Term Project: CareConnect Health System

Buse Birinci - 2508372

Eralp Çolak - 2508406

Eyyüpcan İşler - 2508455

Mustafa Furkan Özateş - 2508547

Department of Computer Education and Instructional Technology, Middle East Technical University

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Lecturer İhsan Tolga Medeni PhD

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Introduction

Computer Education and Instructional Technology is one of the most important disciplines under education. However, most hospital systems have end-user interfaces that are not efficient. In Database Management Systems (DBMS), our aim is to build a structure that can achieve the following goals:

- Ensure compatibility and optimal performance across all devices.
- Minimize data loss and enhance data security.
- Provide a user-friendly interface.
- Assist users in making accurate and informed selections

In our project, the database management system (DBMS) plays a central role in ensuring the efficiency and functionality of our system. Every action performed by the users is saved and can be monitored by the database administrator.

In our system, we were unable to focus on essential aspects such as security, improved locking mechanisms, and enforcing constraints to prevent simultaneous work on the same task by multiple users. The primary aim of this system is to demonstrate and execute some of its expected functionalities.

Our DBMS includes the following functionalities:

- A Log-In mechanism to distinguish user groups, specifically designed for patient access.
- Patient functionalities include:
    - Adjusting personal information.
    - Scheduling new appointments with their desired department, doctor, and location.
    - Viewing one's scheduled appointments.
    - Receiving suggestions on which department to visit based on their symptoms by answering a series of questions, and guidance to book the appropriate appointment.

    - Viewing their medical history and doctor associations.
    - Accessing test results and medical images such as MRIs and X-rays.
- All actions performed by patients are saved and can be monitored by the database administrator for maintenance and oversight purposes.

For this project, we developed the user interfaces using Visual Studio 2022 IDE. The database management system was implemented using phpMyAdmin

Schema Design

The database schema and table properties were developed using the phpMyAdmin management tool. Below, we present the design properties for each table:

Register_info Schema

	#	Name	Type	Collation	Attributes	Null
☐	1	**tc** 🔑	bigint(20)			No
☐	2	**pwd**	varchar(255)	utf8mb4_general_ci		No
☐	3	**register_date**	datetime			No

- tc: This column stores the Turkish Republic number, which serves as the primary key and login identifier for users.
- pwd: This column stores the password information for user authentication.
- register_date: This column records the date when the user registered in our system.

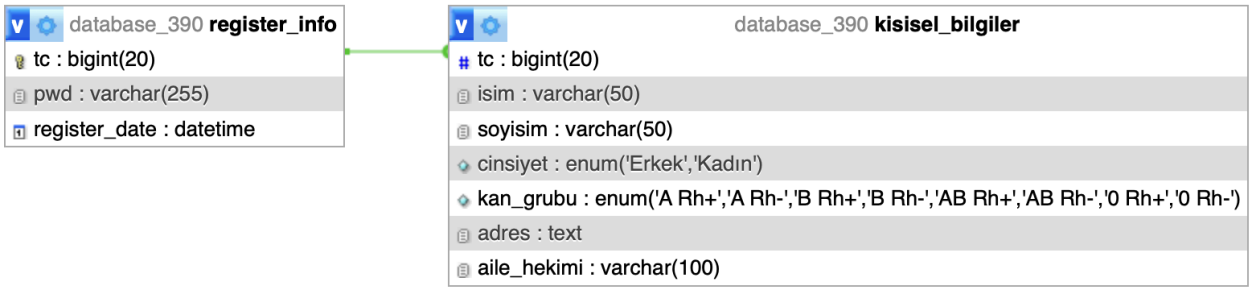
Kisisel_bilgiler Schema

	#	Name	Type
☐	1	**tc** 🔑	bigint(20)
☐	2	**isim**	varchar(50)
☐	3	**soyisim**	varchar(50)
☐	4	**cinsiyet**	enum('Erkek', 'Kadın')
☐	5	**kan_grubu**	enum('A Rh+', 'A Rh-', 'B Rh+', 'B Rh-', 'AB Rh+',...
☐	6	**adres**	text
☐	7	**aile_hekimi**	varchar(100)

- tc: This column stores the Turkish Republic number, serving as the primary key and login identifier for users.
- isim: This column stores the user's first name.
- soyisim: This column stores the user's surname.
- gender: This column indicates the user's gender.
- kan_grubu: This column stores the user's blood type.
- adres: This column stores the user's address information.

- aile_hekimi: This column stores the name of the user's responsible doctor.

The 'Register_info' and 'kisisel_bilgiler' tables are related. In instances where a user registers but has not yet provided personal information, the 'kisisel_bilgiler' table will be created with null values, resulting in a blank display. Subsequently, as users decide to furnish their personal information, the table will be updated accordingly. However, it is noteworthy that in the general usage of the system, the presence or absence of data in the 'kisisel_bilgiler' table does not significantly impact the functionality of the program. The relation is provided below;



Randevular schema

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
☐	1	**tc**	bigint(20)			Yes	*NULL*		
☐	2	**doktor_ıd**	int(20)			Yes	*NULL*		
☐	3	**randevu_id** 🔑	int(11)			No	*None*		AUTO_INCREMENT
☐	4	**tarih**	date			Yes	*NULL*		

- **tc:** This column stores the Turkish Republic number, serving as a unique identifier for patients.
- **doktor_id:** This column stores the ID of the doctor selected by the patient. It is related to the 'doktorlar' schema.
- **randevu_id:** This column serves as an exclusive identifier for each appointment, facilitating unique selection for update, delete, and filtering purposes.
- **tarih:** This column stores the date of the appointment.

Doktorlar schema

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	**doktor_id**	int(20)			No	*None*		AUTO_INCREMENT
2	**doktor_isim**	varchar(255)	utf8mb4_general_ci		Yes	*NULL*		
3	**departman**	varchar(255)	utf8mb4_general_ci		Yes	*NULL*		
4	**hastane**	varchar(255)	utf8mb4_general_ci		Yes	*NULL*		

- doktor_id: This column serves as a unique identifier for doctors and is auto-incremented.
- doktor_isim: This column stores the name of the doctors.
- departman: This column stores the department to which the doctor belongs. This information is retrieved from another table called 'departmanlar' to avoid redundancy.
- hastane: This column stores the hospital where the doctor is currently working. This information is retrieved from another table called 'hastane', which contains details about the hospital, including its name and location.

Departmanlar schema

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	**departman_id**	int(11)			No	*None*		AUTO_INCREMENT
2	**departman_adı**	varchar(255)	utf8mb4_general_ci		No	*None*		

- department_id: This column serves as an auto-incremented unique identifier for departments.
- departman_adı: This column stores the name of the departments.

Hastane schema

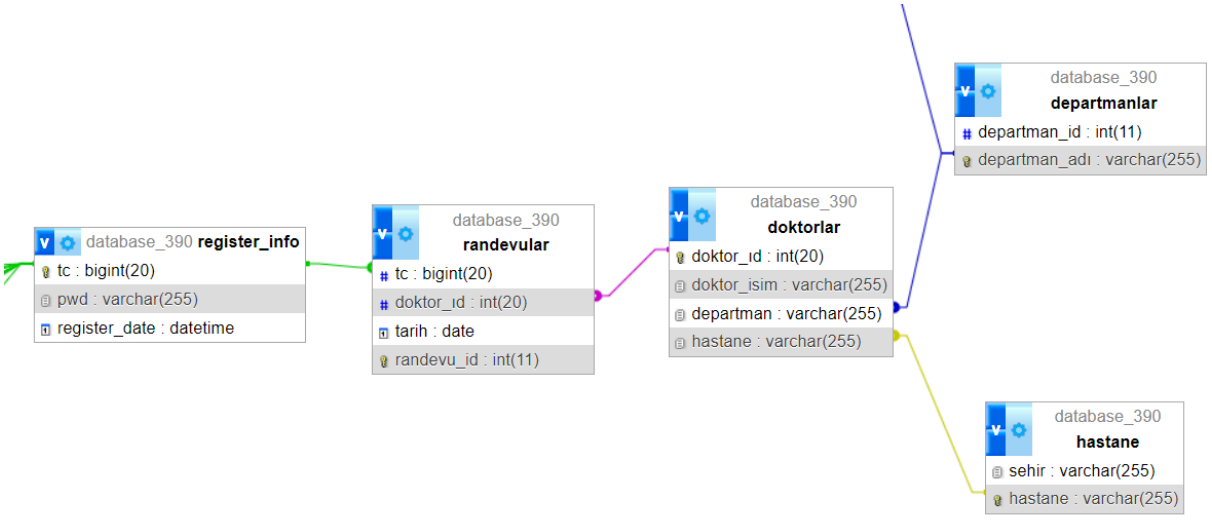
#	Name	Type	Collation
1	**sehir**	varchar(255)	utf8mb4_general_ci
2	**hastane**	varchar(255)	utf8mb4_general_ci

- sehir: This column stores the location (city) of the hospital.
- hastane: This column stores the name of the hospital.

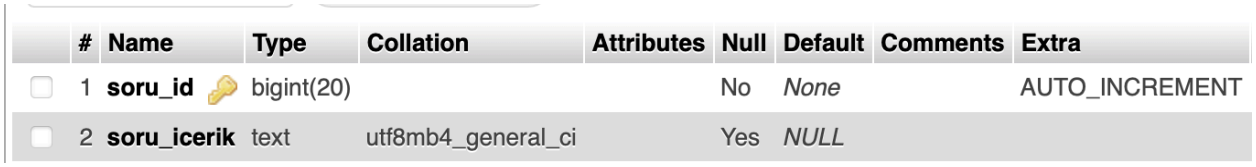
Relation of appointment system

Buraya relation fotosu gelecek(Buse)

“randevular” table is related to the “register_info” table to take “tc” info and related to the “doktorlar” table to take “doktor_ıd”. “doktorlar” table is related to the “departmanlar” table to take “departman_adı” and related to the “hastane” table to take “hastane” which stored the hospital names and to take “sehir” which stores the city the hospital is located. When creating a new appointment, the user first selects a city, and this city information is taken from the "sehir" column in the "hastane” table. After selecting the city, the user is asked to select a hospital. These hospital names are the hospital names in the selected city. These hospital names are pulled from the "hastane” column in the "hastane” table. After selecting the hospital, the user is asked to select a department. These department names are pulled from the "departman_adı" column in the "departmanlar" table. After selecting the department, the user is asked to select a doctor. These doctor names are pulled from the "doktor_adı" column in the "doktorlar" table. Additionally, doctor names are listed according to the selected city, hospital and department. After selecting the doctor, the user is asked to select an appointment date. After everything is selected, the user clicks the "kaydet" button, and all information is saved in the "randevular" table via "tc".



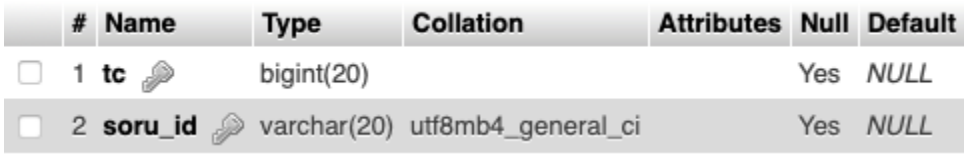
Sorular schema



#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	**soru_id**	bigint(20)			No	*None*		AUTO_INCREMENT
2	**soru_icerik**	text	utf8mb4_general_ci		Yes	*NULL*		

- soru_id: This column serves as the unique identifier for questions and is used in the 'soru_cevapları' table to save users' answers accordingly.
- soru_icerik: This column contains the questions presented to users to help determine which department will best address their health issues.

Soru_cevapları schema

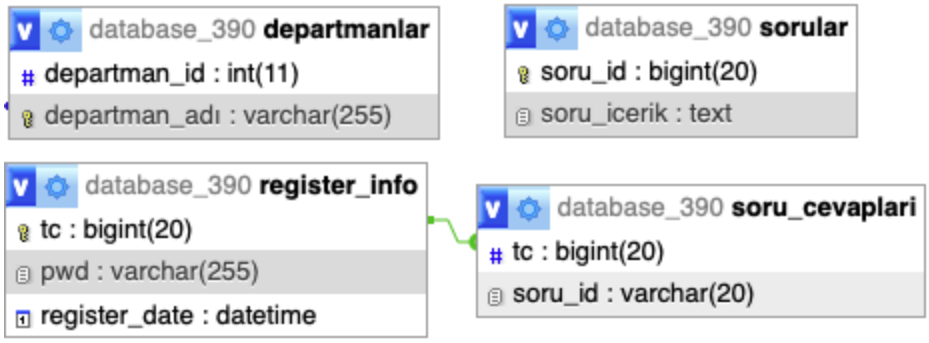


#	Name	Type	Collation	Attributes	Null	Default
1	**tc**	bigint(20)			Yes	*NULL*
2	**soru_id**	varchar(20)	utf8mb4_general_ci		Yes	*NULL*

- tc: This column stores the Turkish Republic number, serving as a unique identifier for users, consistent with other schemas.
- soru_id: This column holds the information about the questions to which the user has responded "yes".

Relation neyim_var system

For neyim_var system “departmanlar”, “sorular” and “soru_cevaplari” tables are related. “Departmanlar” table is already holding the departman names with associated id’s. To use the “sorular” table, the system is using the department id’s to relate questions to only one department. It enables the form to show questions one by one with their special id’s. Furthermore, “soru_cevaplari” table is using the ids in the “sorular” table to hold which questions are answered yes in array, so “soru_id” in the “soru_cevaplari” table could hold responses in divided by comma format (1,2,5,6) etc.



Hastalıklar schema

	#	Name	Type	Collation	Attributes	Null	Default
☐	1	**hastalik_adi** 🔑	varchar(255)	utf8mb4_general_ci		No	*None*
☐	2	**departman_adı** 🔗	varchar(255)	utf8mb4_general_ci		Yes	*NULL*

- hastalık_adı: This column stores the name of the disease.
- departman_adı: This column stores the name of the department related to the disease.

BOSAnalizi schema

#	Name	Type	Collation	Attributes
1	tc	bigint(20)		
2	Renk	varchar(255)	utf8mb4_general_ci	
3	Gorunum	varchar(255)	utf8mb4_general_ci	
4	Miktar	float		
5	Protein	float		
6	Seker	float		
7	LaktikAsit	float		
8	Hucreler	float		
9	Eritrosit	float		
10	Lokosit	float		
11	Monosit	float		
12	Notrofil	float		
13	Lenfosit	float		
14	Eozinofil	float		
15	Bazofil	float		
16	EritrositSedimentasyonHizi	float		
17	SitolojikDegerlendirme	varchar(50)	utf8mb4_general_ci	

- tc: This column stores the Turkish Republic number, serving as a unique identifier for users, consistent with other schemas.
- Renk: This column holds information about the color of the sample.
- Gorunum: This column holds information about the appearance of the sample.
- Miktar: This column holds information about the quantity of the sample.
- Protein: This column holds information about the protein level in the sample.
- Seker: This column holds information about the sugar level in the sample.
- LaktikAsit: This column holds information about the lactic acid level in the sample.
- Hucreler: This column holds information about the cells present in the sample.
- Eritrosit: This column holds information about the erythrocyte level in the sample.
- Lokosit: This column holds information about the leukocyte level in the sample.
- Monosit: This column holds information about the monocyte level in the sample.
- Notrofil: This column holds information about the neutrophil level in the sample.
- Lenfosit: This column holds information about the lymphocyte level in the sample.
- Eozinofil: This column holds information about the eosinophil level in the sample.
- Bazofil: This column holds information about the basophil level in the sample.
- EritrositSedimentasyonHizi: This column holds information about the erythrocyte sedimentation rate in the sample.
- SitolojikDegerlendirme: This column holds the cytological evaluation of the sample.

Dahiliye_testi schema

#	Name	Type	Collation	Attributes	Null	Default
1	tc	bigint(20)			Yes	*NULL*
2	HbA1c	float			Yes	*NULL*

- tc: This column stores the Turkish Republic number, serving as a unique identifier for users, consistent with other schemas.
- HbA1c: This column contains information about the HbA1c level in the sample.

D_vitamini schema

#	Name	Type	Collation	Attributes
1	tc	bigint(20)		
2	OH_Kalsiferol	float		

- tc: This column stores the Turkish Republic number, serving as a unique identifier for users, consistent with other schemas.
- OH_Kalsiferol: This column contains information about the OH-Kalsiferol level in the sample.

Genelcerrahitesti schema

#	Name	Type	Collation	Attributes	Null	Default
1	tc	bigint(20)			Yes	*NULL*
2	GGT	float			Yes	*NULL*
3	Bilirubin	float			Yes	*NULL*

- tc: This column stores the Turkish Republic number, serving as a unique identifier for users, consistent with other schemas.
- GGT: This column contains information about the GGT level in the sample.
- Bilirubin: This column contains information about the Bilirubin level in the sample.

Görüntüleme schema

#	Name	Type	Collation	Attributes
1	tc	bigint(20)		
2	görününtÜ	blob		

- tc: This column stores the Turkish Republic number, serving as a unique identifier for users, consistent with other schemas.
- görüntÜ: This column stores jpg files containing hospital imaging results.

Hemogram Schema

#	Name	Type	Collation	Attributes	Null	Default
1	**Hb**	float			Yes	*NULL*
2	**Hct**	float			Yes	*NULL*
3	**RBC**	float			Yes	*NULL*
4	**MCV**	float			Yes	*NULL*
5	**MCH**	float			Yes	*NULL*
6	**MCHC**	float			Yes	*NULL*
7	**RDW**	float			Yes	*NULL*
8	**Trombosit**	float			Yes	*NULL*
9	**WBC**	float			Yes	*NULL*
10	**Nötrofil**	float			Yes	*NULL*
11	**Lenfosit**	float			Yes	*NULL*
12	**Monosit**	float			Yes	*NULL*
13	**Eozinofil**	float			Yes	*NULL*
14	**Bazofil**	float			Yes	*NULL*
15	**tc**	bigint(20)			Yes	*NULL*

- tc: This column stores the Turkish Republic number, serving as a unique identifier for users, consistent with other schemas.
- hb: This column contains information about the hemoglobin level in the blood sample.
- Hct: This column contains information about the hematocrit level in the blood sample.
- RBC: This column contains information about the red blood cell count in the blood sample.
- MCV: This column contains information about the mean corpuscular volume in the blood sample.
- MCH: This column contains information about the mean corpuscular hemoglobin in the blood sample.
- MCHC: This column contains information about the mean corpuscular hemoglobin concentration in the blood sample.
- RDW: This column contains information about the red cell distribution width in the blood sample.
- Trombosit: This column contains information about the platelet count in the blood sample.
- WBC: This column contains information about the white blood cell count in the blood sample.
- Nötrofil: This column contains information about the neutrophil level in the blood sample.
- Lenfosit: This column contains information about the lymphocyte level in the blood sample.
- Monosit: This column contains information about the monocyte level in the blood sample.
- Eozinofil: This column contains information about the eosinophil level in the blood sample.

- Bazofil: This column contains information about the basophil level in the blood sample.

Hıvtest schema

	#	Name	Type	Collation	Attributes
☐	1	tc	bigint(20)		
☐	2	AntiHIV	varchar(255)	utf8mb4_general_ci	
☐	3	HBsAg	varchar(255)	utf8mb4_general_ci	

- tc: This column stores the Turkish Republic number, serving as a unique identifier for users, consistent with other schemas.
- AntiHIV: This column contains information about the AntiHIV level in the blood sample.
- HBsAg: This column contains information about the HBsAg level in the blood sample.

Kadındogum schema

	#	Name	Type	Collation	Attributes
☐	1	tc	bigint(20)		
☐	2	bHCG	float		

- tc: This column stores the Turkish Republic number, serving as a unique identifier for users, consistent with other schemas.
- bHCG: This column contains information about the bHCG level in the blood sample.

Kangazı schema

	#	Name	Type	Collation	Attributes
☐	1	tc	bigint(20)		
☐	2	pH	float		
☐	3	PaO2	float		
☐	4	PaCO2	float		
☐	5	HCO3	float		
☐	6	O2S	float		
☐	7	BE	float		
☐	8	Laktat	float		

- tc: This column stores the Turkish Republic number, serving as a unique identifier for users, consistent with other schemas.
- pH: This column contains information about the pH level in the blood sample.
- PaO2: This column contains information about the partial pressure of oxygen in the blood sample.
- PaCO2: This column contains information about the partial pressure of carbon dioxide in the blood sample.
- HCO3: This column contains information about the bicarbonate level in the blood sample.

- O2S: This column contains information about the oxygen saturation in the blood sample.
- BE: This column contains information about the base excess in the blood sample.
- Laktat: This column contains information about the lactate level in the blood sample.

KardiyolojiTestleri schema

	#	Name	Type	Collation	Attributes
☐	1	tc 🔑	bigint(20)		
☐	2	TroponinI	float		
☐	3	TroponinT	float		
☐	4	CK_MB	float		

- tc: This column stores the Turkish Republic number, serving as a unique identifier for users, consistent with other schemas.
- TroponinI: This column contains information about the Troponin I level in the blood sample.
- TroponinT: This column contains information about the Troponin T level in the blood sample.
- CK_MB: This column contains information about the CK-MB (Creatine Kinase-MB) level in the blood sample.

Uroloji_testi schema

#	Name	Type	Collation	Attributes	Null	Default
1	tc	bigint(20)			Yes	NULL
2	renk	float			Yes	NULL
3	gorunum	float			Yes	NULL
4	yogunluk	float			Yes	NULL
5	ph	float			Yes	NULL
6	protein	float			Yes	NULL
7	glukoz	float			Yes	NULL
8	ketondis	float			Yes	NULL
9	bilirubin	float			Yes	NULL
10	urobilinojen	float			Yes	NULL
11	nitrit	float			Yes	NULL
12	eritrosit	float			Yes	NULL
13	lokosit	float			Yes	NULL
14	silendir	float			Yes	NULL
15	bakteri	float			Yes	NULL
16	epitel_hucreleri	float			Yes	NULL
17	kristaller	float			Yes	NULL

- tc: This column stores the Turkish Republic number, serving as a unique identifier for users, consistent with other schemas.
- renk: This column contains information about the color of the urine sample.
- gorunum: This column contains information about the appearance of the urine sample.
- yogunluk: This column contains information about the density of the urine sample.
- ph: This column contains information about the pH level of the urine sample.
- protein: This column contains information about the protein level in the urine sample.
- glukoz: This column contains information about the glucose level in the urine sample.
- ketondis: This column contains information about the ketone level in the urine sample.
- bilirubin: This column contains information about the bilirubin level in the urine sample.
- urobilinojen: This column contains information about the urobilinogen level in the urine sample.
- nitrit: This column contains information about the nitrite level in the urine sample.
- eritrosit: This column contains information about the erythrocyte level in the urine sample.
- lokosit: This column contains information about the leukocyte level in the urine sample.
- silendir: This column contains information about the presence of casts in the urine sample.
- bakteri: This column contains information about the presence of bacteria in the urine sample.
- epitel_hucreleri: This column contains information about the presence of epithelial cells in the urine sample.

- kristaller: This column contains information about the presence of crystals in the urine sample.

Populated Tables

To populate the tables, we utilized test records. These records were also updated during the development phase. The final versions of these tables, including the populated data, are presented in this section:

Register_info table

	tc 1	pwd	register_date
y Delete	11111111112	1234	2024-05-06 09:59:18
y Delete	11123456789	1234	2024-04-01 10:50:56
y Delete	12345678900	1234	2024-03-26 21:13:06
y Delete	12345678927	2727	2024-03-30 17:17:30
y Delete	12345678931	1234	2024-03-30 17:12:13
y Delete	12345678941	5566	2024-03-30 15:06:40
y Delete	12345678955	5566	2024-03-26 21:18:35
y Delete	19178530778	12345	2024-05-06 09:45:56
y Delete	19178530790	12345	2024-05-06 09:46:30

Kisisel_bilgiler table

tc	isim 1	soyisim	cinsiyet	kan_grubu	adres	aile_hekimi
19178530790	şevval	kıdık	Erkek	B Rh-	balkiraz mahallesi	Eyyüpcan işler
12345678941	Furkan	Özateş	Erkek	A Rh+	Ankara	İcardi
12345678931	Eyyüpcan	İşler	Erkek	B Rh+	İzmir	İcardi
12345678900	Eralp	Çolak	Erkek	A Rh+	Gaziantep/şehitkamil	Dr Murat
12345678955	Buse	Birinci	Erkek	A Rh+	samsun	Doktor Balımsu

Randevular table

	doktor_ıd 1	tc	randevu_id	tarih
Edit Copy Delete	799	12345678900	11	2024-05-24
Edit Copy Delete	706	12345678900	9	2024-05-15
Edit Copy Delete	668	12345678900	10	2024-05-31
Edit Copy Delete	7	12345678900	8	2024-05-14

Sorular table

	soru_id	soru_icerik
Edit Copy Delete	1	Kalbinizde sıkışma hissediyor musunuz?
Edit Copy Delete	2	Nefes darlığı yaşıyor musunuz?
Edit Copy Delete	3	Böbreklerinizde şiddetli bir ağrı var mı?
Edit Copy Delete	4	Gebelik sürecinde bazen sancı yaşıyor musunuz?
Edit Copy Delete	5	Şiddetli baş dönmesi yaşıyor musunuz?
Edit Copy Delete	6	Diz ağrınız var mı?
Edit Copy Delete	7	Karnınızda sürekli bir ağrı var mı?
Edit Copy Delete	8	Cildinizde veya ağız içinde son zamanlarda yeni le...
Edit Copy Delete	9	Karın bölgenizde ani, şiddetli bir ağrı veya hassa...
Edit Copy Delete	10	Ani nefes darlığı veya bacaklarınızda şişlik fark ...

Soru_cevapları table

tc	soru_id
12345678900	3
12345678900	1
12345678900	2,4
12345678900	1,2,3,4,5,6,7,8,9,10
12345678900	1,5,8
12345678900	1,2,5
12345678955	1,2,3,7,10
12345678955	1,5,8
12345678900	6
12345678900	1,2,3,4,5,6

Departmanlar table

				departman_id	departman_adı
☐	Edit	Copy	Delete	1	Kardiyoloji
☐	Edit	Copy	Delete	2	Göğüs Hastalıkları
☐	Edit	Copy	Delete	3	Üroloji
☐	Edit	Copy	Delete	4	Kadın Doğum
☐	Edit	Copy	Delete	5	Nöroloji
☐	Edit	Copy	Delete	6	Ortopedi
☐	Edit	Copy	Delete	7	Dahiliye
☐	Edit	Copy	Delete	8	Enfeksiyon Hastalıkları
☐	Edit	Copy	Delete	9	Genel Cerrahi
☐	Edit	Copy	Delete	10	Kalp ve Damar Cerrahisi

Delete

Hastane table

			sehir 1	hastane
Edit	Copy	Delete	Ankara	Ankara Şehir Hastanesi
Edit	Copy	Delete	Ankara	Ankara Memorial Hospital
Edit	Copy	Delete	Ankara	Ankara Üniversite Hastanesi
Edit	Copy	Delete	Antalya	Antalya Şehir Hastanesi
Edit	Copy	Delete	Antalya	Medical Center Hastanesi
Edit	Copy	Delete	Antalya	Antalya Üniversite Hastanesi
Edit	Copy	Delete	Bursa	Liv Hospital
Edit	Copy	Delete	Bursa	Acıbadem Hastanesi
Edit	Copy	Delete	Bursa	Bursa Şehir Hastanesi
Edit	Copy	Delete	İstanbul	İstanbul Şehir Hastanesi
Edit	Copy	Delete	İstanbul	İstanbul İstinye Hastanesi
Edit	Copy	Delete	İstanbul	İstanbul Medical Park Hastanesi
Edit	Copy	Delete	Samsun	Atasam Hastanesi
Edit	Copy	Delete	Samsun	Gazi Devlet Hastanesi
Edit	Copy	Delete	Samsun	Samsun Eğitim Araştırma Hastanesi

Doktorlar table

	doktor_id ▲ 1	doktor_isim	departman	hastane
Edit Copy Delete	5	Dr. Ali Yılmaz	Kardiyoloji	Ankara Şehir Hastanesi
Edit Copy Delete	6	Dr. Selma Kaya	Göğüs Hastalıkları	Ankara Şehir Hastanesi
Edit Copy Delete	7	Dr. Mustafa Karagöz	Üroloji	Ankara Şehir Hastanesi
Edit Copy Delete	8	Dr. Fatma Yılmaz	Kadın Doğum	Ankara Şehir Hastanesi
Edit Copy Delete	9	Dr. Murat Aksoy	Nöroloji	Ankara Şehir Hastanesi
Edit Copy Delete	10	Dr. Ahmet Yıldız	Ortopedi	Ankara Şehir Hastanesi
Edit Copy Delete	11	Dr. Ayşe Yıldız	Dahiliye	Ankara Şehir Hastanesi
Edit Copy Delete	12	Dr. Mehmet Kaya	Enfeksiyon Hastalıkları	Ankara Şehir Hastanesi
Edit Copy Delete	13	Dr. Deniz Yıldız	Genel Cerrahi	Ankara Şehir Hastanesi
Edit Copy Delete	14	Dr. Fatma Kaya	Kalp ve Damar Cerrahisi	Ankara Şehir Hastanesi
Edit Copy Delete	15	Dr. Mehmet Yılmaz	Kardiyoloji	Ankara Memorial Hospital
Edit Copy Delete	16	Dr. Aylin Kaya	Göğüs Hastalıkları	Ankara Memorial Hospital
Edit Copy Delete	17	Dr. Selim Karagöz	Üroloji	Ankara Memorial Hospital
Edit Copy Delete	18	Dr. Zeynep Yıldız	Kadın Doğum	Ankara Memorial Hospital
Edit Copy Delete	19	Dr. Emre Aksoy	Nöroloji	Ankara Memorial Hospital
Edit Copy Delete	20	Dr. Nazlı Yıldız	Ortopedi	Ankara Memorial Hospital
Edit Copy Delete	21	Dr. Murat Yıldız	Dahiliye	Ankara Memorial Hospital
Edit Copy Delete	22	Dr. Elif Kaya	Enfeksiyon Hastalıkları	Ankara Memorial Hospital
Edit Copy Delete	23	Dr. Mehmet Karagöz	Genel Cerrahi	Ankara Memorial Hospital
Edit Copy Delete	24	Dr. Ayşe Yılmaz	Kalp ve Damar Cerrahisi	Ankara Memorial Hospital
Edit Copy Delete	25	Dr. Elif Yıldız	Kardiyoloji	Ankara Üniversite Hastanesi
Edit Copy Delete	26	Dr. Mehmet Kaya	Göğüs Hastalıkları	Ankara Üniversite Hastanesi
Edit Copy Delete	27	Dr. Aylin Demir	Üroloji	Ankara Üniversite Hastanesi
Edit Copy Delete	28	Dr. Ahmet Arslan	Kadın Doğum	Ankara Üniversite Hastanesi
Edit Copy Delete	29	Dr. Zeynep Yılmaz	Nöroloji	Ankara Üniversite Hastanesi

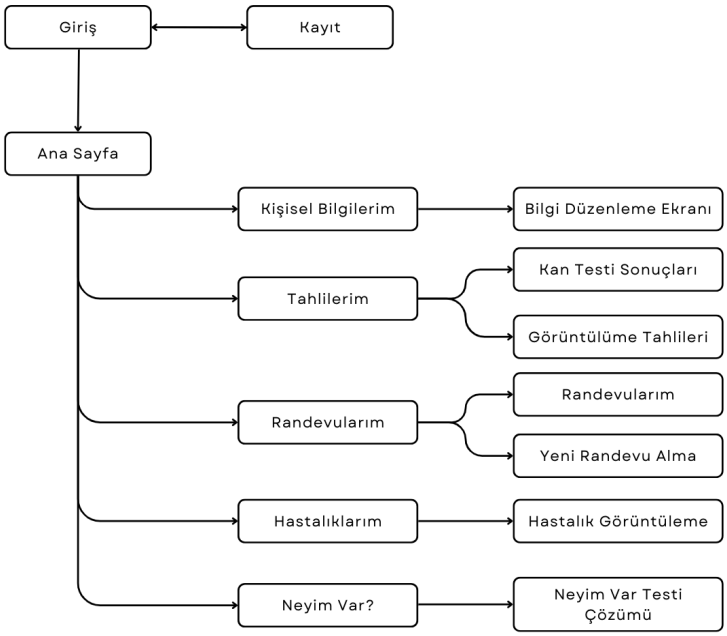
Hastalıklar Table

	hastalik_adi	departman_adı
Edit Copy Delete	Diabetes Mellitus	Dahiliye
Edit Copy Delete	Hepatit B	Enfeksiyon Hastalıkları
Edit Copy Delete	Kolelitiasis	Genel Cerrahi
Edit Copy Delete	Metabolik Alkaloz	Göğüs Hastalıkları
Edit Copy Delete	Metabolik Asidoz	Göğüs Hastalıkları
Edit Copy Delete	Gebelik	Kadın Doğum
Edit Copy Delete	Hemofili	Kalp ve Damar Cerrahisi
Edit Copy Delete	Myokard Enfarktüsü	Kardiyoloji
Edit Copy Delete	Menenjit	Nöroloji
Edit Copy Delete	Osteoporoz	Ortopedi
Edit Copy Delete	Ürolitiasis	Üroloji

BOSAnalizi Table
Dahiliye_testi Table
D_vitamini table
Genelcerrahitesti table
Görüntüleme table
Hemogram table
Hıvtest table
Kadındogum table
Kangazı
KardiyolojiTestleri table
Uroloji_testi table

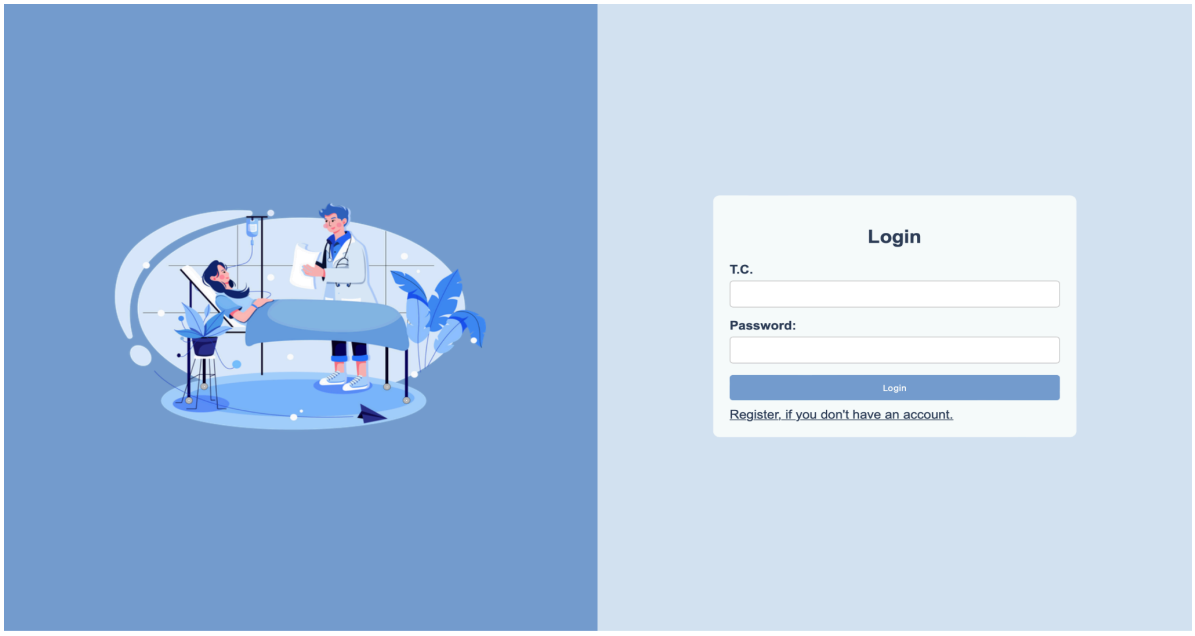
Screens

In this section, we aim to define our screens in a manner akin to a technical manual. We have categorized the screens based on patients (the user)perspectives. Additionally, there is a hierarchical structure between users and screens, as illustrated in the following figure:

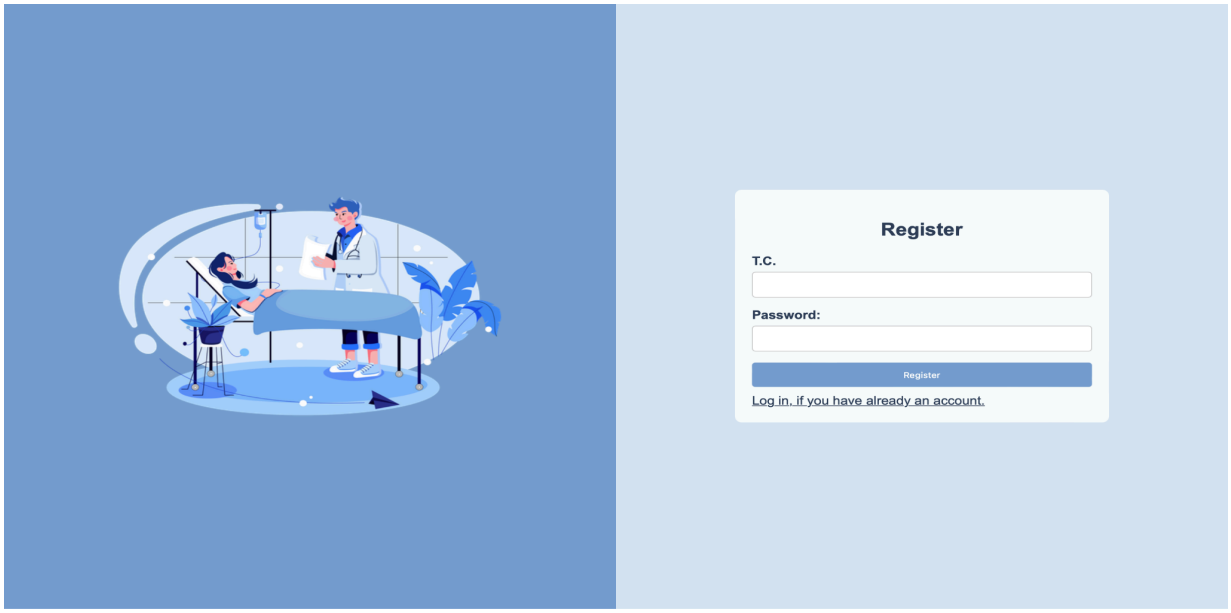


Each screen will be presented with its screenshot, the related tables, and the queries utilized within each screen.

General screens



Log-in screen is the first screen in our CareConnect Health Care system. The purpose of this page is to enable the user to log in to the system by entering "TC" and password information in the appropriate places. At the same time, there is a guidance under the password section for users who will register to the system for the first time. New users can click here to register to the system, create their "TC" and password as shown in the image below and log in to the system from the login screen again.



Only query work for this page work through Log-In table;