear as follows;

Item

ItemID	ItemName	Quantity	Price	CompanyID
1	Laptop	10	1200	1
2	Smartphone	20	800	1
3	Monitor	15	300	1
4	Keyboard	50	20	1

	ItemID	ItemName	Quantity	Price	CompanyID
1	1	Laptop	10	1200	1
2	2	Smartphone	20	800	1
3	3	Monitor	15	300	1
4	4	Keyboard	50	20	1

2.4.5 DeleteService

In DeleteService procedure, we ask the service just 1 parameters(Servicerid) and delete the service. The web interface image is as follows;

Execute Procedure   ✕

Procedure Information
DELETE 1 Parameters
This procedure will remove Service data.

Serviceid

_____

Type: int, Max Length: 4

Cancel   Execute

Before deletion, the service class looks like this;

Service   ⬇ Export to CSV

ServiceID	Name	StartDate	EndDate	Price	Status	City	State	Country	Cloud	Security	Repair	Network	SoftwareDev	Duration	CompanyID	DepartmentNo
0	AAAA	2002-12-13	2004-05-05	2	B	C	D	E	*NULL*	*NULL*	*NULL*	*NULL*	F	509	1	1
1	test	2025-01-04	2025-01-11	100	Active	Istanbul	Atasehir	Türkiye	Cloud	*NULL*	*NULL*	*NULL*	*NULL*	7	1	1
2001	Cloud Hosting	2023-01-01	2023-01-14	5000	Completed	Istanbul	Marmara	Turkey	Cloud	nan	nan	nan	nan	13	1	2
2002	Cloud Backup Services	2023-02-01	2023-02-13	4500	Completed	Izmir	Izmir	Turkey	Cloud	nan	nan	nan	nan	12	1	2

	ServiceID	Name	StartDate	EndDate	Price	Status	City	State	Country	Cloud	Security	Repair	Network	SoftwareDev	Duration	CompanyII
1	0	AAAA	2002-12-13	2004-05-05	2	B	C	D	E	NULL	NULL	NULL	NULL	F	509	1
2	1	test	2025-01-04	2025-01-11	100	Active	Istanbul	Atasehir	Türkiye	Cloud	NULL	NULL	NULL	NULL	7	1
3	2001	Cloud Hosting	2023-01-01	2023-01-14	5000	Completed	Istanbul	Marmara	Turkey	Cloud	nan	nan	nan	nan	13	1
4	2002	Cloud Backup Services	2023-02-01	2023-02-13	4500	Completed	Izmir	Izmir	Turkey	Cloud	nan	nan	nan	nan	12	1

When you delete the service with ServiceID equal 0, the tables appear as follows;

Service   ⬇ Export to CSV

ServiceID	Name	StartDate	EndDate	Price	Status	City	State	Country	Cloud	Security	Repair	Network	SoftwareDev	Duration	CompanyID	DepartmentNo
1	test	2025-01-04	2025-01-11	100	Active	Istanbul	Atasehir	Türkiye	Cloud	*NULL*	*NULL*	*NULL*	*NULL*	7	1	1
2001	Cloud Hosting	2023-01-01	2023-01-14	5000	Completed	Istanbul	Marmara	Turkey	Cloud	nan	nan	nan	nan	13	1	2
2002	Cloud Backup Services	2023-02-01	2023-02-13	4500	Completed	Izmir	Izmir	Turkey	Cloud	nan	nan	nan	nan	12	1	2
2003	Cloud Storage	2023-03-01	2023-03-14	3500	Completed	Ankara	Ankara	Turkey	Cloud	nan	nan	nan	nan	13	1	2

	ServiceID	Name	StartDate	EndDate	Price	Status	City	State	Country	Cloud	Security	Repair	Network	SoftwareDev	Duration	CompanyII
1	1	test	2025-01-04	2025-01-11	100	Active	Istanbul	Atasehir	Türkiye	Cloud	NULL	NULL	NULL	NULL	7	1
2	2001	Cloud Hosting	2023-01-01	2023-01-14	5000	Completed	Istanbul	Marmara	Turkey	Cloud	nan	nan	nan	nan	13	1
3	2002	Cloud Backup Services	2023-02-01	2023-02-13	4500	Completed	Izmir	Izmir	Turkey	Cloud	nan	nan	nan	nan	12	1

2.4 Wievs

In the wiew part you can access the total, average, maximum and minimum values of data such as company, employees, items, service status. Below are images of overviews by input type;

2.4.1 CompanyOverwiev

CompanyOverview   ⬇ Export to CSV

CompanyID	CompanyName	TotalEmployees	TotalDepartments	TotalServices	TotalItems
1	Atasehir Bilisim LTD	50	15	211	30

100 %

⊞ Results 🗊 Messages

	CompanyID	CompanyName	TotalEmployees	TotalDepartments	TotalServices	TotalItems
1	1	Atasehir Bilisim LTD	50	15	211	30

2.4.2 DepartmentEmployeeOverwiev

DepartmentEmployeeOverview   ⬇ Export to CSV

DepartmentNo	DepartmentName	Mission	TotalEmployees	AverageSalary	HighestSalary	LowestSalary
1	Administration	To oversee daily operations and coordination	6	59666	70000	48000
2	Cloud Services	To provide reliable cloud-based solutions and support	4	66500	75000	62000
3	Network Management	To maintain and optimize network infrastructure	4	62500	67000	60000
4	Software Repair	To troubleshoot and fix software-related issues	1	48000	48000	48000
5	Hardware Repair	To repair and maintain hardware devices	2	61000	70000	52000
6	Security Systems	To ensure robust security and protection against threats	4	62500	68000	58000
7	Software Development	To design and build innovative software solutions	13	57076	63000	50000
8	Data Analytics	To analyze data for insights and decision-making	5	60400	70000	52000
9	Customer Support	To assist customers with their technical and service-related issues	4	57500	75000	48000
10	Testing and Quality Assurance	To test and ensure the quality of services and products	2	52500	55000	50000
11	Research and Development	To innovate and develop next-generation technologies	2	66000	67000	65000
12	Human Resources	To manage and support the company's workforce	2	49000	50000	48000
13	Finance and Accounting	To handle financial transactions and reporting	1	45000	45000	45000

	DepartmentNo	DepartmentName	Mission	TotalEmployees	AverageSalary	HighestSalary	LowestSalary
1	1	Administration	To oversee daily operations and coordination	6	59666	70000	48000
2	2	Cloud Services	To provide reliable cloud-based solutions and supp...	4	66500	75000	62000
3	3	Network Management	To maintain and optimize network infrastructure	4	62500	67000	60000
4	4	Software Repair	To troubleshoot and fix software-related issues	1	48000	48000	48000
5	5	Hardware Repair	To repair and maintain hardware devices	2	61000	70000	52000
6	6	Security Systems	To ensure robust security and protection against th...	4	62500	68000	58000
7	7	Software Development	To design and build innovative software solutions	13	57076	63000	50000
8	8	Data Analytics	To analyze data for insights and decision-making	5	60400	70000	52000
9	9	Customer Support	To assist customers with their technical and servic...	4	57500	75000	48000
10	10	Testing and Quality Assurance	To test and ensure the quality of services and prod...	2	52500	55000	50000
11	11	Research and Development	To innovate and develop next-generation technolo...	2	66000	67000	65000
12	12	Human Resources	To manage and support the company's workforce	2	49000	50000	48000
13	13	Finance and Accounting	To handle financial transactions and reporting	1	45000	45000	45000

2.4.3 DepartmentItemOverwiev

DepartmentItemOverview   ⬇ Export to CSV

DepartmentNo	DepartmentName	Mission	CompanyID	CompanyName	TotalItems	AverageItemPrice	MostExpensiveItemPrice	LeastExpensiveItemPrice	MostExpensiveItemName	LeastExpensiveItemName
1	Administration	To oversee daily operations and coordination	1	Atasehir Bilisim LTD	30	350	1500	10	Refrigerator	USB Flash Drive
2	Cloud Services	To provide reliable cloud-based solutions and support	1	Atasehir Bilisim LTD	30	350	1500	10	Refrigerator	USB Flash Drive
3	Network Management	To maintain and optimize network infrastructure	1	Atasehir Bilisim LTD	30	350	1500	10	Refrigerator	USB Flash Drive
4	Software Repair	To troubleshoot and fix software-related issues	1	Atasehir Bilisim LTD	30	350	1500	10	Refrigerator	USB Flash Drive
5	Hardware Repair	To repair and maintain hardware devices	1	Atasehir Bilisim LTD	30	350	1500	10	Refrigerator	USB Flash Drive
6	Security Systems	To ensure robust security and protection against threats	1	Atasehir Bilisim LTD	30	350	1500	10	Refrigerator	USB Flash Drive
7	Software Development	To design and build innovative software solutions	1	Atasehir Bilisim LTD	30	350	1500	10	Refrigerator	USB Flash Drive
8	Data Analytics	To analyze data for insights and decision-making	1	Atasehir Bilisim LTD	30	350	1500	10	Refrigerator	USB Flash Drive
9	Customer Support	To assist customers with their technical and service-related issues	1	Atasehir Bilisim LTD	30	350	1500	10	Refrigerator	USB Flash Drive
10	Testing and Quality Assurance	To test and ensure the quality of services and products	1	Atasehir Bilisim LTD	30	350	1500	10	Refrigerator	USB Flash Drive
11	Research and Development	To innovate and develop next-generation technologies	1	Atasehir Bilisim LTD	30	350	1500	10	Refrigerator	USB Flash Drive
12	Human Resources	To manage and support the company's workforce	1	Atasehir Bilisim LTD	30	350	1500	10	Refrigerator	USB Flash Drive
13	Finance and Accounting	To handle financial transactions and reporting	1	Atasehir Bilisim LTD	30	350	1500	10	Refrigerator	USB Flash Drive
14	Marketing and Sales	To promote and sell the company's products and services	1	Atasehir Bilisim LTD	30	350	1500	10	Refrigerator	USB Flash Drive
15	Legal and Compliance	To ensure legal compliance and protect the company's interests	1	Atasehir Bilisim LTD	30	350	1500	10	Refrigerator	USB Flash Drive

Results | **Messages**

	DepartmentNo	DepartmentName	Mission	CompanyID	CompanyName	TotalItems	AverageItemPrice	MostExpensiveItemPrice	LeastEx
1	1	Administration	To oversee daily operations and coordination	1	Atasehir Bilisim LTD	30	350	1500	10
2	2	Cloud Services	To provide reliable cloud-based solutions and support	1	Atasehir Bilisim LTD	30	350	1500	10
3	3	Network Management	To maintain and optimize network infrastructure	1	Atasehir Bilisim LTD	30	350	1500	10
4	4	Software Repair	To troubleshoot and fix software-related issues	1	Atasehir Bilisim LTD	30	350	1500	10
5	5	Hardware Repair	To repair and maintain hardware devices	1	Atasehir Bilisim LTD	30	350	1500	10
6	6	Security Systems	To ensure robust security and protection against thr...	1	Atasehir Bilisim LTD	30	350	1500	10
7	7	Software Development	To design and build innovative software solutions	1	Atasehir Bilisim LTD	30	350	1500	10
8	8	Data Analytics	To analyze data for insights and decision-making	1	Atasehir Bilisim LTD	30	350	1500	10
9	9	Customer Support	To assist customers with their technical and service...	1	Atasehir Bilisim LTD	30	350	1500	10
10	10	Testing and Quality Assurance	To test and ensure the quality of services and prod...	1	Atasehir Bilisim LTD	30	350	1500	10
11	11	Research and Development	To innovate and develop next-generation technolo...	1	Atasehir Bilisim LTD	30	350	1500	10
12	12	Human Resources	To manage and support the company's workforce	1	Atasehir Bilisim LTD	30	350	1500	10
13	13	Finance and Accounting	To handle financial transactions and reporting	1	Atasehir Bilisim LTD	30	350	1500	10
14	14	Marketing and Sales	To promote and sell the company's products and se...	1	Atasehir Bilisim LTD	30	350	1500	10

2.4.4 ServiceStatusOverwiev

ServiceStatusOverview   ⬇ Export to CSV

CompanyID	CompanyName	ServiceStatus	TotalServices	TotalServiceDuration	AverageServiceDuration
1	Atasehir Bilisim LTD	Active	9	111	12
1	Atasehir Bilisim LTD	Completed	202	1709	8

	CompanyID	CompanyName	ServiceStatus	TotalServices	TotalServiceDuration	AverageServiceDuration
1	1	Atasehir Bilisim LTD	Active	9	111	12
2	1	Atasehir Bilisim LTD	Completed	202	1709	8