

Project – Clinic Appointments System

Develop a system to manage the appointments in a clinic. A record of the **patients** who attend to the clinic should be kept, as well as of the **doctors** who work on that clinic. The following data will be recorded about **patients**:

ID, First Name, Last Name, Sex, Address, Zip Code, Telephone, and Birth of Date.

About the **doctors** is required to register:

ID, Name, Last Name, Phone Number, and Specialty.

The following information is required about the **appointments**:

ID, Status (Open, Closed, Delayed, Missed, Cancelled), Location, Doctor, Patient, Date and Time.

The system must allow to manage doctors and patients (maintenance and search) as well as schedule, modify, remove and search appointments. Be sure that two appointments don't match in date and time at the time of schedule them.

The system can be used by the clinic **staff** or the system **administrator**, so there are **two types of users** of the system, and depending on the user type, the system allows to go to the main menu, manage password and any other functionality you want to add. According to this, the system should have a login window.

The following picture will give you an idea about the project design:

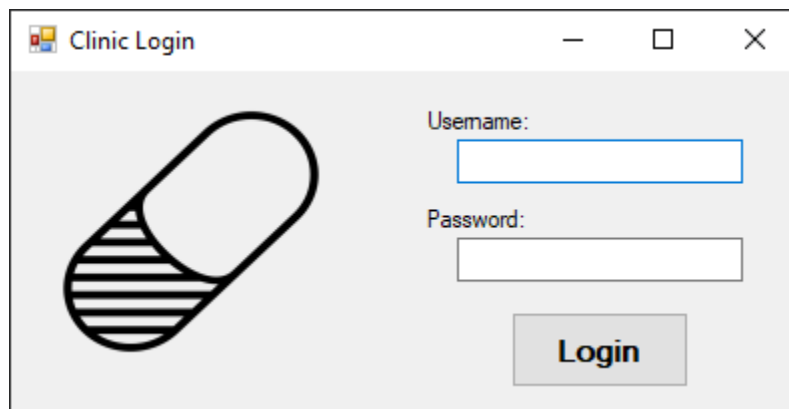


Figure 1. Login window.

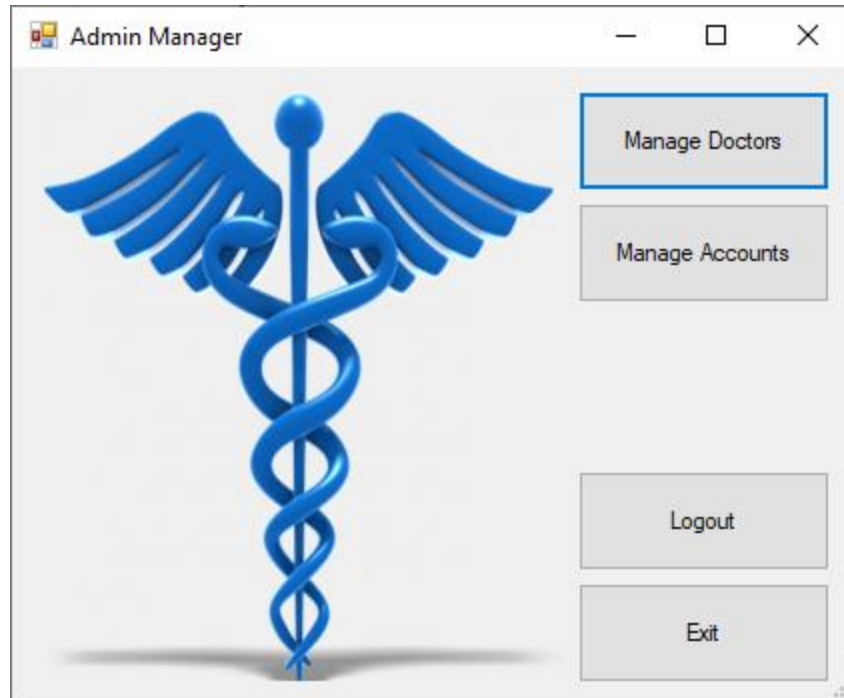


Figure 2. Admin window to manage Doctors and Accounts.

 The image shows a window titled "DoctorManager". On the left, there are four input fields labeled "First Name:", "Last Name:", "Phone:", and "Specialty:". In the center is a black stethoscope icon. On the right, there are four buttons: "Add Doctor", "Update Doctor", "Delete Doctor", and "Exit". Below these elements is a table with the following data:

	DoctorID	FirstName	LastName	Phone	Specialty
▶	1	John	Medicine	1234445555	General
	2	Lisa	Knife	3018889999	Surgery
	3	Brent	Ehnt	4201329832	ENT
	5	Jake	Donovan	3992103029	Gun-Kata

Figure 3. Doctors Manager window.


AccountManager

Username:

Password:

Confirm:

Status:



	UserID	UserName	UserType
▶	1	Admin	1
	2	Staff	0

Add Account


Update Account

Delete Account

Exit

Figure 4. Accounts Manager window.

Clinic Manager



Manage Patients

Manage Appointments

Logout

Exit

Figure 5. Clinic Manager window.

PatientManager

First Name: Address:

Last Name: Zip Code:

Gender: Phone:

Date of Birth:

Add Patient Update Patient

Delete Patient Exit

PatientID	FirstName	LastName	Gender	Address	Zip	Phone	DOB
1	Oscar	Gilstrap	1	541 Hazelwood	50541	5153737885	7/24/1986
4	Jason	Bryant	1	1867 Goosetown	28792	8286986783	2/25/1987
5	Flora	Jones	0	2985 Asylum	35209	2052666381	11/23/1961
6	Chelsie	Duncan	0	4419 Maryland	34624	7275389932	2/6/1975

Figure 6. Patients Manager window.

AppointmentManager

Patient: Date:

Doctor: Time:

Location: Status:

Add Appointment Delete Appointment

Exit

AppointmentID	Status	Location	Doctor	Patient	Date	Time
7	Open	asa	John Medicine	Oscar Gilstrap	11/20/2019	12:33:59
10	Delayed	sasa	Brent Ehnt	Jason Bryant	11/20/2019	12:41:44

Figure 7. Appointments Manager window.