

# Tele-Health Monitoring System(GUI)



## Team Members

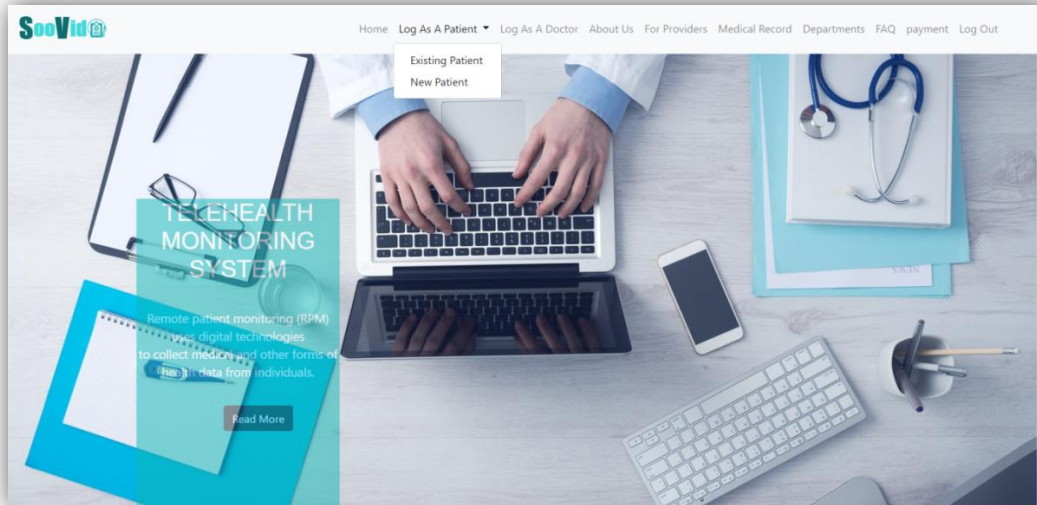
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- 2- Omnia Naser Abd Elfatah.
- 3- Fatma Hamdy Mohamed Mousa.
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- 5- Fatma faisal Mohamed Salah.
- 6- Fatema Mohamed Abd Elhamed Ahmed.

*Supervised by : Prof\Khaled Fouad.*

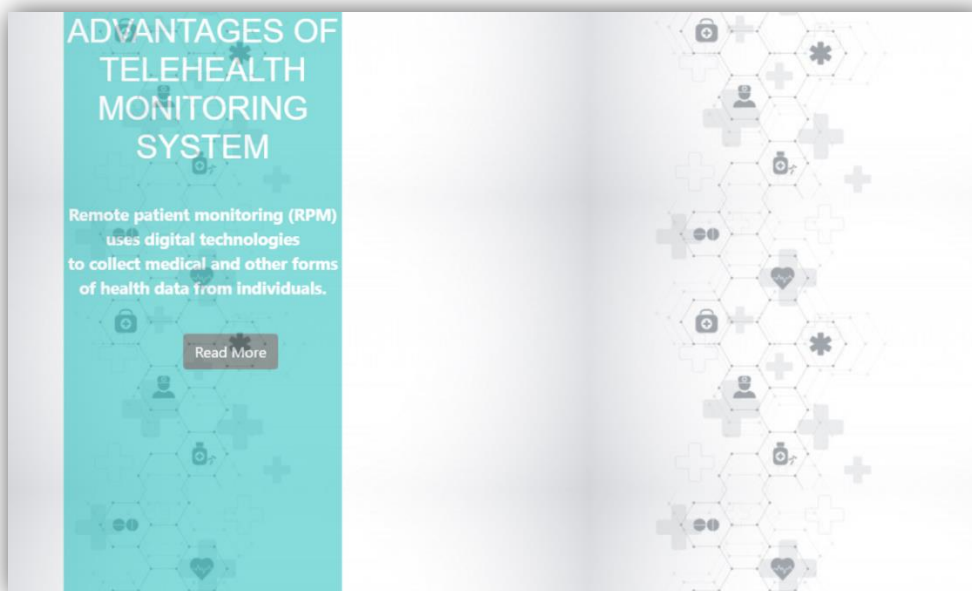
## Section (GUI)

### System UI and its explaining (Web based interface)

#### Home Page



Home page contain a navigation bar which contain a pages of our site( home, log as a patient\_existing &new patient\_,Log as A doctor,About us, For providers, Medical Record, Departments, FAQ, Payment, Log out) ..



**This section introduce advantages of our site** **Accuracy:** The system gives accurate, precise locations.

**Speed:** The technology performs in real-time with no latency issues.

**Monitoring:** The devices can track and check the status of medications, samples and equipment as well as people.

**Protection:** Compatible with existing security and access programs.

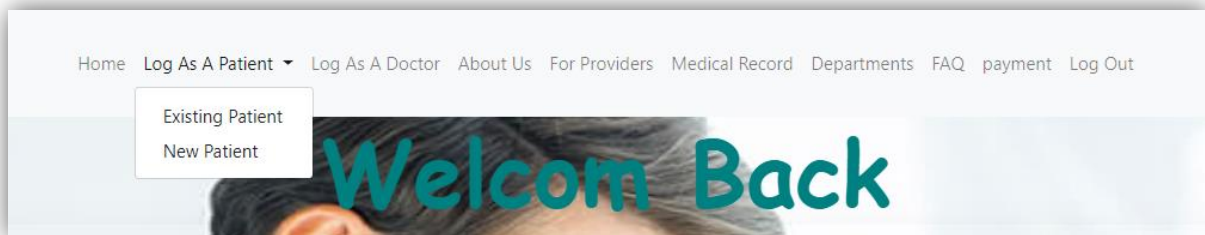
### **LOG IN AS A PATIENT INTO THE SYSTEM**

**A procedure of LOGIN AS A PATIENT contains two options:**

**First one: If the patient is already existed**

**Second one: If the patient is new**

**When you press upon LOG As A Patient in menu bar a dropdown menu appears contains two selections (Existing Patient, New Patient) as shown in the following figure:**



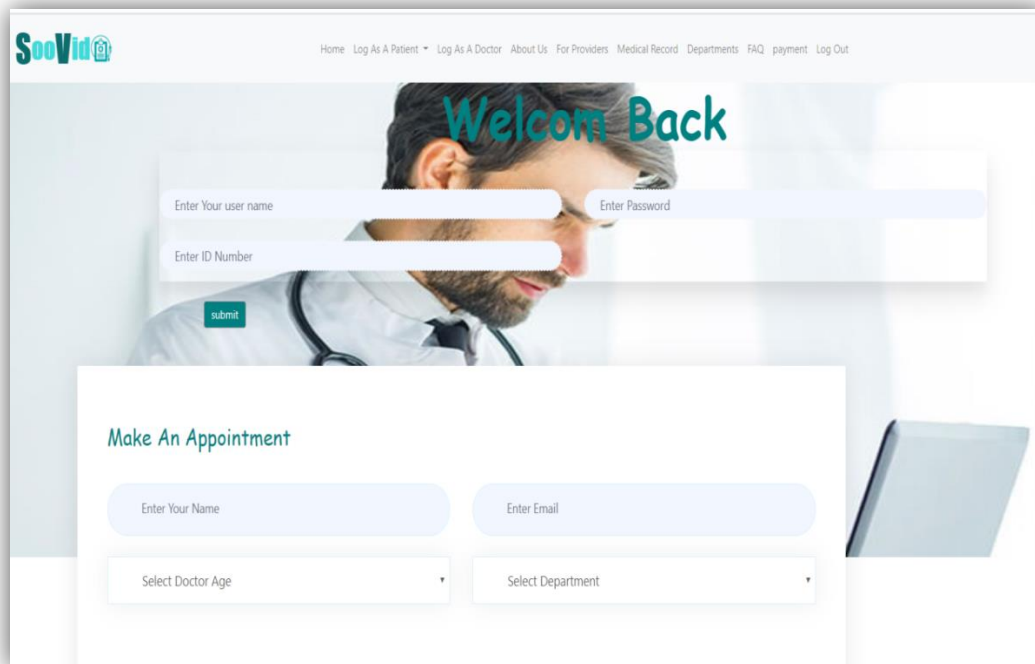
**If the user logged in as existing patient a new page will appear with a menu bar at the top of the page and a welcome message (Welcome Back).**

**The page consists of two sections.**

**- The first section relates to user's email, password and ID that he had already registered by them before. There are three input fields; first one has a placeholder with Enter Your user name, second one has a placeholder with Enter Password, third one has a placeholder Enter ID Number. And there's a button below them called submit. When the user presses on submit he accesses to the private part of the system and can send information to the doctor. He also could make an appointment and this will move us to the second section.**

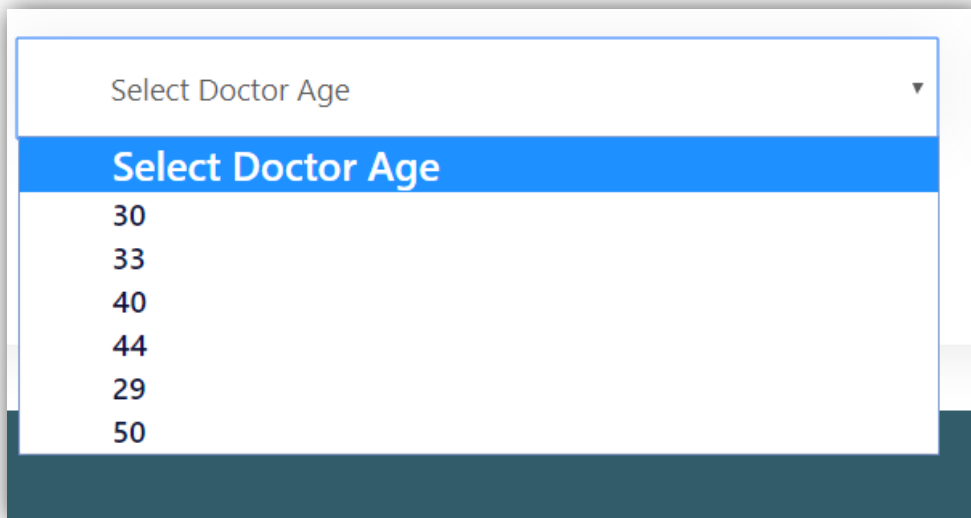
**- The second section relates to making an appointment. This section has a**

head (Make An Appointment) and two input fields; first one asks the user to enter his user name, second one for password.



The screenshot shows the SooVid website interface. At the top, there is a navigation bar with links: Home, Log As A Patient, Log As A Doctor, About Us, For Providers, Medical Record, Departments, FAQ, payment, and Log Out. The main header area features a large image of a doctor with the text "Welcom Back" (sic) overlaid. Below this, there is a login section with three input fields: "Enter Your user name", "Enter Password", and "Enter ID Number". A green "submit" button is located below the "Enter ID Number" field. In the foreground, there is a "Make An Appointment" section. It contains two input fields: "Enter Your Name" and "Enter Email". Below these are two dropdown menus: "Select Doctor Age" and "Select Department".

At “Make An Appointment section” there are two selection options. First select option gives the ability to the user to select the age of the doctor he would like to be examined by him as shown in the following figure:

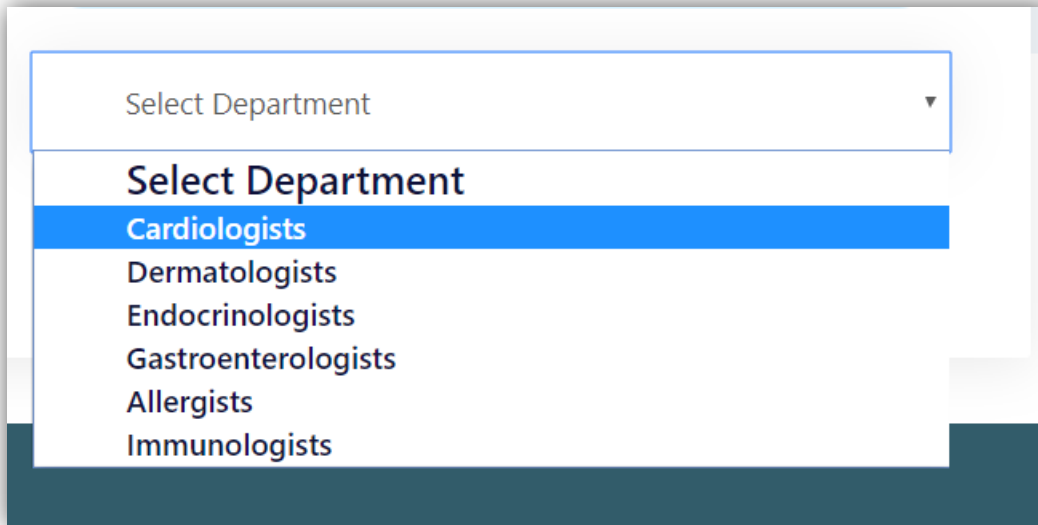


This screenshot shows a close-up of the "Select Doctor Age" dropdown menu. The menu is open, displaying a list of age options. The header of the dropdown is "Select Doctor Age" in white text on a blue background. The list of options includes: 30, 33, 40, 44, 29, and 50. The dropdown is styled with a white background and a blue border.

| Select Doctor Age |
|-------------------|
| 30                |
| 33                |
| 40                |
| 44                |
| 29                |
| 50                |

Second select option gives the ability to the user to select the specific department from the list of departments which contains (Cardiologists,

**Dermatologists, Endocrinologists, Gastroenterologists, Allergists, and Immunologists) as shown in the following figure:**

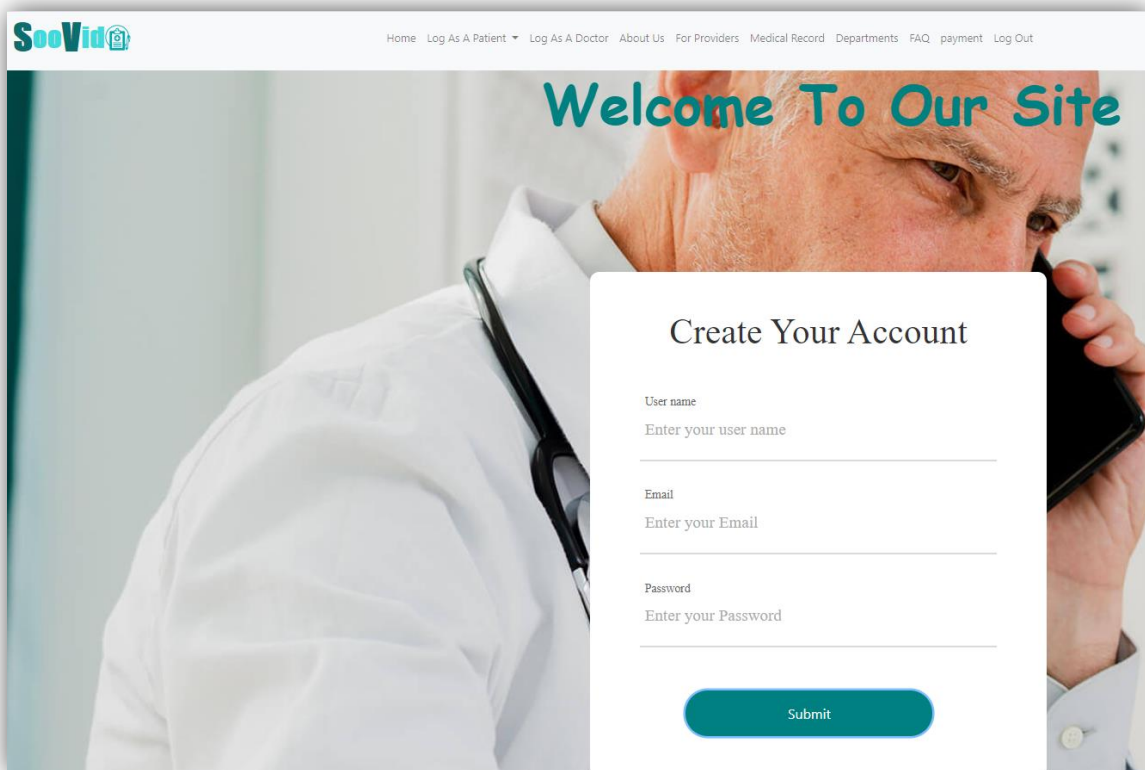


Select Department ▼

**Select Department**

- Cardiologists
- Dermatologists
- Endocrinologists
- Gastroenterologists
- Allergists
- Immunologists

**If the user logged in as a new patient a new page will appear with a menu bar at the top of the page and a welcome message (Welcome To Our Site).**



**SooVid** Home Log As A Patient ▼ Log As A Doctor About Us For Providers Medical Record Departments FAQ payment Log Out

# Welcome To Our Site

## Create Your Account

User name  
Enter your user name

Email  
Enter your Email

Password  
Enter your Password

Submit

**The page consists of four sections.**

- The first section has a head (Create Your Account) and it relates to user's new information for registration such (user name, E-mail and password).

There are three input fields:

First one has a placeholder with Enter Your user name and at this step the user writes his personal name (his name, father's name and family name).

Second one has a placeholder with Enter your Email and at this step the user enter his email (Yahoo mail, Gmail or Hotmail)

Third one has a placeholder with Enter your Password. And there are some issues to create a strong password & a more secure account.

Creating a strong password is important as a strong password helps you:

- Keep your personal info safe
- Protect your emails, files, and other content
- Prevent someone else from getting in to your account

The password requirements:

Create your password using 12 characters or more. It can be any combination of letters, numbers, and symbols (ASCII-standard characters only). Accents and accented characters aren't supported.

You can't use a password that:

- Is particularly weak. Example: "password123"
- You've used before on your account
- Starts or ends with a blank space

A strong password can be memorable to you but nearly impossible for someone else to guess.

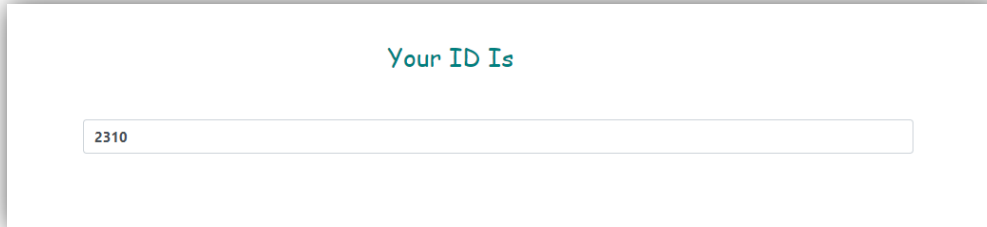
Make your password unique

Make your password longer & more memorable

**Avoid personal info & common words**

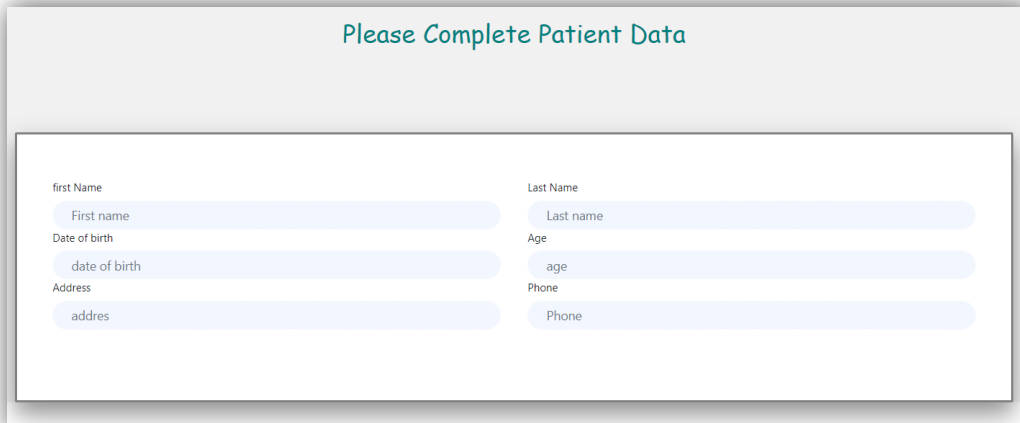
**After you create a strong password, take steps to keep it safe to keep passwords secure.**

**And there's a button below them called submit. When the user presses on submit he move to the second section.**



The image shows a light gray rectangular box with a thin border. At the top center, the text "Your ID Is" is displayed in a teal color. Below this text is a single horizontal input field with a light gray border. Inside the input field, the number "2310" is entered in a dark gray font.

**- The second section has a head (Your ID Is) and it's about that the site gives the user an ID he could access the system by it.**



The image shows a light gray rectangular box with a thin border. At the top center, the text "Please Complete Patient Data" is displayed in a teal color. Below this text is a white rectangular area containing several input fields. On the left side, there are four input fields stacked vertically, each with a label above it: "first Name" (with "First name" inside), "Date of birth" (with "date of birth" inside), "Address" (with "address" inside), and "address" (with "address" inside). On the right side, there are four input fields stacked vertically, each with a label above it: "Last Name" (with "Last name" inside), "Age" (with "age" inside), "Phone" (with "Phone" inside), and "Phone" (with "Phone" inside).

**- The third section has a head (Please Complete Patient Data) and relates to patient's personal information such (first name, last name, date of birth, age,**

gender,...).

### Make An Appointment

Select Doctor Age

Select Department

Select Department

- Cardiologists
- Dermatologists
- Endocrinologists
- Gastroenterologists
- Allergists
- Immunologists

Submit App

Send Data


- The fourth section relates to making an appointment of new patient. This section has a head (Make An Appointment) and two input fields; first one asks the user to enter his user name, second one for password. And there're two selection options (Select Doctor Age, Select Department). And there's a two buttons below them called (Submit Application, Send Dat

## Doctor page

Dear Doctor

Hello our doctor

Welcome to our website, please enter your deta to see orders from your patient



Enter Your Data

Username

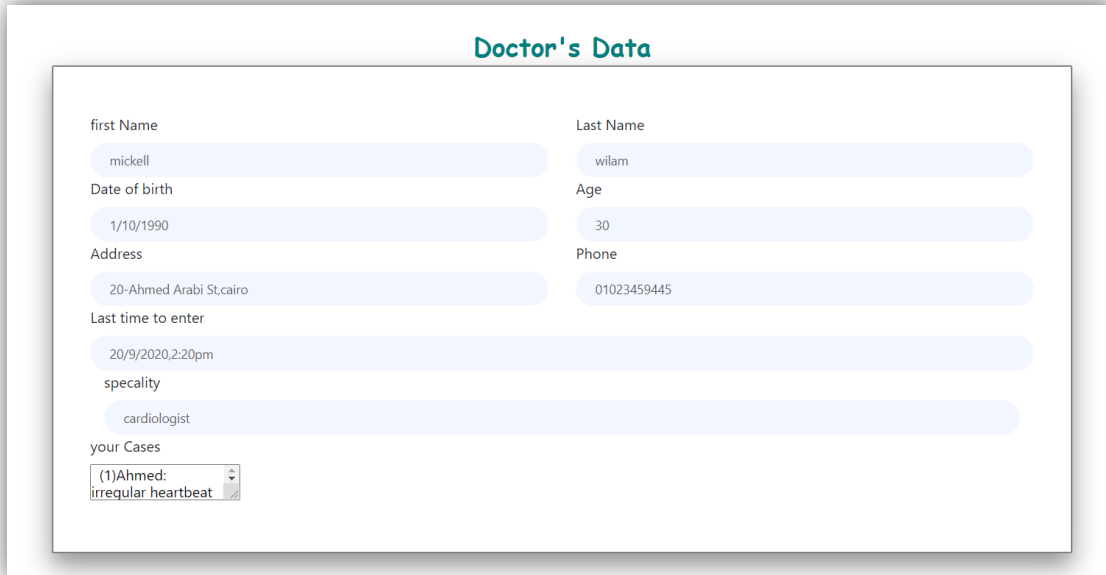
Password

ID

Log In



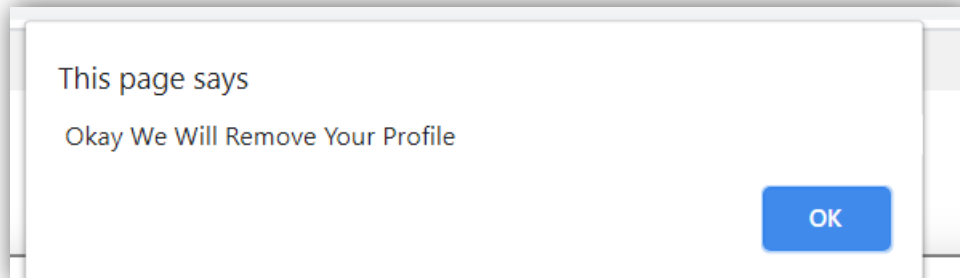
It includes login form which in the doctor would enter his name “username”, password and ID. The password should be only numbers it should not include any letters or symbols. The doctor would enter his ID in form of numbers.



The screenshot shows a form titled "Doctor's Data" with the following fields and values:

| Field              | Value                         |
|--------------------|-------------------------------|
| first Name         | mickell                       |
| Last Name          | wilam                         |
| Date of birth      | 1/10/1990                     |
| Age                | 30                            |
| Address            | 20-Ahmed Arabi St,cairo       |
| Phone              | 01023459445                   |
| Last time to enter | 20/9/2020,2:20pm              |
| speciality         | cardiologist                  |
| your Cases         | (1)Ahmed: irregular heartbeat |

Then when the doctor press the “login” button, the attended appointments in that day and his cases (the patients names and their complains) would appear. Also the doctor personal information such as (first name, last name, phone number, specialty, age, address).



The screenshot shows a dialog box with the following text:

This page says

Okay We Will Remove Your Profile

OK


There is “Remove a Profile” button, he press it if he wants to remove his profile. There is “Log out” button, he press it if he want to leave his page.

## Specialized Doctors

Our Doctors

### Specialized Doctors

we have specialised doctors of all the fields here is it some of our specialised doctors




Dr. Jelin Alis  
Medicine

Dr. Peter Adlock  
Neurologist

Dr. James Alison  
Medicine

Dr. James Adult  
Cardiologist



Dr. Dana Morfy  
Medicine

Dr. Sara park  
Neurologist

Dr. Zac Nilson  
Medicine









Dr. suzy Adult  
Cardiologist

- These sites use only patient reviews to rank doctors. This means the ratings are based more on opinion than data showing how well a doctor provided treatment or care.
- Some rating websites may promote doctors who have a paid rather than a free profile.

## The Top Medical Device and Medical Technology

### Trending Products


Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Quis ipsum suspendisse

|   |  |  |   |
|---|--|--|---|
| <div>40%<div></div></div> <div>Medical Gloves</div> <div>DATSUN</div> <div><div>★★★★★</div><div> \$220.00</div></div> | <div>40%<div></div></div> <div>Drugs</div> <div>DATSUN</div> <div><div>★★★★★</div><div> \$110.00</div></div> | <div></div> <div>Hand Sanitizer</div> <div>DATSUN</div> <div><div>★★★★★</div><div> \$290.00</div></div> | <div>40%<div></div></div> <div>Medical Mask</div> <div>DATSUN</div> <div><div>★★★★★</div><div> \$140.00</div></div> |
|---|--|--|---|

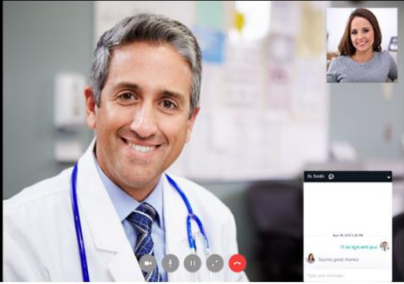
## Medical Monitoring Devices for Simplified Patient Care from Infinium Medical


Medical monitoring devices are some of the most important pieces of equipment in a health care facility. Without reliable monitoring equipment you could easily miss a piece of information that could mean the difference between life and death.


### For Providers



### Redefining telemedicine one room at a time







Patient View

Doctor View

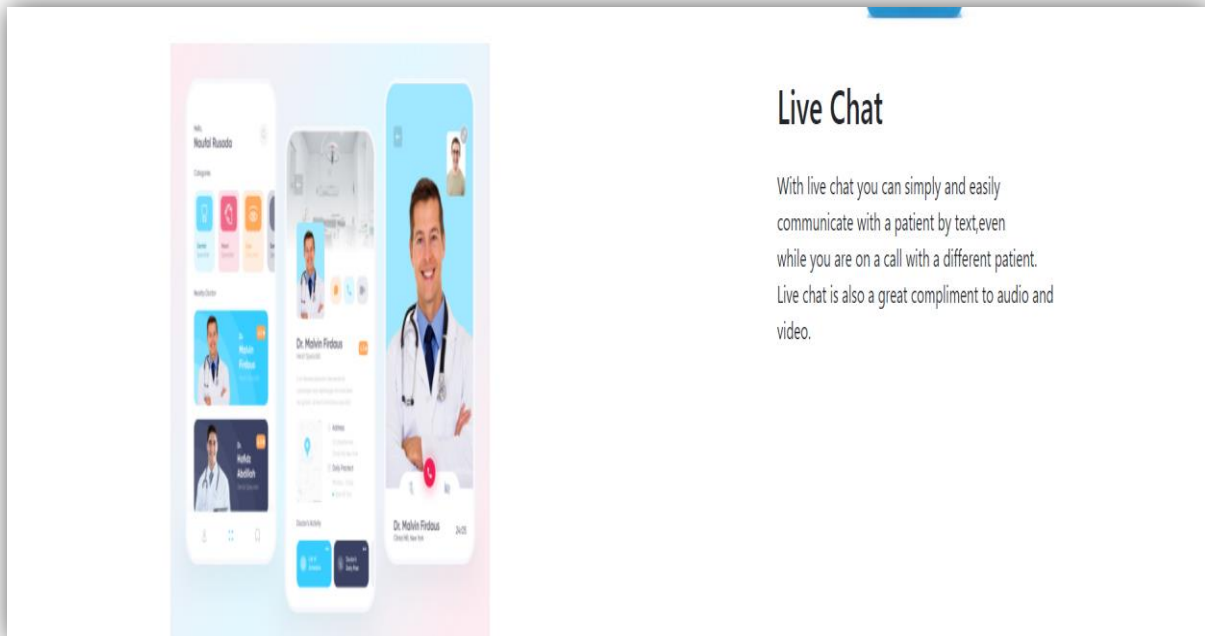
Doctor Dashboard

**Redefining telemedicine one room at time:**

**HELPING IN THE REAL-WORLD. Our customer is a leading tele-health provider.**

**They supported over 600,000 doctor-to-patient video sessions with over 11 million video minutes—in a single day by using video APIs.**

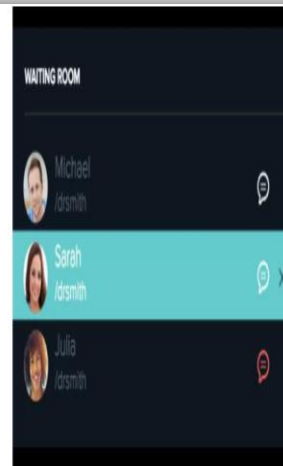
**It's helping patients, wherever they are, the risk of infection is minimized for everyone. Our Video APIs are providing today's tele-health leaders the ability to expand their diagnostic capabilities virtually. This frees up resources,**



**reduces demand for personal protective equipment (PPE), and limits exposure for healthcare staff and patients. "Tele-health is playing a key role in keeping doctors and patients safe and healthy during this crisis,**

## Queue

You're a busy provider and sometimes run late.  
The patient queue allows you to see that your next patient has checked in, and even allows you to jump between patients quickly and easily.



## Medical record page

**By implementing EMR, patient data can be tracked over an extended period of time by multiple healthcare providers. It can help identify those who are due for preventive checkups and screenings and monitor how each patient measures up to certain requirements like vaccinations and blood pressure readings. EMRs are designed to help organizations provide efficient and precise care.**

### IMPORTANCE OF MR

Providing accurate, up-to-date, and complete information about patients at the point of care.  
Enabling quick access to patient records for more coordinated, efficient care.  
Securely sharing electronic information with patients and other clinicians.  
Helping providers more effectively diagnose patients, reduce medical errors, and provide safer care.  
Improving patient and provider interaction and communication, as well as health care convenience.  
Enabling safer, more reliable prescribing.  
Helping promote legible, complete documentation and accurate, streamlined coding and billing.




[Click To Access Online Medical Records.](#)



[Click To Request Copies of Your Health Record.](#)

This UI display 2 option to patient to choice the way to get his MR the first way (accessing it online)


And the site response to him showing this UI

 Click To Access Online Medical Records.

Submit

So when the patient enter his ID his MR appear like this UI:

Patient Medical Record




|                       |   |                               |  |
|-----------------------|---|-------------------------------|--|
| Frist Name :          | JOHN ROBERT                               | Last Name :                   | JOSEPH DAVID                                       |
| Date Of Birth :       | June 27, 1999                             | Age :                         | 21   |
| Phone Number :        | 053648956454                              | Gender :                      | Male   |
| Patient ID :          | 2310                                      | National ID :                 | 1597232171999                                      |
| Sikeness :            | Diabetic                                  | Prescriptions :               | A sharp increase in the rate of insulin production |
| Respiratory Rate :    | 12 to 20 breaths per minute               | Blood Glucose Rate :          | 200 mg/dL (11.1 mmol/L)                            |
| Blood Pressure Rate : | 140/90mmHg or higher & 90/60mmHg or lower | Temperature Monitoring Rate : | 98.6°F (37°C)                                      |
| Radiology Repots :    | ► Details                                 | Pathology Reports :           | ► Details  |
| Laboratory Reports :  | ► Details                                 | Durgs :                       | ► Details  |
| Tips :                | ► Details                                 | Healthy eating :              | ► Details  |

When The patient click on details more details appear like that

|           |           |           |   |
|-----------|-----------|-----------|---|
| Radiology | ► Details | Pathology | ▼ Details   |
| Repots :  |           | Reports : | <p>Gross Description: The specimen is received in two parts. They are labeled #1, "biopsy bladder tumor", and #2, "scalene node, left". Part #1 consists of multiple fragments of gray-brown tissue which appear slightly hemorrhagic. They are submitted in their entirety for processing. Part #2 consists of multiple fragments of fatty yellow tissue which range in size from 0.2 to 1.0 cm in diameter. They are submitted in their entirety for processing.</p> <p>Microscopic: Section of bladder contains areas of transitional cell carcinoma. No area of invasion can be identified. A marked acute and chronic inflammatory reaction with eosinophils is noted together with some necrosis. Sections are examined at six levels. Section of lymph node contains normal node with reactive germinal centers.</p> |

The second option if the patient want a copy of his MR the site response to him by showing this UI

|  |  |
|--|--|
|  <p>Click To Request Copies of Your</p> | <p>This page says</p> <p>Okay We Will Send A Copy Of Your Medical Record Soon.</p> <p>OK</p> |
|--|--|

## Departments page

|   |   |
|---|---|
| <h3>Departments In Our Hospitals</h3> <p>There are different interpretations when talking about the departments in a hospital setting. Whether you are visiting the hospital to undergo a mandatory operation or a cosmetic surgery like rhinoplasty, some view hospital departments as the inpatient or outpatient wards, while some think that departments mean each unit within the medical setting. Let us discuss both divisions in a more simplified way.</p> | <h3>Departments</h3> <ul style="list-style-type: none"> <li>Emergency Department</li> <li>Operating Theatres</li> <li>Dental Department</li> <li>OutPatient- Clinic</li> <li>Radiology Department</li> <li>IN-PATIENT DIVISION</li> <li>GASTROINTESTINAL ENDOSCOPY</li> <li>AUDIOLOGY AND SPEECH</li> </ul> |
|---|---|

A hospital is a health care institution providing patient treatment with specialized medical and nursing staff and medical equipment.

## The complaint page

The Complainer Is

☒ Doctor  
☐ Patient

User Name

enter username

Password

Password

ID

ID

Enter Your Complain

☐ Check me out

Send

This page the user (patient \Doctor) can use it when he complain from anything from this system or when he encounters any problems with the system, such as problems with payment, logging in, failure to obtain a copy of the medical record, or contacting the doctor in the event that the complainant is the patient

The use of this page start

Firstly, determining whether the user is the doctor or the patient.

Secondly. Writing the patient's\Doctor's password of his \her account.

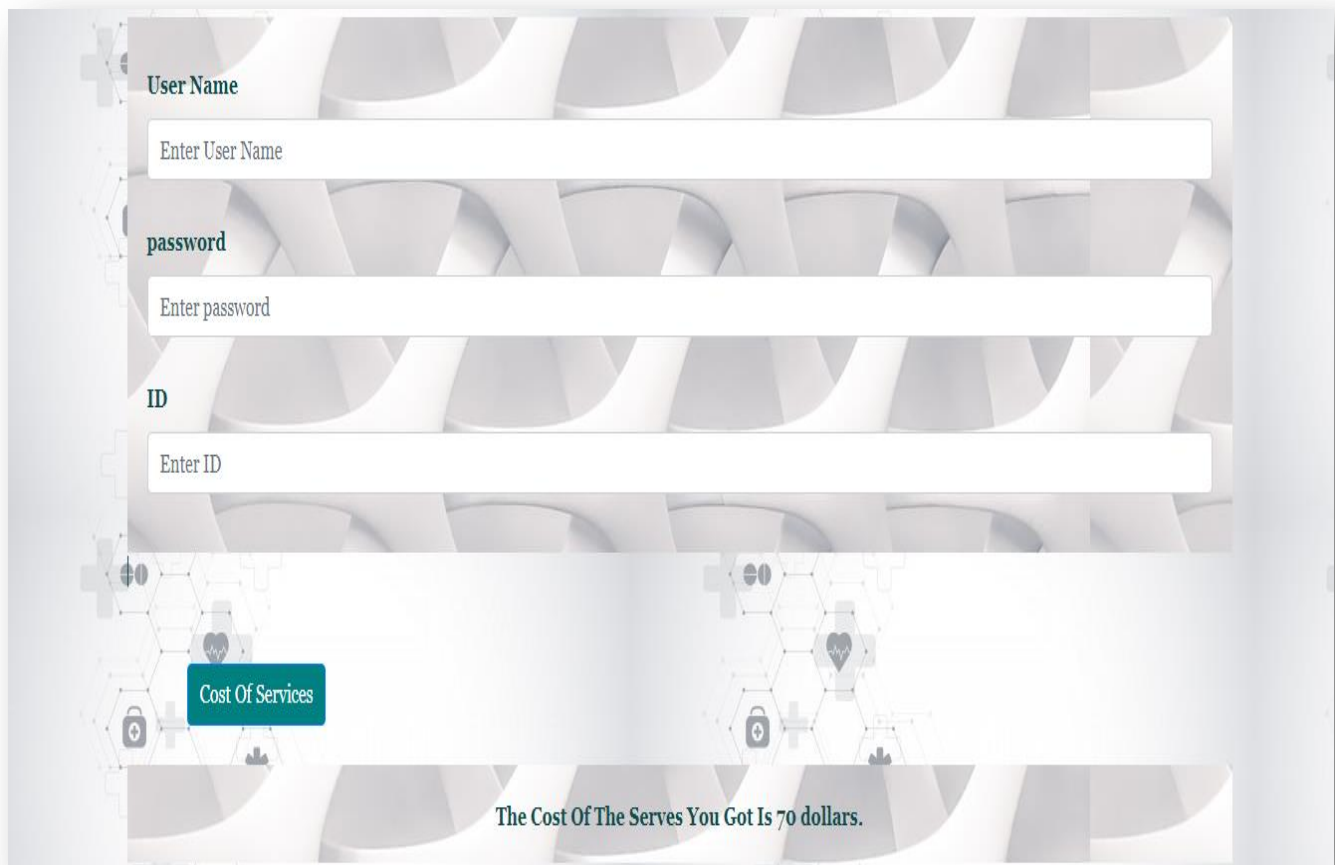
Then enter his \her ID.

Then enter his \her complain weather he or she is the doctor or the patient.

Finally check out this information and press the button (send), to send his\her complain to the staff who are responsible for the system.



## The payment page



User Name

Enter User Name

password

Enter password

ID

Enter ID

Cost Of Services

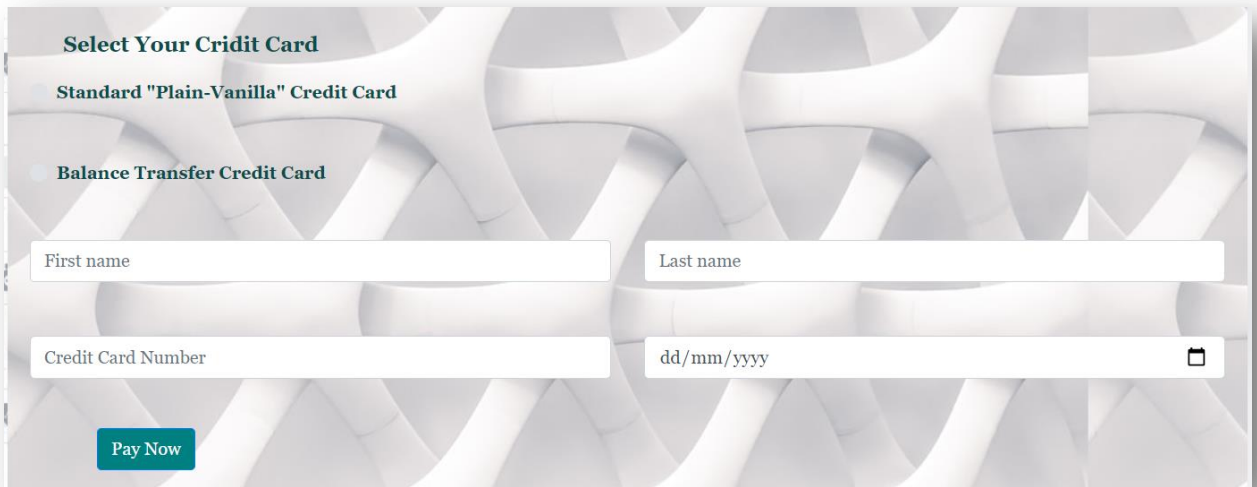
The Cost Of The Services You Got Is 70 dollars.

In this page the patient (user) use it When he receives all his services and care, to the fullest through this system, so that he knows what the cost of those services that he met by the doctor through the system or the cost of the things that were purchased through the system .

This system also allows the user (the patient) to complete the payment process, whether online via credit card, by entering the card number and name and the amount is deducted from his account, or by offline

To use this interface, the user must fill in the required information as:

Firstly, the user (patient) must enter his\her name Secondly, the user (patient) enter his\her password Then, enter his \her ID. Finally, press the button (cost of service). The system calculates the cost of the services, and the total cost of the services will be shown to him immediately.



**Select Your Credit Card**

☐ Standard "Plain-Vanilla" Credit Card

☒ Balance Transfer Credit Card

First name

Last name

Credit Card Number

dd/mm/yyyy

Pay Now

**Then the site ask the user to enter the kind of his credit card , then the user enter his name and his credit card number and the user press on button pay now to finish the payment process.**