

NEAR EAST UNIVERSITY

FACULTY OF ENGINEERING

DEPARTMENT OF COMPUTER ENGINEERING

**HOSPITAL AUTOMATION PROGRAM
ON LAN**

**GRADUATION PROJECT
COM – 400**

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I am very great full to those who have given me the courage to finish the project that my teacher which I have looked upon gave me to complete.

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I can not thank enough my family for the things they had to put up with until they bought me to the age that I am. Especially during the time of my life in the faculty.

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Meanwhile I am very forgetfull person I would like to send a special thanks to everyone which has helped me with the project and in my life.

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As the information age has effected every aspect of our life, the need for computerizing many information systems has raised.

Once of the important branches that are effected by information revolution is the computer programming languages.

This Project is concerned about using computer program in hospital automation system. It is written using Visual Basic 6.0 programming language and used Microsoft Access Database language for databases. Visual Basic is one of the best and easy programming languages.

This project is accomlete hospital automation program, that covers all services needed in most hospital, such as computer related information, patient, doctor, goods and many other hospitals related services.

Before coming to this point, this project has gone through some important steps;

- First one was the requirements definition for which I had to go to some hospitals and study their systems.
- The second steps were designing the system and software that is intended to serve an integrated hospital automation.
- The final steps was the implementation of the design on the computer using Visual Basic Language.

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3. INTRODUCTION

3.1. VISUAL BASIC

Visual Basic is a Microsoft Windows programming Language. Visual Basic programs are created in an Integrated Development Environment (IDE) . The IDE allows the programmer to create , run and debug Visual Basic programs conveniently. IDEs allow a programmer to create working programs in a fraction of the time that it would normally take to code programs without using IDEs. The process of rapidly creating an application is typically referred to as Rapid Application Development(RAD). Visual Basic is the world's most widely used RAD language.

Visual Basic is derived from the BASIC programming language. Visual Basic is a distinctly different language providing powerful features such as graphical user interfaces, even handling, access to the Win32 API, object-oriented features, error handling, structured programming, and much more.

The Visual Basic IDE allows Windows programs to be created without the need for the programmer to be a Windows programming expert.

Microsoft provides several versions of Visual Basic, namely the Learning Edition , the Professional Edition and the Enterprise Edition. The Learning Edition provides fundamental programming capabilities than the Learning Edition and is the choice of many programmers to write Visual Basic applications. The Enterprise Edition is used for developing large-scale computing systems that meet the needs of substantial organizations.

Visual Basic is an interpreted language. However , the professional and Enterprise Edition allows Visual Basic code to be compiled to native code.

Visual Basic evolved from BASIC(Beginner's All purpose Symbolic Instruction Code). Basic was developed in the mid 1960's by Professors John Kemeny and Thomas Kurtz of Dartmouth College as a language for writing simple programs. BASIC's primary purpose was to help people learn how to program.

The widespread use of BASIC with various types of computers (sometimes called hardware platforms) led to many enhancements to the language. With the development of the Microsoft windows graphical user interface (GUI) in the late 1980s and the early 1990s, the natural evolution of BASIC was Visual Basic, which was created by Microsoft Corporation in 1991.

3.2.1. Until Visual Basic appeared, developing Microsoft Windows-based applications was a difficult and cumbersome process. Visual Basic greatly simplifies Windows application development. Since 1991 six versions have been released, with the latest-Visual Basic 6-appearing in september 1998.

After a brief explanation about the Visual Basic 6.0 and the developing layers, I hope that you will find the necessary information that you need all about the Visual Basic even if you are a text based programmer.



Figure 1 : These LAN Implementations Are Used Most Commonly

3.2.2. WHAT IS A LAN?

A LAN is a type of data network. The term is relatively well understood and is typically connected to the local computer, printers, servers, and other devices. LANs allow computers to communicate with each other and share resources, such as files and applications. The exchange of data is typically done through a central hub or router, which acts as a central point of communication for the network.

3.2. LAN (LOCAL AREA NETWORK)

3.2.1. INTRODUCTION TO LAN PROTOCOLS

This chapter introduces the various media-access methods, transmission methods, topologies, and devices used in a local-area network (LAN). Topics addressed focus on the methods and devices used in Ethernet/IEEE 802.3, Token Ring/IEEE 802.5, and Fiber Distributed Data Interface (FDDI). Subsequent chapters in Part II, "LAN Protocols," address specific protocols in more detail. Figure 1. illustrates the basic layout of these three implementations.

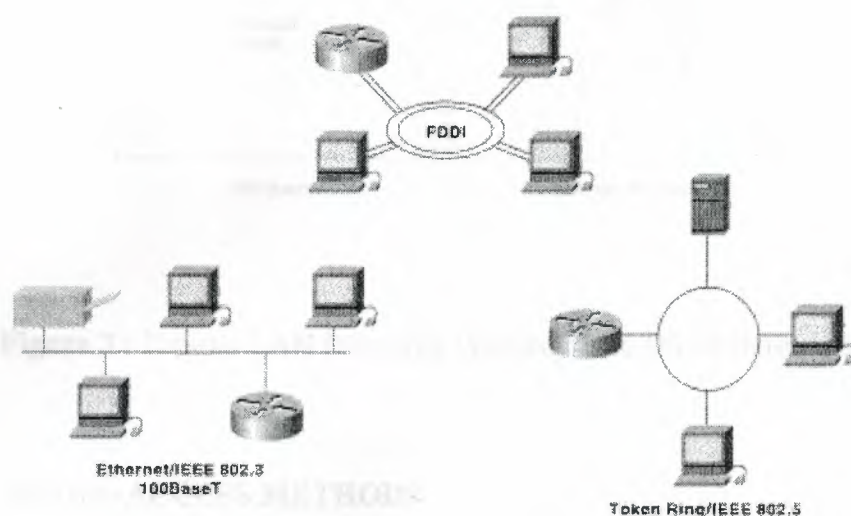


Figure 1 : Three LAN Implementations Are Used Most Commonly

3.2.2. WHAT IS A LAN?

A LAN is a high-speed data network that covers a relatively small geographic area. It typically connects workstations, personal computers, printers, servers, and other devices. LANs offer computer users many advantages, including shared access to devices and applications, file exchange between connected users, and communication between users via electronic mail and other applications.

3.2.3. LAN PROTOCOLS AND THE OSI REFERENCE MODEL

LAN protocols function at the lowest two layers of the OSI reference model, as discussed in Chapter 1, "Internetworking Basics," between the physical layer and the data link layer. Figure 3. illustrates how several popular LAN protocols map to the OSI reference model.

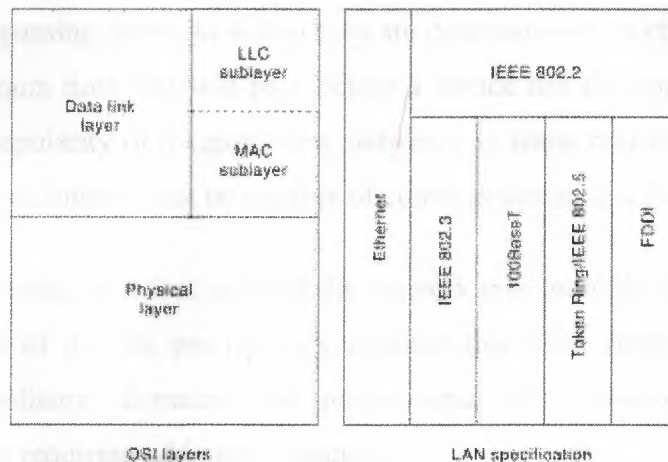


Figure 3 : Popular LAN Protocols Mapped to the OSI Reference Model

3.2.4. LAN MEDIA-ACCESS METHODS

Media contention occurs when two or more network devices have data to send at the same time. Because multiple devices cannot talk on the network simultaneously, some type of method must be used to allow one device access to the network media at a time. This is done in two main ways: carrier sense multiple access collision detect (CSMA/CD) and token passing.

In networks using CSMA/CD technology such as Ethernet, network devices contend for the network media. When a device has data to send, it first listens to see if any other device is currently using the network. If not, it starts sending its data. After finishing its transmission, it listens again to see if a collision occurred. A collision occurs when two devices send data simultaneously. When a collision happens, each device waits a random length of time before resending its data. In most cases, a collision will not occur again between the two devices. Because of this type of network contention, the busier a network becomes, the more collisions

occur. This is why performance of Ethernet degrades rapidly as the number of devices on a single network increases.

In token-passing networks such as Token Ring and FDDI, a special network packet called a token is passed around the network from device to device. When a device has data to send, it must wait until it has the token and then sends its data. When the data transmission is complete, the token is released so that other devices may use the network media. The main advantage of token-passing networks is that they are deterministic. In other words, it is easy to calculate the maximum time that will pass before a device has the opportunity to send data. This explains the popularity of token-passing networks in some real-time environments such as factories, where machinery must be capable of communicating at a determinable interval.

For CSMA/CD networks, switches segment the network into multiple collision domains. This reduces the number of devices per network segment that must contend for the media. By creating smaller collision domains, the performance of a network can be increased significantly without requiring addressing changes.

Normally CSMA/CD networks are half-duplex, meaning that while a device sends information, it cannot receive at the time. While that device is talking, it is incapable of also listening for other traffic. This is much like a walkie-talkie. When one person wants to talk, he presses the transmit button and begins speaking. While he is talking, no one else on the same frequency can talk. When the sending person is finished, he releases the transmit button and the frequency is available to others.

When switches are introduced, full-duplex operation is possible. Full-duplex works much like a telephone—you can listen as well as talk at the same time. When a network device is attached directly to the port of a network switch, the two devices may be capable of operating in full-duplex mode. In full-duplex mode, performance can be increased, but not quite as much as some like to claim. A 100-Mbps Ethernet segment is capable of transmitting 200 Mbps of data, but only 100 Mbps can travel in one direction at a time. Because most data connections are asymmetric (with more data traveling in one direction than the other), the gain is not as great as many claim. However, full-duplex operation does increase the throughput of most applications because the network media is no longer shared. Two devices on a full-duplex connection can send data as soon as it is ready.

Token-passing networks such as Token Ring can also benefit from network switches. In large networks, the delay between turns to transmit may be significant because the token is passed around the network.

3.2.5. LAN TOPOLOGIES

LAN topologies define the manner in which network devices are organized. Four common LAN topologies exist: bus, ring, star, and tree. These topologies are logical architectures, but the actual devices need not be physically organized in these configurations. Logical bus and ring topologies, for example, are commonly organized physically as a star. A bus topology is a linear LAN architecture in which transmissions from network stations propagate the length of the medium and are received by all other stations. Of the three most widely used LAN implementations, Ethernet/IEEE 802.3 networks—including 100BaseT—implement a bus topology, which is illustrated in Figure 5.1.



Figure 5.1 : Some Networks Implement a Local Bus Topology

A ring topology is a LAN architecture that consists of a series of devices connected to one another by unidirectional transmission links to form a single closed loop. Both Token Ring/IEEE 802.5 and FDDI networks implement a ring topology. Figure 5.2 depicts a logical ring topology.

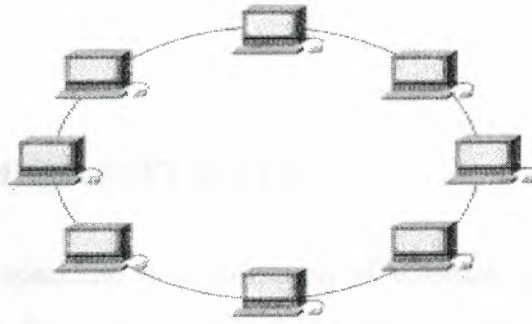


Figure 5.2 : Some Networks Implement a Logical Ring Topology

A star topology is a LAN architecture in which the endpoints on a network are connected to a common central hub, or switch, by dedicated links. Logical bus and ring topologies are often implemented physically in a star topology, which is illustrated in Figure 5.3.

A tree topology is a LAN architecture that is identical to the bus topology, except that branches with multiple nodes are possible in this case. Figure 5.3 illustrates a logical tree topology.

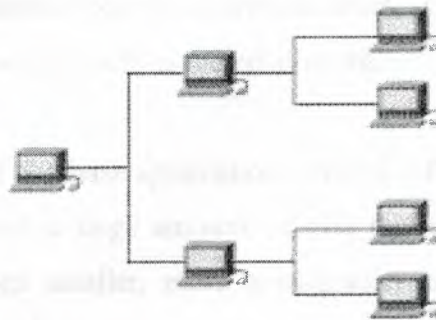


Figure 5.3 : A Logical Tree Topology Can Contain Multiple Nodes

4. DATABASES

4.1. DATABASES - MICROSOFT ACCESS

A database, generally speaking, is a collection of information specially organized into a group. The information should be organized in a way that allows for easy retrieval. As an example, a telephone book is a non-computerized database of information. It is organized in alphabetical order and includes information such as names, addresses, and telephone numbers.

Computerized databases allow you to manipulate large amounts of data quickly and easily. They simplify have tasks such as searching for specific data, organizing and sorting data, and making corrections or changes to data.

In Microsoft Access, the data is stored in tables. Every table has a structure that provides for the collection, organization, storage, and retrieval of data within the tables.

A table consists of fields and records. Fields are categories of information. For example, in an address table, you may maintain names, addresses, cities, states, and zip codes. A set of fields which contains data for a single entry is called a record.

MS Access is a relational database application (DBMS – Data Base Management System). A relational database contains a large amount of data that is split into numerous interrelated tables. Each table is then smaller, more manageable, and, in turn, more efficient. In a relational database, each table should represent one subject, for example, Name, Address, or Zip Code. These tables can then be joined together to make them related. When tables are related, you can access information from any of the fields in the related tables. This way your reports, forms, and queries, can be based on information from any of the related data tables.

4.2. DATABASE TABLE OF PROGRAM

4.2.1. Db.TABLE OF NEW PATIENT

This is the database table of new patient. We can see field name, description, size and type all information.(Figure 1).

Tablo1 : Tablo			
Alan Adı	Veri Türü	Tanım	
HEIGHT	Metin	PATIENT HEIGHT	
WEIGHT	Metin	PATIENT WEIGHT	
RESPIRATION	Metin	PATIENT RESPIRATION	
BLOOD PRESSURE	Metin	PATIENT BLOOD PRESSURE	
USED MEDICINES	Metin	PATIENT USED MEDICINES	
ANAMNESIS	Metin	PATIENT ANAMNESIS	
COMPLAINTS	Metin	PATIENT COMPLAINTS	
PROSTHESIS	Metin	PATIENT PROSTHESIS	
HEARING TOOLS	Metin	PATIENT HEARING TOOLS	
REACTIONS	Metin	PATIENT REACTIONS	
MOTHER TONGUE	Metin	PATIENT MOTHER TONGUE	
ACHE	Metin	PATIENT ACHE	
PLACE OF ACHE	Metin	PATIENT PLACE OF ACHE	
COUGHER	Metin	PATIENT COUGHER	
HEARD PULSE	Metin	PATIENT HEARD PULSE	
ALCHOL	Metin	PATIENT ALCHOL	
LAST JOB DECLARATION	Metin	PATIENT LAST JOB DECLARATION	
SMOKING	Metin	PATIENT SMOKING	
DRUG	Metin	PATIENT DRUG	
HIV	Metin	PATIENT HIV	
SURGICAL INTERVENTION	Metin	PATIENT SURGICAL INTERVENTION	
Alan Özellikleri			
Genel	Arama		
Alan Boyutu	50		
Biçim			
Giriş Maskesi			
Resim Yazısı			
Varsayılan Değer			
Geçerlilik Kuralı			
Geçerlilik Metni			
Gerekli	Hayır		
Sıfır Uzunluk İzni	Evet		
Sıralı	Hayır		
Unicode Sıkıştırma	Evet		
IME Modu	Denetim Yok		
IME Tümce Modu	Hiçbiri		
			Alan açıklaması isteğe bağlıdır. Alanı açıklamanıza yardım eder. Ayrıca, bir formda alanı seçtiğiniz zaman durum çubuğunda açıklamanız görünür. Açıklamalar hakkında Yardım almak için F1 tuşuna basın.

Figure 1

4.2.2. Db.TABLE OF PATIENT ANALYSING

This is the database table of patient analysing. We can see field name, description, size and type all information.(Figure 2).

Tablo1 : Tablo		
Alan Adı	Veri Türü	Tanım
PROTOCOL_NO	Metin	PATIENT PROTOCOL_NO
NAME	Metin	PATIENT NAME
SURNAME	Metin	PATIENT SURNAME
BIRTH DATE	Metin	PATIENT BIRTH DATE
DEPARTMENT	Metin	PATIENT DEPARTMENT
ROOM_NO	Metin	PATIENT ROOM_NO
CLINICAL RESULTS	Metin	PATIENT CLINICAL RESULTS
LABORATORY RESULTS	Metin	PATIENT LABORATORY RESULTS
RONGEN RESULTS	Metin	PATIENT RONGEN RESULTS
Alan Özellikleri		
Genel	Arama	
Alan Boyutu	50	
Biçim		
Giriş Maskesi		
Resim Yazısı		
Varsayılan Değer		
Geçerlilik Kuralı		
Geçerlilik Metni		
Gerekli	Hayır	
Sıfır Uzunluk İzni	Evet	
Sıralı	Hayır	
Unicode Sıkıştırma	Evet	
IME Modu	Denetim Yok	
IME Tümce Modu	Hiçbiri	

Alan açıklaması isteğe bağlıdır. Alanı açıklamanıza yardım eder. Ayrıca, bir formda alanı seçtiğiniz zaman durum çubuğunda açıklamanız görünür. Açıklamalar hakkında Yardım almak için F1 tuşuna basın.

Figure 2

4.2.3. Db.TABLE OF DAILY MEDICINE

This is the database table of daily medicine. We can see field name, description, size and type all information.(Figure 3).

Tablo1 - Tablo		
Alan Adı	Veri Türü	Tanım
PROTOCOL_NO	Metin	PATIENT PROTOCOL_NO
MEDICINE NAME	Metin	PATIENT MEDICINE NAME
DRINKING WAYS	Metin	PATIENT MEDICINE DRINKING WAYS
TIME INTERVAL	Metin	PATIENT MEDICINE TIME INTERVAL
TOTAL DOSE	Metin	PATIENT MEDICINE TOTAL DOSE
NAME	Metin	PATIENT NAME
SURNAME	Metin	PATIENT SURNAME
Alan Özellikleri		
Genel	Arama	
Alan Boyutu	50	
Biçim		
Giriş Maskesi		
Resim Yazısı		
Varsayılan Değer		
Geçerlilik Kuralı		
Geçerlilik Metni		
Gerekli	Hayır	
Sıfır Uzunluk İzni	Evet	
Sıralı	Hayır	
Unicode Sıkıştırma	Evet	
IME Modu	Denetim Yok	
IME Tümce Modu	Hiçbiri	

Alan açıklaması isteğe bağlıdır. Alanı açıklamanıza yardım eder. Ayrıca, bir formda alanı seçtiğiniz zaman durum çubuğunda açıklamanız görünür. Açıklamalar hakkında Yardım almak için F1 tuşuna basın.

Figure 3

4.2.4. Db.TABLE OF PATIENT ID

This is the database table of patient id. We can see field name, description, size and type all information.(Figure 4).

Tablo1 : Tablo

Alan Adı	Veri Türü	Tanım
PROTOCOL_NO	Metin	PATIENT PROTOCOL_NO
NAME	Metin	PATIENT NAME
SURNAME	Metin	PATIENT SURNAME
SEX	Metin	PATIENT SEX
CIVIL STATUS	Metin	PATIENT CIVIL STATUS
EDUCATION	Metin	PATIENT EDUCATION
BIRTH DATE	Metin	PATIENT BIRTH DATE
JOB	Metin	PATIENT JOB
CITY	Metin	PATIENT CITY
ADRESS	Metin	PATIENT ADDRESS
TELEPHONE	Metin	PATIENT TELEPHONE

Alan Özellikleri

Genel

Arama

Alan Boyutu	50
Birim	
Giriş Maskesi	
Resim Yazısı	
Varsayılan Değer	
Geçerlilik Kuralı	
Geçerlilik Metni	
Gerekli	Hayır
Sıfır Uzunluk İzni	Evet
Sıralı	Hayır
Unicode Sıkıştırma	Evet
IME Modu	Denetim Yok
IME Tümce Modu	Hiçbiri

Alan açıklaması isteğe bağlıdır. Alanı açıklamanıza yardım eder. Ayrıca, bir formda alanı seçtiğiniz zaman durum çubuğunda açıklamanız görünür. Açıklamalar hakkında Yardım almak için F1 tuşuna basın.

Figure 4

4.2.5. Db.TABLE OF PATIENT DATA

This is the database table of patient data. We can see field name, description, size and type all information.(Figure 5).

Tablo1 : Tablo

Alan Adı	Veri Türü	Tanım
PROTOCOL_NO	Metin	PATIENT_PROTOCOL_NO
NAME	Metin	PATIENT_NAME
SURNAME	Metin	PATIENT_SURNAME
ENTER DATE	Metin	PATIENT_ENTER DATE OF HOSPITAL
EXIT DATE	Metin	PATIENT_EXIT DATE OF HOSPITAL
RECOGNITION	Metin	PATIENT RECOGNITION
TREATMENT	Metin	PATIENT TREATMENT
USED MEDICINES	Metin	PATIENT USED MEDICINES

Alan Özellikleri

Genel

Arama

Alan Boyutu

50

Biçim

Giriş Maskesi

Resim Yazısı

Verisayın Değer

Geçerlilik Kuralı

Geçerlilik Metni

Gerekli

Hayır

Sıfır Uzunluk İzni

Evet

Sıralı

Hayır

Unicode Sıkıştırma

Evet

IME Modu

Denetim Yok

IME Tümce Modu

Hiçbiri

Alan açıklaması isteğe bağlıdır. Alanı açıklamaya yardım eder. Ayrıca, bir formda alanı seçtiğiniz zaman durum çubuğunda açıklamanız görünür. Açıklamalar hakkında Yardım almak için F1 tuşuna basın.

Figure 5

5. HOSPITAL AUTOMATION

5.1. DESCRIPTION PROCESS

5.1.1. STARTING SCREEN

This is the starting form of the program. We can go to the main menu.

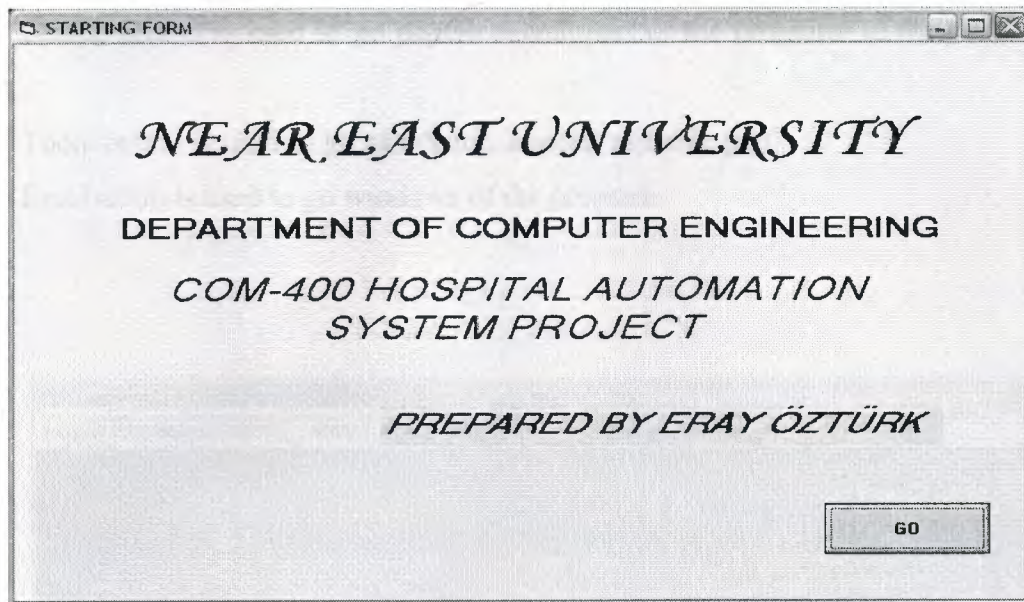


Figure 1

5.1.2. MAIN MENU SCREEN

This is the main menu of the program. There is also some sub menus on the top of the main menu. From the main menu we can go sub programs by using this sub menus. We can see all sub programs and hospital picture on the main menu.

Patient information button is used to go patient information part of the program. In the part we enter patient information.

Doctor button is used to go doctor information part of the program. In the part we enter patient analysing and daily medicine of patient and we see patient report.

Search button is used to go patient search part of the program. In the part we search patient.

Tools button is used to go calculator, freecell and note pad.

Exit button is used to go windows of the program.



Figure 2

5.1.3. NEW PATIENT

This is the new patient of the program. In the part we save, delete and search patient. There is four pages every page enter the patient information. This pages we enter the patient data. We can go patient search and exit the program. We can see this buttons top of form. If the patient has recorded before information will be displayed on screen.(Figure 3).

The screenshot displays a software window titled "NEW PATIENT" with a menu bar containing "PATIENT SEARCH" and "EXIT". The main area is titled "PATIENT INFORMATION" and is divided into four pages: PAGE1, PAGE2, PAGE3, and PAGE4. PAGE1 (left) contains fields for "PROTOCOL_NO" (002), "NAME" (ÖMÜR), "SURNAME" (ÖZTÜRK), "BIRTH DATE" (29-11-1984), and "JOBS" (Student). A "SEARCH" button is next to the "PROTOCOL_NO" field. PAGE2 (right) contains fields for "ADRESS" (50. YIL CAD), "TELEPHONE" (8552971), "SEX" (Female), "CIVIL STATUS" (Single), and "EDUCATION" (University). Below these pages is the "PATIENT ACCEPTANCE" section, which includes fields for "PROTOCOL_NO" (002), "DOCTOR NAME" (ERAY ÖZTÜRK), "FIRST SYMPTOMATICS" (YAPILMADI), "DEPARTMENT" (Orthopedics), "NURSE NAME" (BERRİN GÜMÜŞ), and "ROOM_NO" (2). At the bottom of the window are buttons for "CLEAR", "DELETE", "SAVE", "PREVIOUS", and "NEXT", along with a set of navigation arrows.

Figure 3

5.1.4. DAILY MEDICINES

This is the daily medicines of the program. In the part we save, delete and find patient daily medicines and we can see MSHflexgrid. New patient information we can see in the MSflexgrid. If the patient has recorded before information will be displayed on screen.(Figure 4).

PROTOCOL	NAME	SURNAME	BIRTH DAT	JOBS	ADRESS	TELEF
002	ÖMÜR	ÖZTÜRK	29-11-1984	Student	50. YIL CAD	85529
003	ÖMER	ŞENPOLAT	14-02-1979	Student	YENİ MAHA	45632
004	ERGÜN	KURT	15-11-1978	Student	YUNUS EM	12378
005	MEHMET	DEĞİRMEN	10-01-1980	Student	YENİKENT	78912

Figure 4

5.1.5. PATIENT ANALYSING

This is the patient analysing of the program. In the part we see patient clinical, laboratory and rongen results. However we can patient search with protocol_no, new patient analysing save and delete. If the patient has recorded before information will be displayed on screen.(Figure 5).

The screenshot shows a software window titled "PATIENT ANALYSING" with a standard Windows-style title bar (minimize, maximize, close buttons). Inside the window, there is an "EXIT" button in the top-left corner. Below it, a "PROTOCOL_NO" field contains the value "004". To the right of this field are four buttons: "FIND", "SAVE", "DELETE", and "CLEAR".

Below these controls is a section titled "IDENTITY" enclosed in a rectangular frame. This section contains six input fields arranged in two columns:

- Left column: "NAME" (value: "ERGUN"), "SURNAME" (value: "KURT"), and "BIRTH DATE" (value: "15-11-1978").
- Right column: "PROTOCOL_NO" (value: "004"), "DEPARTMENT" (a dropdown menu showing "Internal Affairs"), and "ROOM_NO" (value: "4").

Below the "IDENTITY" section are three text input fields for results:

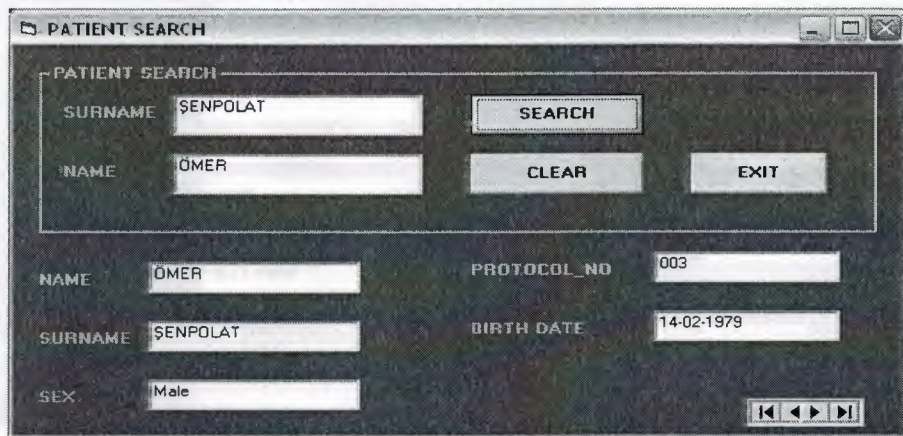
- "CLINICAL RESULTS" with the value "TEMİZ".
- "LABORATORY RESULTS" with the value "YAPILMADI".
- "RONGEN RESULTS" with the value "YAPILMADI".

In the bottom-right corner of the window, there is a small navigation control with four buttons: a left arrow, a double left arrow, a double right arrow, and a right arrow.

Figure 5

5.1.6. PATIENT SEARCH

This is the patient search of the program. In the part we search patient name and surname and we find patient sex, protocol_no and birth date. This page relationship between new patient. If the patient has recorded before information will be displayed on screen.(Figure 6).



The screenshot shows a window titled "PATIENT SEARCH". Inside, there is a section labeled "PATIENT SEARCH" with input fields for "SURNAME" (containing "ŞENPOLAT") and "NAME" (containing "ÖMER"). To the right of these fields are buttons for "SEARCH", "CLEAR", and "EXIT". Below this section, the search results are displayed in a grid-like format:

NAME	ÖMER	PROTOCOL_NO	003
SURNAME	ŞENPOLAT	BIRTH DATE	14-02-1979
SEX	Male		

At the bottom right of the results area, there is a small navigation bar with icons for first, previous, next, and last record.

Figure 6

5.1.7. PATIENT ID

This is the patient id of the program. In the part we enter patient id and we go new patient and patient search. If the patient has recorded before information will be displayed on screen.(Figure 7).

The screenshot shows a software window titled "PATIENT ID" with a menu bar containing "FILE", "SEARCH", and "EXIT". The interface includes several buttons: "NEW PATIENT", "SAVE", "CLEAR", and "DELETE". A "FIND" button is located next to a "PROTOCOL_NO" input field which contains the value "004". Below these are input fields for "NAME" (ERGUN), "SURNAME" (KURT), "SEX" (Male), "CIVIL STATUS" (Single), "EDUCATION" (University), and "BIRTH DATE" (15-11-1978). To the right of these fields are input fields for "PROTOCOL_NO" (004), "JOB" (Student), "CITY" (ANKARA), "ADRESS" (YUNUS EMRE), and "TELEPHONE" (123789). At the bottom, there is a table displaying a list of patients:

	PROTOCOL	NAME	SURNAME	SEX	CIVIL STAT
	003	ÖMER	SENPOLAT	Male	Single
	004	ERGUN	KURT	Male	Single

Navigation arrows are present at the bottom of the table.

Figure 7

5.1.8. PATIENT DATA

This is the patient data of the program. In the part we enter patient which date enter the my hospital and which date exit, recognition, treatment and used medicines. If the patient has recorded before information will be displayed on screen.(Figure 8).

The screenshot shows a window titled "PATIENT DATA" with a dark background. At the top, there are four buttons: "SAVE", "DELETE", "CLEAR", and "EXIT". Below these, there is a label "PROTOCOL_NO" followed by a text box containing "006" and a "FIND" button. A section titled "PATIENT DATA" contains a form with the following fields:

PROTOCOL_NO	NAME	SURNAME
006	ESRA	DENİZ
ENTER DATE	EXIT DATE	RECOGNITION
29-01-2001	02-02-2001	HALSİZLİK
TREATMENT	USED MEDICINES	
İLAC	PEREBRON	

At the bottom right of the form, there are four navigation buttons: a double left arrow, a single left arrow, a single right arrow, and a double right arrow.

Figure 8

5.1.9. PATIENT REPORT

This is the daily medicine report from of the program. We can see daily medicine of patient and also we can see medicine name, drinking ways, time interval and total dose. If the patient has recorded before information will be displayed on screen.(Figure 9).

The screenshot shows a window titled "DataReport1" with a toolbar containing a printer icon and a zoom dropdown set to "100%". The window displays two patient reports. The first report is for Protocol No. 002, Patient Name: ÖMÜR, Surname: ÖZTÜRK, Medicine Name: PANADOL, Drinking Ways: AĞIZ, Time Interval: 7 Minute, and Total Dose: 1 ADET. The second report is for Protocol No. 003, Patient Name: ÖMER, Surname: ŞENPOLAT. The window has a scrollbar on the right and a page navigation bar at the bottom showing "Pages: 1".

PROTOCOL NO:	002		
NAME:	ÖMÜR	SURNAME:	ÖZTÜRK
MEDICINE NAME:	PANADOL	DRINKING WAYS:	AĞIZ
TIME INTERVAL:	7 Minute	TOTAL DOSE:	1 ADET

PROTOCOL NO:	003		
NAME:	ÖMER	SURNAME:	ŞENPOLAT

Pages: 1

Figure 9

6. CONCLUSION

Visual Basic is an easy program to grasp. This cause is why I have decided to use this program.

Visual Basic is a Microsoft Windows programming Language. Visual Basic is a distinctly different language providing powerfull features such as graphical user interfaces, even handling, access to the Win32 API, object-oriented features, error handling, structured programming, and much more.

In this project I made hotel database program. It is easy to use and It can be use most kind of hotels. I used Visual Basic for write this program and I used Microsoft Access database for keep all my databases.

In this study our main aim to put accross is that this program can be operated by some one who has never used it before.

In this program there is also menus to make your writting much simpler, It containing windows menus and also afacility to prepare reports.

7. REFERENCES

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- 2-) Prof. Dr. Mithat Uysal (1999). Development Of The Software with Visual Basic 6.0. Istanbul. Beta Press.
- 3-) Ihsan Karagülle ; Zeydin Pala (1999). Microsoft Visual Basic 6.0 Pro. Istanbul. Türkmen Press.
- 4-) Özel Erzurum Hastanesi, Erzurum
- 5-) Özel Başken Hastanesi, Lefkoşa

8. APPENDIX

8.1. STARTING FORM

```
Private Sub Command1_Click()  
Form1.Visible = False  
Form2.Visible = True  
End Sub
```

8.2. MAIN FORM

```
Private Sub mncalculator_Click()  
Dim X  
X = Shell("calc.exe", 2)  
End Sub
```

```
Private Sub mndailymedicine_Click()  
Form2.Visible = False  
Form4.Visible = True  
End Sub
```

```
Private Sub mnexit_click()  
Dim cevap  
cevap = MsgBox("Do You Want To Exit?", vbYesNo + vbQuestion + vbDefaultButton2 +  
vbSystemModal, "exit")  
If cevap = vbYes Then  
End  
End If  
End Sub
```

```
Private Sub mnfreecell_Click()  
Dim X  
X = Shell("freecell", 2)  
End Sub  
Private Sub mnnewpatient_Click()
```



```
Form2.Visible = False
```

```
Form3.Visible = True
```

```
End Sub
```

```
Private Sub mnnotepad_Click()
```

```
Dim X
```

```
X = Shell("notepad.exe", 2)
```

```
End Sub
```

```
Private Sub mnpatientanalysing_Click()
```

```
Form2.Visible = False
```

```
Form5.Visible = True
```

```
End Sub
```

```
Private Sub mnpatientdata_Click()
```

```
Form2.Visible = False
```

```
Form9.Visible = True
```

```
End Sub
```

```
Private Sub mnpatientid_Click()
```

```
Form2.Visible = False
```

```
Form8.Visible = True
```

```
End Sub
```

```
Private Sub mnpatientreport_Click()
```

```
DataReport1.Visible = True
```

```
End Sub
```

```
Private Sub mnpatientsearch_Click()
```

```
Form2.Visible = False
```

```
Form6.Visible = True
```

```
End Sub
```

8.3. NEW PATIENT FORM

```
Private Sub Command1_Click()
Dim db As Database
Dim tb As Recordset
Set db = OpenDatabase("C:\Documents and Settings\ERAY ÖZTÜRK\Desktop\Yeni
Klasör\NEW PATIENT.mdb")
Set tb = db.OpenRecordset("Tablo1")
C = 0
While Not tb.EOF
If Text1.Text = tb.Fields("PROTOCOL_NO") Then
Text1.Text = tb.Fields("PROTOCOL_NO")
Text2.Text = tb.Fields("NAME")
Text3.Text = tb.Fields("SURNAME")
Text4.Text = tb.Fields("BIRTH DATE")
Text5.Text = tb.Fields("ADRESS")
Text6.Text = tb.Fields("TELEPHONE")
Text7.Text = tb.Fields("PROTOCOL_NO")
Text8.Text = tb.Fields("DOCTOR NAME")
Text9.Text = tb.Fields("FIRST SYMTOMATICS")
Text10.Text = tb.Fields("NURSE NAME")
Text11.Text = tb.Fields("ROOM_NO")
Text12.Text = tb.Fields("BODY HEAT")
Text13.Text = tb.Fields("PULSATION")
Text14.Text = tb.Fields("HEIGHT")
Text15.Text = tb.Fields("WEIGHT")
Text16.Text = tb.Fields("BLOOD PRESSURE")
Text17.Text = tb.Fields("PROTOCOL_NO")
Text18.Text = tb.Fields("ANAMNESIS")
Text20.Text = tb.Fields("COMPLAINTS")
Text21.Text = tb.Fields("PROSTHESIS")
Text22.Text = tb.Fields("HEARING TOOLS")
Text23.Text = tb.Fields("REACTIONS")
Text24.Text = tb.Fields("PROTOCOL_NO")
```

```

Text25.Text = tb.Fields("HEARD PULSE")
Text26.Text = tb.Fields("LAST JOB DECLARATION")
Text27.Text = tb.Fields("HIV")
Combo1 = tb.Fields("JOBS")
Combo2 = tb.Fields("SEX")
Combo3 = tb.Fields("CIVIL STATUS")
Combo4 = tb.Fields("EDUCATION")
Combo5 = tb.Fields("DEPARTMENT")
Combo6 = tb.Fields("ALLERGY")
Combo7 = tb.Fields("BLOOD GROUP")
Combo8 = tb.Fields("RESPIRATION")
Combo9 = tb.Fields("USED MEDICINES")
Combo10 = tb.Fields("MOTHER TONGUE")
Combo11 = tb.Fields("ACHE")
Combo12 = tb.Fields("PLACE OF ACHE")
Combo13 = tb.Fields("COUGHER")
Combo14 = tb.Fields("ALCHOL")
Combo15 = tb.Fields("SMOKING")
Combo16 = tb.Fields("DRUG")
Combo17 = tb.Fields("SURGICIAL INTERVENTION")
Check1 = tb.Fields("SMOKE IN THE ROOM")
Check2 = tb.Fields("SERVICES")
Check3 = tb.Fields("CALLER")
Check4 = tb.Fields("BANQUET")
Check5 = tb.Fields("TLF")
Check6 = tb.Fields("CALLING SYSTEM")
Check7 = tb.Fields("TV-VCD")
C = C + 1
End If
tb.MoveNext
Wend
If C < 1 Then MsgBox ("Not Found Record")
End Sub

```



```

Private Sub Command2_Click()
Dim cevap
cevap = MsgBox("Do You Want To Save?", vbYesNo + vbQuestion + vbDefaultButton2 +
vbSystemModal, "exit")
If cevap = vbYes Then
Set db = OpenDatabase("C:\Documents and Settings\ERAY ÖZTÜRK\Desktop\Yeni
Klasör\NEW PATIENT.mdb")
Set tb = db.OpenRecordset("Tablo1")
tb.AddNew
tb.Fields("PROTOCOL_NO") = Text1.Text
tb.Fields("NAME") = Text2.Text
tb.Fields("SURNAME") = Text3.Text
tb.Fields("BIRTH DATE") = Text4.Text
tb.Fields("ADRESS") = Text5.Text
tb.Fields("TELEPHONE") = Text6.Text
tb.Fields("PROTOCOL_NO") = Text7.Text
tb.Fields("DOCTOR NAME") = Text8.Text
tb.Fields("FIRST SYMTOMATICS") = Text9.Text
tb.Fields("NURSE NAME") = Text10.Text
tb.Fields("ROOM_NO") = Text11.Text
tb.Fields("BODY HEAT") = Text12.Text
tb.Fields("PULSATION") = Text13.Text
tb.Fields("HEIGHT") = Text14.Text
tb.Fields("WEIGHT") = Text15.Text
tb.Fields("BLOOD PRESSURE") = Text16.Text
tb.Fields("PROTOCOL_NO") = Text17.Text
tb.Fields("ANAMNESIS") = Text18.Text
tb.Fields("COMPLAINTS") = Text20.Text
tb.Fields("PROSTHESIS") = Text21.Text
tb.Fields("HEARING TOOLS") = Text22.Text
tb.Fields("REACTIONS") = Text23.Text
tb.Fields("PROTOCOL_NO") = Text24.Text
tb.Fields("HEARD PULSE") = Text25.Text
tb.Fields("LAST JOB DECLARATION") = Text26.Text

```

```

tb.Fields("HIV") = Text27.Text
tb.Fields("JOBS") = Combo1.List(Combo1.ListIndex)
tb.Fields("SEX") = Combo2.List(Combo2.ListIndex)
tb.Fields("CIVIL STATUS") = Combo3.List(Combo3.ListIndex)
tb.Fields("EDUCATION") = Combo4.List(Combo4.ListIndex)
tb.Fields("DEPARTMENT") = Combo5.List(Combo5.ListIndex)
tb.Fields("ALLERGY") = Combo6.List(Combo6.ListIndex)
tb.Fields("BLOOD GROUP") = Combo7.List(Combo7.ListIndex)
tb.Fields("RESPIRATION") = Combo8.List(Combo8.ListIndex)
tb.Fields("USED MEDICINES") = Combo9.List(Combo9.ListIndex)
tb.Fields("MOTHER TONGUE") = Combo10.List(Combo10.ListIndex)
tb.Fields("ACHE") = Combo11.List(Combo11.ListIndex)
tb.Fields("PLACE OF ACHE") = Combo12.List(Combo12.ListIndex)
tb.Fields("COUGHER") = Combo13.List(Combo13.ListIndex)
tb.Fields("ALCHOL") = Combo14.List(Combo14.ListIndex)
tb.Fields("SMOKING") = Combo15.List(Combo15.ListIndex)
tb.Fields("DRUG") = Combo16.List(Combo16.ListIndex)
tb.Fields("SURGICIAL INTERVENTION") = Combo17.List(Combo17.ListIndex)
tb.Fields("SMOKE IN THE ROOM") = Check1.Value
tb.Fields("SERVICES") = Check2.Value
tb.Fields("CALLER") = Check3.Value
tb.Fields("BANQUET") = Check4.Value
tb.Fields("TLF") = Check5.Value
tb.Fields("CALLING SYSTEM") = Check6.Value
tb.Fields("TV-VCD") = Check7.Value
tb.Update
Text1.Text = ""
Text2.Text = ""
Text3.Text = ""
Text4.Text = ""
Text5.Text = ""
Text6.Text = ""
Text7.Text = ""
Text8.Text = ""

```

Text9.Text = ""
Text10.Text = ""
Text11.Text = ""
Text12.Text = ""
Text13.Text = ""
Text14.Text = ""
Text15.Text = ""
Text16.Text = ""
Text17.Text = ""
Text18.Text = ""
Text20.Text = ""
Text21.Text = ""
Text22.Text = ""
Text23.Text = ""
Text24.Text = ""
Text25.Text = ""
Text26.Text = ""
Text27.Text = ""
Combo1.Text = ""
Combo2.Text = ""
Combo3.Text = ""
Combo4.Text = ""
Combo5.Text = ""
Combo6.Text = ""
Combo7.Text = ""
Combo8.Text = ""
Combo9.Text = ""
Combo10.Text = ""
Combo11.Text = ""
Combo12.Text = ""
Combo13.Text = ""
Combo14.Text = ""
Combo15.Text = ""
Combo16.Text = ""

Combo17.Text = ""

End If

End Sub

Private Sub Command3_Click()

Text1.Text = ""

Text2.Text = ""

Text3.Text = ""

Text4.Text = ""

Text5.Text = ""

Text6.Text = ""

Text7.Text = ""

Text8.Text = ""

Text9.Text = ""

Text10.Text = ""

Text11.Text = ""

Text12.Text = ""

Text13.Text = ""

Text14.Text = ""

Text15.Text = ""

Text16.Text = ""

Text17.Text = ""

Text18.Text = ""

Text20.Text = ""

Text21.Text = ""

Text22.Text = ""

Text23.Text = ""

Text24.Text = ""

Text25.Text = ""

Text26.Text = ""

Text27.Text = ""

Combo1.Text = ""

Combo2.Text = ""

Combo3.Text = ""

```

Combo4.Text = ""
Combo5.Text = ""
Combo6.Text = ""
Combo7.Text = ""
Combo8.Text = ""
Combo9.Text = ""
Combo10.Text = ""
Combo11.Text = ""
Combo12.Text = ""
Combo13.Text = ""
Combo14.Text = ""
Combo15.Text = ""
Combo16.Text = ""
Combo17.Text = ""
End Sub

```

```
Private Sub Command5_Click()
```

```
Dim db As Database
```

```
Dim tb As Recordset
```

```
Set db = OpenDatabase("C:\Documents and Settings\ERAY ÖZTÜRK\Desktop\Yeni  
Klasör\NEW PATIENT.mdb")
```

```
Set tb = db.OpenRecordset("Tablo1")
```

```
While Not tb.EOF
```

```
If Text1.Text = tb.Fields("PROTOCOL_NO") Then
```

```
tb.MovePrevious
```

```
Text1.Text = tb.Fields("PROTOCOL_NO")
```

```
Text2.Text = tb.Fields("NAME")
```

```
Text3.Text = tb.Fields("SURNAME")
```

```
Text4.Text = tb.Fields("BIRTH DATE")
```

```
Text5.Text = tb.Fields("ADRESS")
```

```
Text6.Text = tb.Fields("TELEPHONE")
```

```
Text7.Text = tb.Fields("PROTOCOL_NO")
```

```
Text8.Text = tb.Fields("DOCTOR NAME")
```

```
Text9.Text = tb.Fields("FIRST SYMTOMATICS")
```

Text10.Text = tb.Fields("NURSE NAME")
 Text11.Text = tb.Fields("ROOM_NO")
 Text12.Text = tb.Fields("BODY HEAT")
 Text13.Text = tb.Fields("PULSATION")
 Text14.Text = tb.Fields("HEIGHT")
 Text15.Text = tb.Fields("WEIGHT")
 Text16.Text = tb.Fields("BLOOD PRESSURE")
 Text17.Text = tb.Fields("PROTOCOL_NO")
 Text18.Text = tb.Fields("ANAMNESIS")
 Text20.Text = tb.Fields("COMPLAINTS")
 Text21.Text = tb.Fields("PROSTHESIS")
 Text22.Text = tb.Fields("HEARING TOOLS")
 Text23.Text = tb.Fields("REACTIONS")
 Text24.Text = tb.Fields("PROTOCOL_NO")
 Text25.Text = tb.Fields("HEARD PULSE")
 Text26.Text = tb.Fields("LAST JOB DECLARATION")
 Text27.Text = tb.Fields("HIV")
 Combo1.Text = tb.Fields("JOBS")
 Combo2.Text = tb.Fields("SEX")
 Combo3.Text = tb.Fields("CIVIL STATUS")
 Combo4.Text = tb.Fields("EDUCATION")
 Combo5.Text = tb.Fields("DEPARTMENT")
 Combo6.Text = tb.Fields("ALLERGY")
 Combo7.Text = tb.Fields("BLOOD GROUP")
 Combo8.Text = tb.Fields("RESPIRATION")
 Combo9.Text = tb.Fields("USED MEDICINES")
 Combo10.Text = tb.Fields("MOTHER TONGUE")
 Combo11.Text = tb.Fields("ACHE")
 Combo12.Text = tb.Fields("PLACE OF ACHE")
 Combo13.Text = tb.Fields("COUGHER")
 Combo14.Text = tb.Fields("ALCHOL")
 Combo15.Text = tb.Fields("SMOKING")
 Combo16.Text = tb.Fields("DRUG")
 Combo17.Text = tb.Fields("SURGICIAL INTERVENTION")


```

Check1.Value = tb.Fields("SMOKE IN THE ROOM")
Check2.Value = tb.Fields("SERVICES")
Check3.Value = tb.Fields("CALLER")
Check4.Value = tb.Fields("BANQUET")
Check5.Value = tb.Fields("TLF")
Check6.Value = tb.Fields("CALLING SYSTEM")
Check7.Value = tb.Fields("TV-VCD")
End If
tb.MoveNext
Wend
End Sub

Private Sub Command6_Click()
Dim db As Database
Dim tb As Recordset
Set db = OpenDatabase("C:\Documents and Settings\ERAY ÖZTÜRK\Desktop\Yeni
Klasör\NEW PATIENT.mdb")
Set tb = db.OpenRecordset("Tablo1")
While Not tb.EOF
If Text1.Text = tb.Fields("protocol_no") Then
tb.MoveNext
Text1.Text = tb.Fields("PROTOCOL_NO")
Text2.Text = tb.Fields("NAME")
Text3.Text = tb.Fields("SURNAME")
Text4.Text = tb.Fields("BIRTH DATE")
Text5.Text = tb.Fields("ADRESS")
Text6.Text = tb.Fields("TELEPHONE")
Text7.Text = tb.Fields("PROTOCOL_NO")
Text8.Text = tb.Fields("DOCTOR NAME")
Text9.Text = tb.Fields("FIRST SYMTOMATICS")
Text10.Text = tb.Fields("NURSE NAME")
Text11.Text = tb.Fields("ROOM_NO")
Text12.Text = tb.Fields("BODY HEAT")
Text13.Text = tb.Fields("PULSATION")

```

Text14.Text = tb.Fields("HEIGHT")
 Text15.Text = tb.Fields("WEIGHT")
 Text16.Text = tb.Fields("BLOOD PRESSURE")
 Text17.Text = tb.Fields("PROTOCOL_NO")
 Text18.Text = tb.Fields("ANAMNESIS")
 Text20.Text = tb.Fields("COMPLAINTS")
 Text21.Text = tb.Fields("PROSTHESIS")
 Text22.Text = tb.Fields("HEARING TOOLS")
 Text23.Text = tb.Fields("REACTIONS")
 Text24.Text = tb.Fields("PROTOCOL_NO")
 Text25.Text = tb.Fields("HEARD PULSE")
 Text26.Text = tb.Fields("LAST JOB DECLARATION")
 Text27.Text = tb.Fields("HIV")
 Combo1.Text = tb.Fields("JOBS")
 Combo2.Text = tb.Fields("SEX")
 Combo3.Text = tb.Fields("CIVIL STATUS")
 Combo4.Text = tb.Fields("EDUCATION")
 Combo5.Text = tb.Fields("DEPARTMENT")
 Combo6.Text = tb.Fields("ALLERGY")
 Combo7.Text = tb.Fields("BLOOD GROUP")
 Combo8.Text = tb.Fields("RESPIRATION")
 Combo9.Text = tb.Fields("USED MEDICINES")
 Combo10.Text = tb.Fields("MOTHER TONGUE")
 Combo11.Text = tb.Fields("ACHE")
 Combo12.Text = tb.Fields("PLACE OF ACHE")
 Combo13.Text = tb.Fields("COUGHER")
 Combo14.Text = tb.Fields("ALCHOL")
 Combo15.Text = tb.Fields("SMOKING")
 Combo16.Text = tb.Fields("DRUG")
 Combo17.Text = tb.Fields("SURGICIAL INTERVENTION")
 Check1.Value = tb.Fields("SMOKE IN THE ROOM")
 Check2.Value = tb.Fields("SERVICES")
 Check3.Value = tb.Fields("CALLER")
 Check4.Value = tb.Fields("BANQUET")

```

Check5.Value = tb.Fields("TLF")
Check6.Value = tb.Fields("CALLING SYSTEM")
Check7.Value = tb.Fields("TV-VCD")
End If
tb.MoveNext
Wend
End Sub

Private Sub Command9_Click()
Dim cevap
cevap = MsgBox("Do You Want To Delete This Data?", vbYesNo + vbQuestion +
vbDefaultButton2 + vbSystemModal, "exit")
If cevap = vbYes Then
Dim db As Database
Dim tb As Recordset
Set db = OpenDatabase("C:\Documents and Settings\ERAY ÖZTÜRK\Desktop\Yeni
Klasör\NEW PATIENT.mdb")
Set tb = db.OpenRecordset("Tablo1")
C = 0
While Not tb.EOF
If Text1.Text = tb.Fields("PROTOCOL_NO") Then
tb.Delete
Text1.Text = ""
Text2.Text = ""
Text3.Text = ""
Text4.Text = ""
Text5.Text = ""
Text6.Text = ""
Text7.Text = ""
Text8.Text = ""
Text9.Text = ""
Text10.Text = ""
Text11.Text = ""
Text12.Text = ""

```



```

Text13.Text = ""
Text14.Text = ""
Text15.Text = ""
Text16.Text = ""
Text17.Text = ""
Text18.Text = ""
Text20.Text = ""
Text21.Text = ""
Text22.Text = ""
Text23.Text = ""
Text24.Text = ""
Text25.Text = ""
Text26.Text = ""
Text27.Text = ""
Combo1.List(Combo1.ListIndex) = ""
Combo2.List(Combo2.ListIndex) = ""
Combo3.List(Combo3.ListIndex) = ""
Combo4.List(Combo4.ListIndex) = ""
Combo5.List(Combo5.ListIndex) = ""
Combo6.List(Combo6.ListIndex) = ""
Combo7.List(Combo7.ListIndex) = ""
Combo8.List(Combo8.ListIndex) = ""
Combo9.List(Combo9.ListIndex) = ""
Combo10.List(Combo10.ListIndex) = ""
Combo11.List(Combo11.ListIndex) = ""
Combo12.List(Combo12.ListIndex) = ""
Combo13.List(Combo13.ListIndex) = ""
Combo14.List(Combo14.ListIndex) = ""
Combo15.List(Combo15.ListIndex) = ""
Combo16.List(Combo16.ListIndex) = ""
Combo17.List(Combo17.ListIndex) = ""
C = C + 1
End If
tb.MoveNext

```

```
Wend
If C < 1 Then MsgBox ("Not Found Record")
End If
End Sub
```

```
Private Sub Form_Load()
Combo1.AddItem "Engineer"
Combo1.AddItem "Doctor"
Combo1.AddItem "Teacher"
Combo1.AddItem "Driver"
Combo1.AddItem "Sailor"
Combo1.AddItem "Student"
Combo1.AddItem "Worker"
Combo1.AddItem "Police"
Combo1.AddItem "Army"
Combo2.AddItem "Male"
Combo2.AddItem "Female"
Combo3.AddItem "Single"
Combo3.AddItem "Married"
Combo4.AddItem "Kinder School"
Combo4.AddItem "Primary School"
Combo4.AddItem "High School"
Combo4.AddItem "College"
Combo4.AddItem "University"
Combo4.AddItem "Master"
Combo4.AddItem "Doctoreph.d"
Combo5.AddItem "Orthopedics"
Combo5.AddItem "Dermatology"
Combo5.AddItem "Internal Affairs"
Combo5.AddItem "Urology"
Combo5.AddItem "Dentistry"
Combo5.AddItem "Oculist"
Combo5.AddItem "Breast"
Combo6.AddItem "YES"
```

Combo6.AddItem "NO"
Combo7.AddItem "Arh +"
Combo7.AddItem "Arh -"
Combo7.AddItem "ABrh +"
Combo7.AddItem "ABrh -"
Combo7.AddItem "Brh +"
Combo7.AddItem "Brh -"
Combo7.AddItem "Orh +"
Combo7.AddItem "Orh -"
Combo8.AddItem "Good"
Combo8.AddItem "Bed"
Combo8.AddItem "Normal"
Combo9.AddItem "Antibiotic"
Combo9.AddItem "Serum"
Combo9.AddItem "Apranax"
Combo9.AddItem "Panadol"
Combo9.AddItem "Buscas"
Combo9.AddItem "Aspirin"
Combo9.AddItem "Duact"
Combo9.AddItem "Perebron"
Combo9.AddItem "Sultasid"
Combo9.AddItem "Cefaks"
Combo9.AddItem "Talsid"
Combo10.AddItem "English"
Combo10.AddItem "Turkish"
Combo10.AddItem "France"
Combo10.AddItem "Italy"
Combo10.AddItem "Germany"
Combo10.AddItem "Sweden"
Combo10.AddItem "Arab"
Combo10.AddItem "America"
Combo10.AddItem "Azerbaijan"
Combo11.AddItem "Few"
Combo11.AddItem "Much"

Combo11.AddItem "Too Much"
Combo11.AddItem "Absent"
Combo12.AddItem "Head"
Combo12.AddItem "Belly"
Combo12.AddItem "Arm"
Combo12.AddItem "Foot"
Combo12.AddItem "Eye"
Combo12.AddItem "Kindey"
Combo12.AddItem "Heart"
Combo12.AddItem "Ear"
Combo12.AddItem "Tooth"
Combo13.AddItem "Few"
Combo13.AddItem "Too Much"
Combo13.AddItem "Absent"
Combo14.AddItem "Few"
Combo14.AddItem "Too Much"
Combo14.AddItem "Absent"
Combo15.AddItem "YES"
Combo15.AddItem "NO"
Combo16.AddItem "Absent"
Combo16.AddItem "Too Much"
Combo16.AddItem "Few"
Combo17.AddItem "YES"
Combo17.AddItem "NO"
Text1.Text = ""
Text2.Text = ""
Text3.Text = ""
Text4.Text = ""
Text5.Text = ""
Text6.Text = ""
Text7.Text = ""
Text8.Text = ""
Text9.Text = ""
Text10.Text = ""

Text11.Text = ""
Text12.Text = ""
Text13.Text = ""
Text14.Text = ""
Text15.Text = ""
Text16.Text = ""
Text17.Text = ""
Text18.Text = ""
Text20.Text = ""
Text21.Text = ""
Text22.Text = ""
Text23.Text = ""
Text24.Text = ""
Text25.Text = ""
Text26.Text = ""
Text27.Text = ""
Label1.Caption = "PROTOCOL_NO"
Label2.Caption = "PATIENT INFORMATION"
Label3.Caption = "NAME"
Label4.Caption = "SURNAME"
Label5.Caption = "BIRTH DATE"
Label6.Caption = "JOBS"
Label7.Caption = "ADRESS"
Label8.Caption = "TELEPHONE"
Label9.Caption = "SEX"
Label10.Caption = "CIVIL STATUS"
Label11.Caption = "EDUCATION"
Label12.Caption = "PATIENT ACCEPTANCE"
Label13.Caption = "PROTOCOL_NO"
Label14.Caption = "DOCTOR NAME"
Label15.Caption = "FIRST SYMTOMATICS"
Label16.Caption = "NURSE NAME"
Label17.Caption = "DEPARTMENT"
Label18.Caption = "ROOM_NO"

Label19.Caption = "ALLERGY"
Label20.Caption = "BLOOD GROUP"
Label21.Caption = "BODY HEAT"
Label22.Caption = "PULSATION"
Label23.Caption = "HEIGHT"
Label24.Caption = "WEIGHT"
Label25.Caption = "RESPIRATION"
Label26.Caption = "BLOOD PRESSURE"
Label27.Caption = "USED MEDICINES"
Label28.Caption = "PROTOCOL_NO"
Label29.Caption = "ANAMNESIS"
Label31.Caption = "COMPLAINTS"
Label32.Caption = "PROSTHESIS"
Label33.Caption = "HEARING TOOLS"
Label34.Caption = "REACTIONS"
Label35.Caption = "MOTHER TONGUE"
Label36.Caption = "ACHE"
Label37.Caption = "PLACE OF ACHE"
Label38.Caption = "COUGHER"
Label39.Caption = "PROTOCOL_NO"
Label40.Caption = "HEARD PULSE"
Label41.Caption = "ALCHOL"
Label42.Caption = "LAST JOB DECLARATION"
Label43.Caption = "SMOKING"
Label44.Caption = "DRUG"
Label45.Caption = "HIV"
Label46.Caption = "SURGICIAL INTERVENTION"
Check1.Caption = "SMOKE IN THE ROOM"
Check2.Caption = "SERVICES"
Check3.Caption = "CALLER"
Check4.Caption = "BANQUET"
Check5.Caption = "TLF"
Check6.Caption = "CALLING SYSTEM"
Check7.Caption = "TV-VCD"

End Sub

Private Sub mnexit_click()

Dim cevap

cevap = MsgBox("Do you want to exit program?", vbYesNo + vbQuestion +
vbDefaultButton2 + vbSystemModal, "exit")

If cevap = vbYes Then

Form3.Visible = False

Form2.Visible = True

End If

End Sub

Private Sub mnpatientsearch_Click()

Form3.Visible = False

Form6.Visible = True

End Sub

8.4. DAILY MEDICINES FORM

```
Private Sub Command1_Click()
Dim db As Database
Dim tb As Recordset
Set db = OpenDatabase("C:\Documents and Settings\ERAY ÖZTÜRK\Desktop\Yeni
Klasör\DAIly MEDICINES.mdb")
Set tb = db.OpenRecordset("Tablo1")
C = 0
While Not tb.EOF
If Text1.Text = tb.Fields("PROTOCOL_NO") Then
Text1.Text = tb.Fields("PROTOCOL_NO")
Text2.Text = tb.Fields("MEDICINE NAME")
Text3.Text = tb.Fields("DRINKING WAYS")
Text4.Text = tb.Fields("TOTAL DOSE")
Text5.Text = tb.Fields("NAME")
Text6.Text = tb.Fields("SURNAME")
Text7.Text = tb.Fields("PROTOCOL_NO")
Combo1 = tb.Fields("TIME INTERVAL")
C = C + 1
End If
tb.MoveNext
Wend
If C < 1 Then MsgBox ("Not Found Record")
End Sub

Private Sub Command2_Click()
Dim cevap
cevap = MsgBox("Do You Want To Save?", vbYesNo + vbQuestion + vbDefaultButton2 +
vbSystemModal, "exit")
If cevap = vbYes Then
Set db = OpenDatabase("C:\Documents and Settings\ERAY ÖZTÜRK\Desktop\Yeni
Klasör\DAIly MEDICINES.mdb")
Set tb = db.OpenRecordset("Tablo1")
```

```

tb.AddNew
tb.Fields("PROTOCOL_NO") = Text1.Text
tb.Fields("MEDICINE NAME") = Text2.Text
tb.Fields("DRINKING WAYS") = Text3.Text
tb.Fields("TOTAL DOSE") = Text4.Text
tb.Fields("NAME") = Text5.Text
tb.Fields("SURNAME") = Text6.Text
tb.Fields("PROTOCOL_NO") = Text7.Text
tb.Fields("TIME INTERVAL") = Combo1.List(Combo1.ListIndex)
tb.Update
Text1.Text = ""
Text2.Text = ""
Text3.Text = ""
Text4.Text = ""
Text5.Text = ""
Text6.Text = ""
Text7.Text = ""
Combo1.Text = ""
End If
End Sub

```

```

Private Sub Command3_Click()
Dim cevap
cevap = MsgBox("Do You Want To Delete This Data?", vbYesNo + vbQuestion +
vbDefaultButton2 + vbSystemModal, "exit")
If cevap = vbYes Then
Dim db As Database
Dim tb As Recordset
Set db = OpenDatabase("C:\Documents and Settings\ERAY ÖZTÜRK\Desktop\Yeni
Klasör\DAILY MEDICINES.mdb")
Set tb = db.OpenRecordset("Tablo1")
C = 0
While Not tb.EOF
If Text1.Text = tb.Fields("PROTOCOL_NO") Then

```

```

tb.Delete
Text1.Text = ""
Text2.Text = ""
Text3.Text = ""
Text4.Text = ""
Text5.Text = ""
Text6.Text = ""
Text7.Text = ""
Combo1.List(Combo1.ListIndex) = ""
C = C + 1
End If
tb.MoveNext
Wend
If C < 1 Then MsgBox ("Not Found Record")
End If
End Sub

```

```

Private Sub Command4_Click()

```

```

Text1.Text = ""
Text2.Text = ""
Text3.Text = ""
Text4.Text = ""
Text5.Text = ""
Text6.Text = ""
Text7.Text = ""
Combo1.Text = ""
End Sub

```

```

Private Sub Form_Load()

```

```

Text1.Text = ""
Text2.Text = ""
Text3.Text = ""
Text4.Text = ""
Text5.Text = ""

```

```

Text6.Text = ""
Text7.Text = ""
Label1.Caption = "PROTOCOL_NO"
Label2.Caption = "MEDICINE NAME"
Label3.Caption = "DRINKING WAYS"
Label4.Caption = "TIME INTERVAL"
Label5.Caption = "TOTAL DOSE"
Label6.Caption = "PATIENT NAME"
Label7.Caption = "PATIENT SURNAME"
Label8.Caption = "PROTOCOL_NO"
Command1.Caption = "FIND"
Combo1.AddItem "5 Minute"
Combo1.AddItem "2 Minute"
Combo1.AddItem "7 Minute"
Combo1.AddItem "1 Hour"
Combo1.AddItem "2 Hour"
Combo1.AddItem "5 Hour"
Combo1.AddItem "3 Hour"
End Sub

Private Sub mnexit_click()
Dim cevap
cevap = MsgBox("Do you want to exit program?", vbYesNo + vbQuestion +
vbDefaultButton2 + vbSystemModal, "exit")
If cevap = vbYes Then
Form4.Visible = False
Form2.Visible = True
End If
End Sub

Private Sub mnnewpatient_Click()
Form4.Visible = False
Form3.Visible = True
End Sub

```



```
Private Sub mnpatientsearch_Click()
```

```
Form4.Visible = False
```

```
Form6.Visible = True
```

```
End Sub
```

```
Private Sub mnsave_Click()
```

```
Dim cevap
```

```
cevap = MsgBox("Do You Want To Save?", vbYesNo + vbQuestion + vbDefaultButton2 +  
vbSystemModal, "exit")
```

```
If cevap = vbYes Then
```

```
Set db = OpenDatabase("C:\Documents and Settings\ERAY ÖZTÜRK\Desktop\Yeni  
Klasör\DAILY MEDICINES.mdb")
```

```
Set tb = db.OpenRecordset("Tablo1")
```

```
tb.AddNew
```

```
tb.Fields("PROTOCOL_NO") = Text1.Text
```

```
tb.Fields("MEDICINE NAME") = Text2.Text
```

```
tb.Fields("DRINKING WAYS") = Text3.Text
```

```
tb.Fields("TOTAL DOSE") = Text4.Text
```

```
tb.Fields("NAME") = Text5.Text
```

```
tb.Fields("SURNAME") = Text6.Text
```

```
tb.Fields("PROTOCOL_NO") = Text7.Text
```

```
tb.Fields("TIME INTERVAL") = Combo1.List(Combo1.ListIndex)
```

```
tb.Update
```

```
Text1.Text = ""
```

```
Text2.Text = ""
```

```
Text3.Text = ""
```

```
Text4.Text = ""
```

```
Text5.Text = ""
```

```
Text6.Text = ""
```


```
Text7.Text = ""
```

```
Combo1.Text = ""
```

```
End If
```

```
End Sub
```

8.5. PATIENT ANALYSING FORM



```
Private Sub Command1_Click()
Dim db As Database
Dim tb As Recordset
Set db = OpenDatabase("C:\Documents and Settings\ERAY ÖZTÜRK\Desktop\Yeni
Klasör\PATIENT ANALYSING.mdb")
Set tb = db.OpenRecordset("Tablo1")
C = 0
While Not tb.EOF
If Text1.Text = tb.Fields("PROTOCOL_NO") Then
Text1.Text = tb.Fields("PROTOCOL_NO")
Text2.Text = tb.Fields("NAME")
Text3.Text = tb.Fields("SURNAME")
Text4.Text = tb.Fields("BIRTH DATE")
Text5.Text = tb.Fields("PROTOCOL_NO")
Text6.Text = tb.Fields("ROOM_NO")
Text7.Text = tb.Fields("CLINICAL RESULTS")
Text8.Text = tb.Fields("LABORATORY RESULTS")
Text9.Text = tb.Fields("RONGEN RESULTS")
Combo1 = tb.Fields("DEPARTMENT")
C = C + 1
End If
tb.MoveNext
Wend
If C < 1 Then MsgBox ("Not Found Record")
End Sub

Private Sub Command2_Click()
Dim cevap
cevap = MsgBox("Do You Want To Save?", vbYesNo + vbQuestion + vbDefaultButton2 +
vbSystemModal, "exit")
If cevap = vbYes Then
```

```

Set db = OpenDatabase("C:\Documents and Settings\ERAY ÖZTÜRK\Desktop\Yeni
Klasör\PATIENT ANALYSING.mdb")
Set tb = db.OpenRecordset("Tablo1")
tb.AddNew
tb.Fields("PROTOCOL_NO") = Text1.Text
tb.Fields("NAME") = Text2.Text
tb.Fields("SURNAME") = Text3.Text
tb.Fields("BIRTH DATE") = Text4.Text
tb.Fields("PROTOCOL_NO") = Text5.Text
tb.Fields("ROOM_NO") = Text6.Text
tb.Fields("CLINICAL RESULTS") = Text7.Text
tb.Fields("LABORATORY RESULTS") = Text8.Text
tb.Fields("RONGEN RESULTS") = Text9.Text
tb.Fields("DEPARTMENT") = Combo1.List(Combo1.ListIndex)
tb.Update
Text1.Text = ""
Text2.Text = ""
Text3.Text = ""
Text4.Text = ""
Text5.Text = ""
Text6.Text = ""
Text7.Text = ""
Text8.Text = ""
Text9.Text = ""
Combo1.Text = ""
End If
End Sub

```

```

Private Sub Command3_Click()
Dim cevap
cevap = MsgBox("Do You Want To Delete This Data?", vbYesNo + vbQuestion +
vbDefaultButton2 + vbSystemModal, "exit")
If cevap = vbYes Then
Dim db As Database

```

```

Dim tb As Recordset
Set db = OpenDatabase("C:\Documents and Settings\ERAY ÖZTÜRK\Desktop\Yeni
Klasör\PATIENT ANALYSING.mdb")
Set tb = db.OpenRecordset("Tablo1")
C = 0
While Not tb.EOF
If Text1.Text = tb.Fields("PROTOCOL_NO") Then
tb.Delete
Text1.Text = ""
Text2.Text = ""
Text3.Text = ""
Text4.Text = ""
Text5.Text = ""
Text6.Text = ""
Text7.Text = ""
Text8.Text = ""
Text9.Text = ""
Combo1.List(Combo1.ListIndex) = ""
C = C + 1
End If
tb.MoveNext
Wend
If C < 1 Then MsgBox ("Not Found Record")
End If
End Sub

Private Sub Command4_Click()
Text1.Text = ""
Text2.Text = ""
Text3.Text = ""
Text4.Text = ""
Text5.Text = ""
Text6.Text = ""
Text7.Text = ""

```



```
Text8.Text = ""  
Text9.Text = ""  
Combo1.Text = ""  
End Sub
```

```
Private Sub Form_Load()  
Text1.Text = ""  
Text2.Text = ""  
Text3.Text = ""  
Text4.Text = ""  
Text5.Text = ""  
Text6.Text = ""  
Text7.Text = ""  
Text8.Text = ""  
Text9.Text = ""  
Label1.Caption = "PROTOCOL_NO"  
Label2.Caption = "NAME"  
Label3.Caption = "SURNAME"  
Label4.Caption = "BIRTH DATE"  
Label5.Caption = "PROTOCOL_NO"  
Label6.Caption = "DEPARTMENT"  
Label7.Caption = "ROOM_NO"  
Label8.Caption = "CLINICAL RESULTS"  
Label9.Caption = "LABORATORY RESULTS"  
Label10.Caption = "RONGEN RESULTS"  
Combo1.AddItem "Orthopedics"  
Combo1.AddItem "Dermatology"  
Combo1.AddItem "Internal Affairs"  
Combo1.AddItem "Urology"  
Combo1.AddItem "Dentistry"  
Combo1.AddItem "Oculist"  
Combo1.AddItem "Breast"  
Command1.Caption = "FIND"  
Command2.Caption = "SAVE"
```

End Sub

Private Sub mnexit_click()

Dim cevap

cevap = MsgBox("Do you want to exit program?", vbYesNo + vbQuestion +
vbDefaultButton2 + vbSystemModal, "exit")

If cevap = vbYes Then

Form5.Visible = False

Form2.Visible = True

End If

End Sub

Private Sub btnFind_Click()

Text1.Text = txtFields("SURNAME")

Text2.Text = txtFields("NAME")

Text3.Text = txtFields("AGE")

Text4.Text = txtFields("SEX")

Text5.Text = txtFields("PROTECT")

Text6.Text = txtFields("PROTECT")

Text7.Text = txtFields("BIRTH DATE")

Form5.Visible = True

End Sub

Private Sub

btnMoveNext_Click()

Form5.Visible = True

Form5.Visible = True

End Sub

Private Sub btnClose_Click()

Form5.Visible = True

cevap = MsgBox("Do you want to exit program?", vbYesNo + vbQuestion +

vbDefaultButton2 + vbSystemModal, "exit")

If cevap = vbYes Then

Form5.Visible = False

Form2.Visible = True

End If

End Sub

8.6. PATIENT SEARCH FORM

```
Private Sub Command1_Click()
Dim db As Database
Dim tb As Recordset
Set db = OpenDatabase("C:\Documents and Settings\ERAY ÖZTÜRK\Desktop\Yeni
Klasör\NEW PATIENT.mdb")
Set tb = db.OpenRecordset("Tablo1")
C = 0
While Not tb.EOF
If Text1.Text = tb.Fields("SURNAME") Then
If Text2.Text = tb.Fields("NAME") Then
Text1.Text = tb.Fields("SURNAME")
Text2.Text = tb.Fields("NAME")
Text3.Text = tb.Fields("NAME")
Text4.Text = tb.Fields("SURNAME")
Text5.Text = tb.Fields("SEX")
Text6.Text = tb.Fields("PROTOCOL_NO")
Text7.Text = tb.Fields("BIRTH DATE")
C = C + 1
End If
End If
tb.MoveNext
Wend
If C < 1 Then MsgBox ("Not Found Record")
End Sub

Private Sub Command2_Click()
Dim cevap
cevap = MsgBox("Do you want to exit program?", vbYesNo + vbQuestion +
vbDefaultButton2 + vbSystemModal, "exit")
If cevap = vbYes Then
Form6.Visible = False
Form2.Visible = True
```

```
End If
End Sub
```

```
Private Sub Command3_Click()
```

```
Text1.Text = ""
```

```
Text2.Text = ""
```

```
Text3.Text = ""
```

```
Text4.Text = ""
```

```
Text5.Text = ""
```

```
Text6.Text = ""
```

```
Text7.Text = ""
```

```
End Sub
```

```
Private Sub Form_Load()
```

```
Text1.Text = ""
```

```
Text2.Text = ""
```

```
Text3.Text = ""
```

```
Text4.Text = ""
```

```
Text5.Text = ""
```

```
Text6.Text = ""
```

```
Text7.Text = ""
```

```
Label1.Caption = "SURNAME"
```

```
Label2.Caption = "NAME"
```

```
Label3.Caption = "NAME"
```

```
Label4.Caption = "SURNAME"
```

```
Label5.Caption = "SEX"
```

```
Label6.Caption = "PROTOCOL_NO"
```

```
Label7.Caption = "BIRTH DATE"
```

```
Command1.Caption = "SEARCH"
```

```
Command2.Caption = "EXIT"
```

```
End Sub
```


8.7. PATIENT ID FORM

```
Private Sub Command1_Click()
```

```
Form8.Visible = False
```

```
Form3.Visible = True
```

```
End Sub
```

```
Private Sub Command2_Click()
```

```
Dim cevap
```

```
cevap = MsgBox("Do You Want To Save?", vbYesNo + vbQuestion + vbDefaultButton2 +  
vbSystemModal, "exit")
```

```
If cevap = vbYes Then
```

```
Set db = OpenDatabase("C:\Documents and Settings\ERAY ÖZTÜRK\Desktop\Yeni  
Klasör\PATIENT ID.mdb")
```

```
Set tb = db.OpenRecordset("Tablo1")
```

```
tb.AddNew
```

```
tb.Fields("PROTOCOL_NO") = Text1.Text
```

```
tb.Fields("NAME") = Text2.Text
```

```
tb.Fields("SURNAME") = Text3.Text
```

```
tb.Fields("BIRTH DATE") = Text4.Text
```

```
tb.Fields("PROTOCOL_NO") = Text5.Text
```

```
tb.Fields("CITY") = Text6.Text
```

```
tb.Fields("ADRESS") = Text7.Text
```

```
tb.Fields("TELEPHONE") = Text8.Text
```

```
tb.Fields("SEX") = Combo1.List(Combo1.ListIndex)
```

```
tb.Fields("CIVIL STATUS") = Combo2.List(Combo2.ListIndex)
```

```
tb.Fields("EDUCATION") = Combo3.List(Combo3.ListIndex)
```

```
tb.Fields("JOB") = Combo4.List(Combo4.ListIndex)
```

```
tb.Update
```

```
Text1.Text = ""
```

```
Text2.Text = ""
```

```
Text3.Text = ""
```

```
Text4.Text = ""
```

```
Text5.Text = ""
```

```

Text6.Text = ""
Text7.Text = ""
Text8.Text = ""
Combo1.Text = ""
Combo2.Text = ""
Combo3.Text = ""
Combo4.Text = ""
End If
End Sub

Private Sub Command3_Click()
Dim db As Database
Dim tb As Recordset
Set db = OpenDatabase("C:\Documents and Settings\ERAY ÖZTÜRK\Desktop\Yeni
Klasör\PATIENT ID.mdb")
Set tb = db.OpenRecordset("Tablo1")
C = 0
While Not tb.EOF
If Text1.Text = tb.Fields("PROTOCOL_NO") Then
Text1.Text = tb.Fields("PROTOCOL_NO")
Text2.Text = tb.Fields("NAME")
Text3.Text = tb.Fields("SURNAME")
Text4.Text = tb.Fields("BIRTH DATE")
Text5.Text = tb.Fields("PROTOCOL_NO")
Text6.Text = tb.Fields("CITY")
Text7.Text = tb.Fields("ADRESS")
Text8.Text = tb.Fields("TELEPHONE")
Combo1 = tb.Fields("SEX")
Combo2 = tb.Fields("CIVIL STATUS")
Combo3 = tb.Fields("EDUCATION")
Combo4 = tb.Fields("JOB")
C = C + 1
End If
tb.MoveNext

```

```

Wend
If C < 1 Then MsgBox ("Not Found Record")
End Sub

```

```

Private Sub Command4_Click()

```

```

Text1.Text = ""

```

```

Text2.Text = ""

```

```

Text3.Text = ""

```

```

Text4.Text = ""

```

```

Text5.Text = ""

```

```

Text6.Text = ""

```

```

Text7.Text = ""

```

```

Text8.Text = ""

```

```

Combo1.Text = ""

```

```

Combo2.Text = ""

```

```

Combo3.Text = ""

```

```

Combo4.Text = ""

```

```

End Sub

```

```

Private Sub Command5_Click()

```

```

Dim cevap

```

```

cevap = MsgBox("Do You Want To Delete This Data?", vbYesNo + vbQuestion +
vbDefaultButton2 + vbSystemModal, "exit")

```

```

If cevap = vbYes Then

```

```

Dim db As Database

```

```

Dim tb As Recordset

```

```

Set db = OpenDatabase("C:\Documents and Settings\ERAY ÖZTÜRK\Desktop\Yeni
Klasör\PATIENT ID.mdb")

```

```

Set tb = db.OpenRecordset("Tablo1")

```

```

C = 0

```

```

While Not tb.EOF

```

```

If Text1.Text = tb.Fields("PROTOCOL_NO") Then

```

```

tb.Delete

```

```

Text1.Text = ""

```

```

Text2.Text = ""
Text3.Text = ""
Text4.Text = ""
Text5.Text = ""
Text6.Text = ""
Text7.Text = ""
Text8.Text = ""

Combo1.List(Combo1.ListIndex) = ""
Combo2.List(Combo2.ListIndex) = ""
Combo3.List(Combo3.ListIndex) = ""
Combo4.List(Combo4.ListIndex) = ""

C = C + 1
End If
tb.MoveNext
Wend

If C < 1 Then MsgBox ("Not Found Record")
End If
End Sub

```

```

Private Sub Form_Load()
MSHFlexGrid1.Cols = 12
MSHFlexGrid1.Rows = 10
MSHFlexGrid1.Row = 0
MSHFlexGrid1.Col = 1
MSHFlexGrid1.Text = "PROTOCOL_NO"
MSHFlexGrid1.Col = 2
MSHFlexGrid1.Text = "NAME"
MSHFlexGrid1.Col = 3
MSHFlexGrid1.Text = "SURNAME"
MSHFlexGrid1.Col = 4
MSHFlexGrid1.Text = "SEX"
MSHFlexGrid1.Col = 5
MSHFlexGrid1.Text = "CIVIL STATUS"
MSHFlexGrid1.Col = 6

```



```
MSHFlexGrid1.Text = "EDUCATION"
MSHFlexGrid1.Col = 7
MSHFlexGrid1.Text = "BIRTH DATE"
MSHFlexGrid1.Col = 8
MSHFlexGrid1.Text = "JOB"
MSHFlexGrid1.Col = 9
MSHFlexGrid1.Text = "CITY"
MSHFlexGrid1.Col = 10
MSHFlexGrid1.Text = "ADRESS"
MSHFlexGrid1.Col = 11
MSHFlexGrid1.Text = "TELEPHONE"
Text1.Text = ""
Text2.Text = ""
Text3.Text = ""
Text4.Text = ""
Text5.Text = ""
Text6.Text = ""
Text7.Text = ""
Text8.Text = ""
Label1.Caption = "PROTOCOL_NO"
Label2.Caption = "NAME"
Label3.Caption = "SURNAME"
Label4.Caption = "SEX"
Label5.Caption = "CIVIL STATUS"
Label6.Caption = "EDUCATION"
Label7.Caption = "BIRTH DATE"
Label8.Caption = "PROTOCOL_NO"
Label9.Caption = "JOB"
Label10.Caption = "CITY"
Label11.Caption = "ADRESS"
Label12.Caption = "TELEPHONE"
Combo1.AddItem "Male"
Combo1.AddItem "Female"
Combo2.AddItem "Single"
```

```

Combo2.AddItem "Married"
Combo3.AddItem "Kinder School"
Combo3.AddItem "Primary School"
Combo3.AddItem "High School"
Combo3.AddItem "College"
Combo3.AddItem "University"
Combo3.AddItem "Master"
Combo3.AddItem "Doctoreph.d"
Combo4.AddItem "Engineer"
Combo4.AddItem "Doctor"
Combo4.AddItem "Teacher"
Combo4.AddItem "Driver"
Combo4.AddItem "Sailor"
Combo4.AddItem "Student"
Combo4.AddItem "Worker"
Combo4.AddItem "Police"
Combo4.AddItem "Army"
End Sub

Private Sub mnexit_click()
Dim cevap
cevap = MsgBox("Do you want to exit program?", vbYesNo + vbQuestion +
vbDefaultButton2 + vbSystemModal, "exit")
If cevap = vbYes Then
Form8.Visible = False
Form2.Visible = True
End If
End Sub

Private Sub mnnewpatient_Click()
Form8.Visible = False
Form3.Visible = True
End Sub

```

```
Private Sub mnpatientsearch_Click()
```

```
Form8.Visible = False
```

```
Form6.Visible = True
```

```
End Sub
```

```
Private Sub mnsave_Click()
```

```
Dim cevap
```

```
cevap = MsgBox("Do You Want To Save?", vbYesNo + vbQuestion + vbDefaultButton2 +  
vbSystemModal, "exit")
```

```
If cevap = vbYes Then
```

```
Set db = OpenDatabase("C:\Documents and Settings\ERAY ÖZTÜRK\Desktop\Yeni  
Klasör\PATIENT ID.mdb")
```

```
Set tb = db.OpenRecordset("Tablo1")
```

```
tb.AddNew
```

```
tb.Fields("PROTOCOL_NO") = Text1.Text
```

```
tb.Fields("NAME") = Text2.Text
```

```
tb.Fields("SURNAME") = Text3.Text
```

```
tb.Fields("BIRTH DATE") = Text4.Text
```

```
tb.Fields("PROTOCOL_NO") = Text5.Text
```

```
tb.Fields("CITY") = Text6.Text
```

```
tb.Fields("ADRESS") = Text7.Text
```

```
tb.Fields("TELEPHONE") = Text8.Text
```

```
tb.Fields("SEX") = Combo1.List(Combo1.ListIndex)
```

```
tb.Fields("CIVIL STATUS") = Combo2.List(Combo2.ListIndex)
```

```
tb.Fields("EDUCATION") = Combo3.List(Combo3.ListIndex)
```

```
tb.Fields("JOB") = Combo4.List(Combo4.ListIndex)
```

```
tb.Update
```

```
Text1.Text = ""
```

```
Text2.Text = ""
```

```
Text3.Text = ""
```

```
Text4.Text = ""
```

```
Text5.Text = ""
```

```
Text6.Text = ""
```

```
Text7.Text = ""
```

```
Text8.Text = "" DATA FORM
```

```
Combo1.Text = ""
```

```
Combo2.Text = ""
```

```
Combo3.Text = ""
```

```
Combo4.Text = ""
```

```
End If
```

```
End Sub
```

```
Dim C As Integer
```

```
While Not IsEOF
```

```
If Text1.Text = <Field>("PATIENT_ID") Then
```

```
Text1.Text = <Field>("PROTOCOL_NO")
```

```
Text2.Text = <Field>("NAME")
```

```
Text3.Text = <Field>("SURNAME")
```

```
Text4.Text = <Field>("ENTER DATE")
```

```
Text5.Text = <Field>("RECOGNITION")
```

```
Text6.Text = <Field>("TREATMENT")
```

```
Text7.Text = <Field>("USED MEDICINES")
```

```
Text8.Text = <Field>("PROTOCOL_NO")
```

```
Text9.Text = <Field>("EXIT DATE")
```

```
C = C + 1
```

```
End
```

```
Do MoveNext
```

```
Wend
```

```
MsgBox "Not Found Record"
```

```
End Sub
```

```
Private Sub Command1_Click()
```

```
Dim C As Integer
```

```
Do While Not IsEOF: <Field>("PATIENT_ID") = <Field>("PROTOCOL_NO") + <Field>("NAME") + <Field>("SURNAME") + <Field>("ENTER DATE") + <Field>("RECOGNITION") + <Field>("TREATMENT") + <Field>("USED MEDICINES") + <Field>("PROTOCOL_NO") + <Field>("EXIT DATE")
```

```
Do While Not IsEOF
```

```
Do While Not IsEOF
```

```
Set <Field>("PATIENT_ID") = <Field>("PROTOCOL_NO") + <Field>("NAME") + <Field>("SURNAME") + <Field>("ENTER DATE") + <Field>("RECOGNITION") + <Field>("TREATMENT") + <Field>("USED MEDICINES") + <Field>("PROTOCOL_NO") + <Field>("EXIT DATE")
```

```
Do While Not IsEOF
```


8.8. PATIENT DATA FORM

```
Private Sub Command1_Click()
Dim db As Database
Dim tb As Recordset
Set db = OpenDatabase("C:\Documents and Settings\ERAY ÖZTÜRK\Desktop\Yeni
Klasör\PATIENT DATA.mdb")
Set tb = db.OpenRecordset("Tablo1")
C = 0
While Not tb.EOF
If Text1.Text = tb.Fields("PROTOCOL_NO") Then
Text1.Text = tb.Fields("PROTOCOL_NO")
Text2.Text = tb.Fields("NAME")
Text3.Text = tb.Fields("SURNAME")
Text4.Text = tb.Fields("ENTER DATE")
Text5.Text = tb.Fields("RECOGNITION")
Text6.Text = tb.Fields("TREATMENT")
Text7.Text = tb.Fields("USED MEDICINES")
Text8.Text = tb.Fields("PROTOCOL_NO")
Text9.Text = tb.Fields("EXIT DATE")
C = C + 1
End If
tb.MoveNext
Wend
If C < 1 Then MsgBox ("Not Found Record")
End Sub

Private Sub Command2_Click()
Dim cevap
cevap = MsgBox("Do You Want To Save?", vbYesNo + vbQuestion + vbDefaultButton2 +
vbSystemModal, "exit")
If cevap = vbYes Then
Set db = OpenDatabase("C:\Documents and Settings\ERAY ÖZTÜRK\Desktop\Yeni
Klasör\PATIENT DATA.mdb")
```

```

Set tb = db.OpenRecordset("Tablo1")
tb.AddNew
tb.Fields("PROTOCOL_NO") = Text1.Text
tb.Fields("NAME") = Text2.Text
tb.Fields("SURNAME") = Text3.Text
tb.Fields("ENTER DATE") = Text4.Text
tb.Fields("RECOGNITION") = Text5.Text
tb.Fields("TREATMENT") = Text6.Text
tb.Fields("USED MEDICINES") = Text7.Text
tb.Fields("PROTOCOL_NO") = Text8.Text
tb.Fields("EXIT DATE") = Text9.Text
tb.Update
Text1.Text = ""
Text2.Text = ""
Text3.Text = ""
Text4.Text = ""
Text5.Text = ""
Text6.Text = ""
Text7.Text = ""
Text8.Text = ""
Text9.Text = ""
End If
End Sub

```

```

Private Sub Command3_Click()
Dim cevap
cevap = MsgBox("Do You Want To Delete This Data?", vbYesNo + vbQuestion +
vbDefaultButton2 + vbSystemModal, "exit")
If cevap = vbYes Then
Dim db As Database
Dim tb As Recordset
Set db = OpenDatabase("C:\Documents and Settings\ERAY ÖZTÜRK\Desktop\Yeni
Klasör\PATIENT DATA.mdb")
Set tb = db.OpenRecordset("Tablo1")

```

```

C = 0
While Not tb.EOF
If Text1.Text = tb.Fields("PROTOCOL_NO") Then
tb.Delete
Text1.Text = ""
Text2.Text = ""
Text3.Text = ""
Text4.Text = ""
Text5.Text = ""
Text6.Text = ""
Text7.Text = ""
Text8.Text = ""
Text9.Text = ""
C = C + 1
End If
tb.MoveNext
Wend
If C < 1 Then MsgBox ("Not Found Record")
End If
End Sub

```

```

Private Sub Command4_Click()
Text1.Text = ""
Text2.Text = ""
Text3.Text = ""
Text4.Text = ""
Text5.Text = ""
Text6.Text = ""
Text7.Text = ""
Text8.Text = ""
Text9.Text = ""
End Sub

```



```

Private Sub Command5_Click()
Dim cevap
cevap = MsgBox("Do you want to exit program?", vbYesNo + vbQuestion +
vbDefaultButton2 + vbSystemModal, "exit")
If cevap = vbYes Then
Form9.Visible = False
Form2.Visible = True
End If
End Sub

```

```

Private Sub Form_Load()
Text1.Text = ""
Text2.Text = ""
Text3.Text = ""
Text4.Text = ""
Text5.Text = ""
Text6.Text = ""
Text7.Text = ""
Text8.Text = ""
Text9.Text = ""
Label1.Caption = "PROTOCOL_NO"
Label2.Caption = "NAME"
Label3.Caption = "SURNAME"
Label4.Caption = "ENTER DATE"
Label5.Caption = "RECOGNITION"
Label6.Caption = "TREATMENT"
Label7.Caption = "USED MEDICINES"
Label8.Caption = "PROTOCOL_NO"
Label9.Caption = "EXIT DATE"
End Sub

```