KOVID19

Your safety is our duty

KOVID19

Agenda

01 Intro to our system

02 System platforms

03 System access modes

04 Provided services

05 Future work

Meet Our Team

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Intro to our system

Problem definition

- The main problem that prompted us to implement this idea is the lack of a suitable platform through which the user can perform various operations related to the emerging corona virus pandemic.
- This was a strong motive for us to do this project and implement that idea to save the user the trouble of switching between different platforms to do a particular operation.
- The need to provide an automated platform to practice and manage all deferent operations related to medical field

Intro to our system

Project objectives

- Create a user-friendly platform that provide a suitable services provision to all different users deals with the system to perform set operations easily and efficiency.

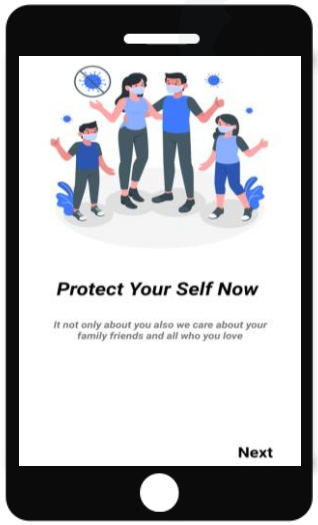
- Create a communication channel between different users such as communication between patient and doctors or system admins, thus, to achieve the integration between all operations performed on the system

- Provide a secure and customizable content to each user according to the operations they could perform

- Provide the system across different platforms so that users could access the system under different circumstances

System platforms

- The system is available as a web site and also available on as an application on mobile phones.
- Both platforms nearly has the same features with some differences depending on the user access mode.



System users

Project objectives

- The system deals with three main users :
  - -> patient
  - -> doctor
  - -> admin
- For each user there is a set of operations for this user to perform and manage
- We will discuss each user main function in the following slides

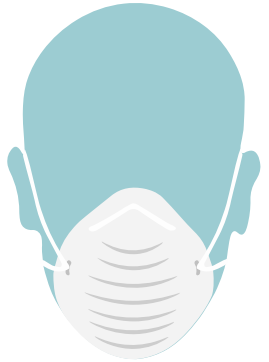
System users

Patient

- To completely use system features and operations, Each patient creates an account on the system and gets customizable profile allows him to edit its personal information's.

- By creating an account the user could access a set of features an services provided by the system such as :
  - Test reservation
  - Dose reservation
  - Doctor consultation (live)
  - Etc...

- The user could access there account either using the mobile app or the website



System users

Doctors

- Also doctors should create a user account To completely use system features and operations.

- Doctor accounts allows there owners to perform some operations and use system services such as :
  - Managing there profile
  - Check scheduled patient consultation and start them
  - Replay to patients chat requests
  - Etc...

- The doctor could access there account either using the mobile app or the website

System users

Admins

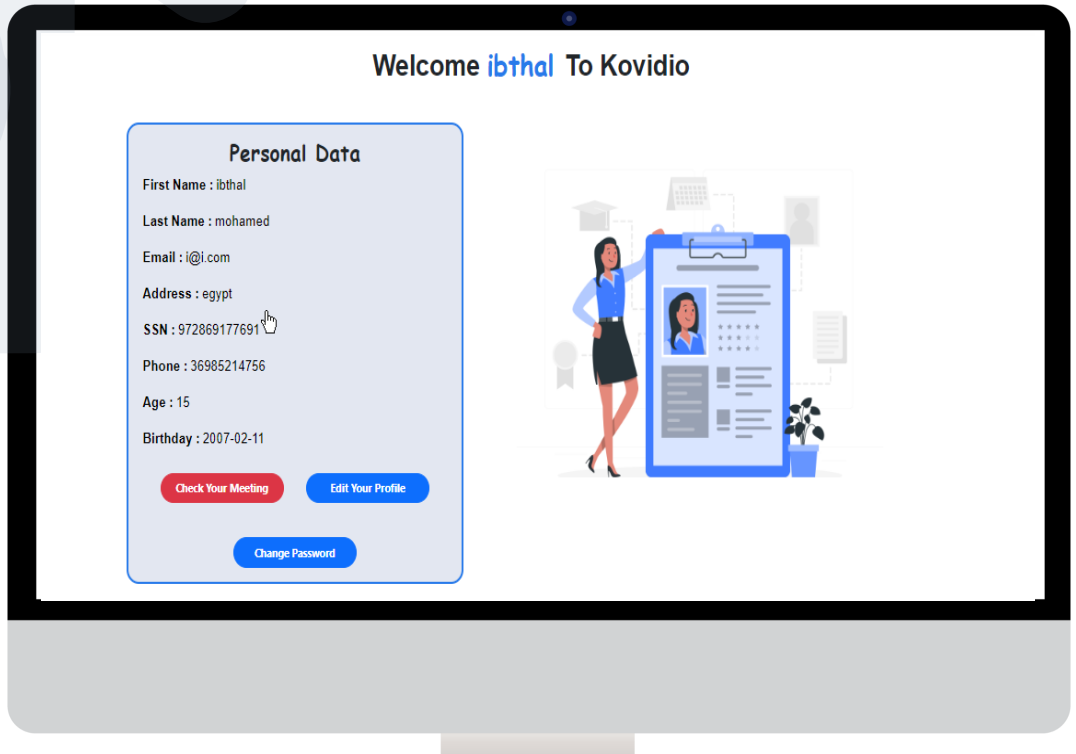
- Admins are the most privileged users on the system, they have a set of managemental services and operations enable them to completely manage the system and monitor its performance.

- Admin accounts allows there owners to :
  - Get reports about all system users and operations
  - Get reports about all system transactions and reservations.
  - Edit any reservation details or abort them
  - Etc...

- Admins could access the system through the website to perform deferent operations

Users profiles

- Each user on the system due to access the system should create account (profile).
- The user could edit there personal details such as phone numbers, email and other data.
- Each account provide a customized experience for the user



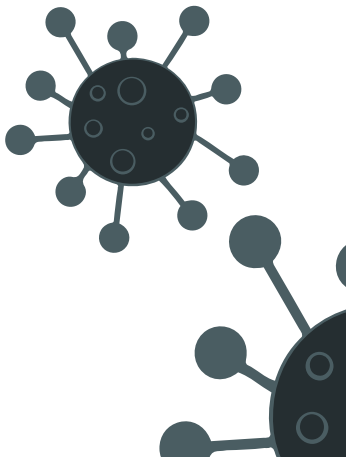
System services

- In the following slides we will discus all services provides by the system, and the users could use service

Provided services

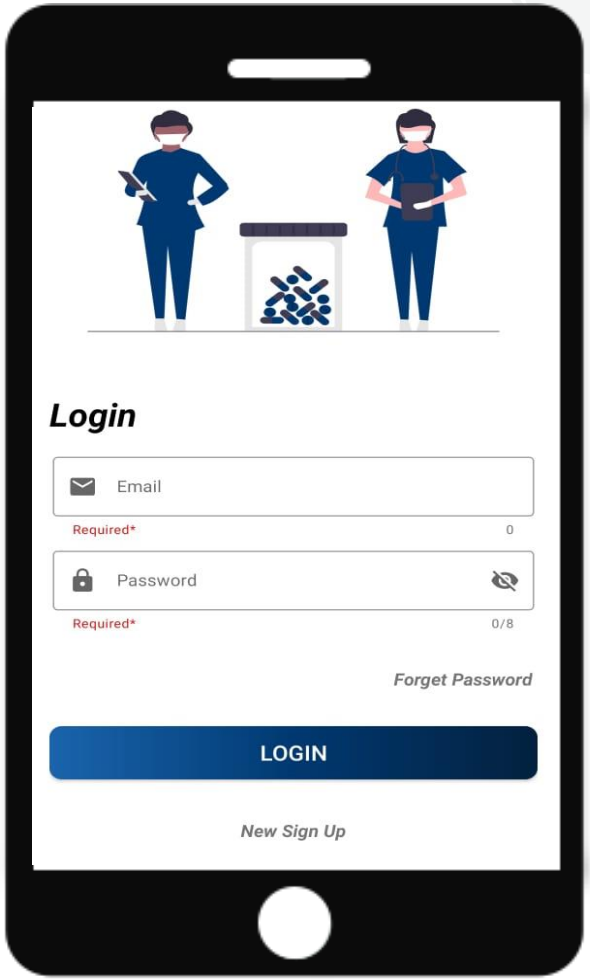
Login & register

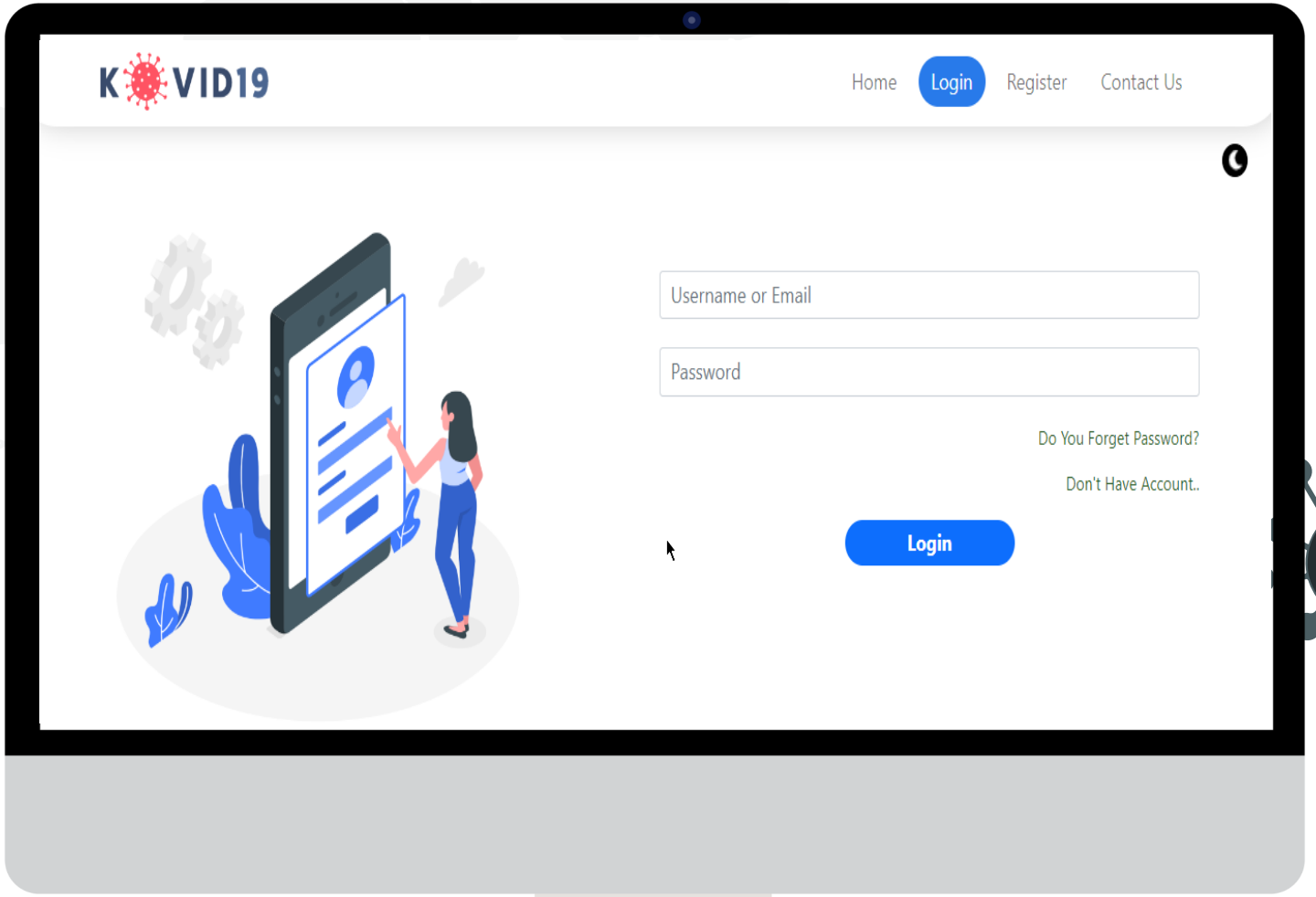
- To make use of the system complete functionality each user will login to the system using an email and password.
- Log in data is validated with the accounts data on the database for security issues
- Also the user could reset password or create account if he don’t have
- If the user do not have an account he could easily create one The a new user account is added to the system data base
- Admins could access the system through the website to perform deferent operations



Provided services

Login & register





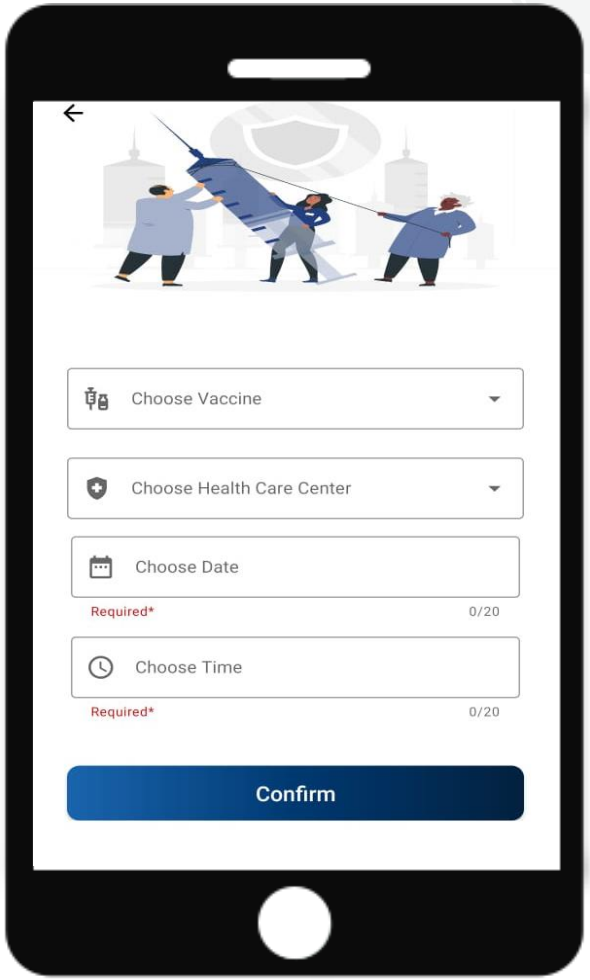
Provided services

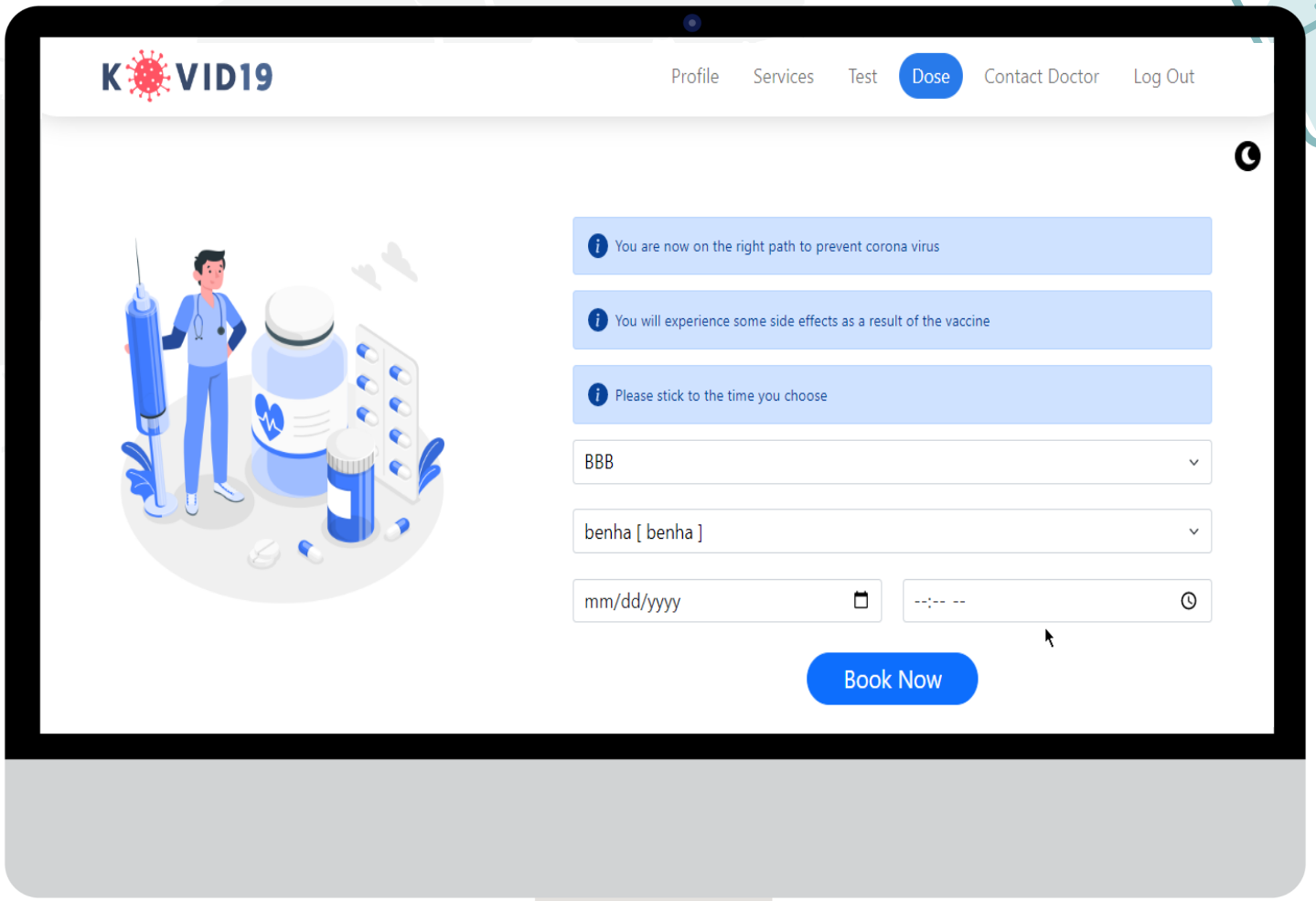
Reserve vaccine dose

- The system user could reserve (schedule) a reservation appointment for a specific vaccine dose
- After a successful reservation process the reservation data is saved in the data base
- The dose reservation data is viewed from the database to the user on his account dose view
- Second dose data is derived from first dose data

Provided services

Reserve vaccine dose

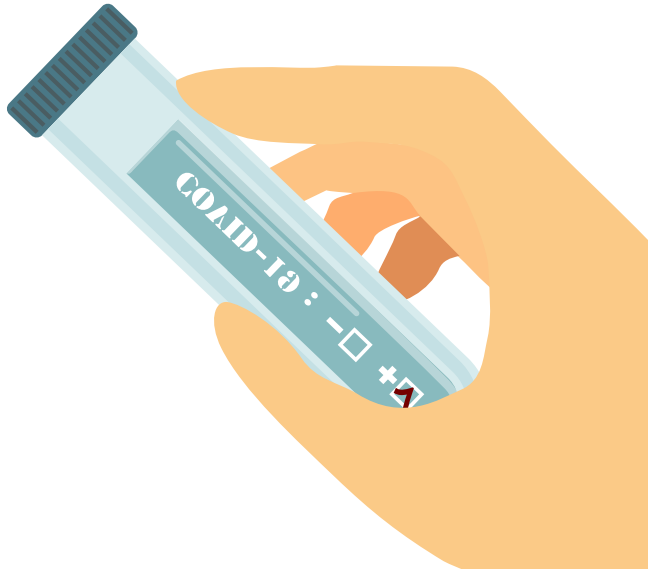




Provided services

Test reservation

- To reserve a test, all the user needs to do is to choose test name, health care center, data and time
- After the reservation is approved the reservation data is saved to the data base
- The user could browse his list of reservations by navigating to “My tests” page



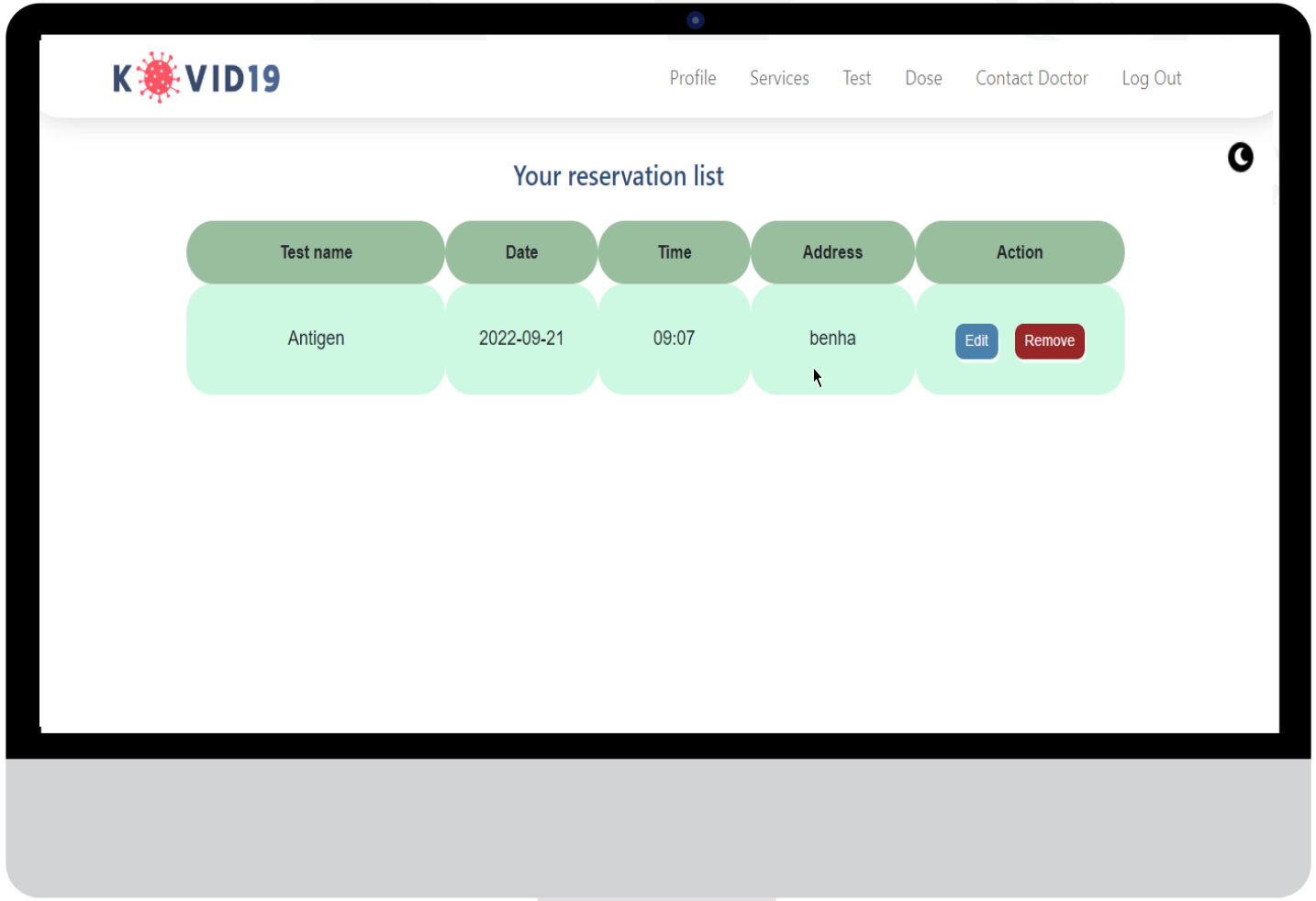
Provided services

Edit & Delete Reservation

- From the reservation list the user could edit reservation details or completely delete this reservation
- When the user click remove this reservation is completely deleted from system database
- When the user clicks Edit an editing form appeared to the user with the current reservation data, this form allow the user reservation details (time and date).
- After editing the hits confirmation button and it is done, data is updated

Provided services

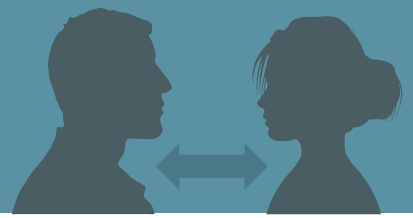
Edit & Delete Reservation



Provided services

Contact with Doctor

- Here the user could communicate with doctor Medical consultation, they should choose the doctor to communicate with the purpose for communication a short description for the reason he contacted for.
- When the user clicks Send, the message is sent to the doctor via mail and the doctor could replay to users' massages and so on.



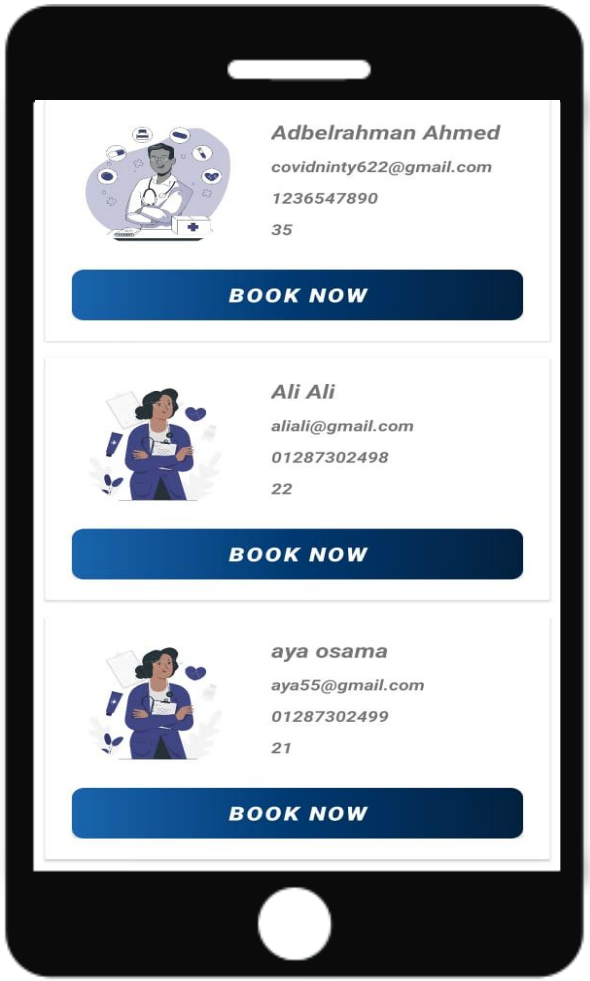
Provided services

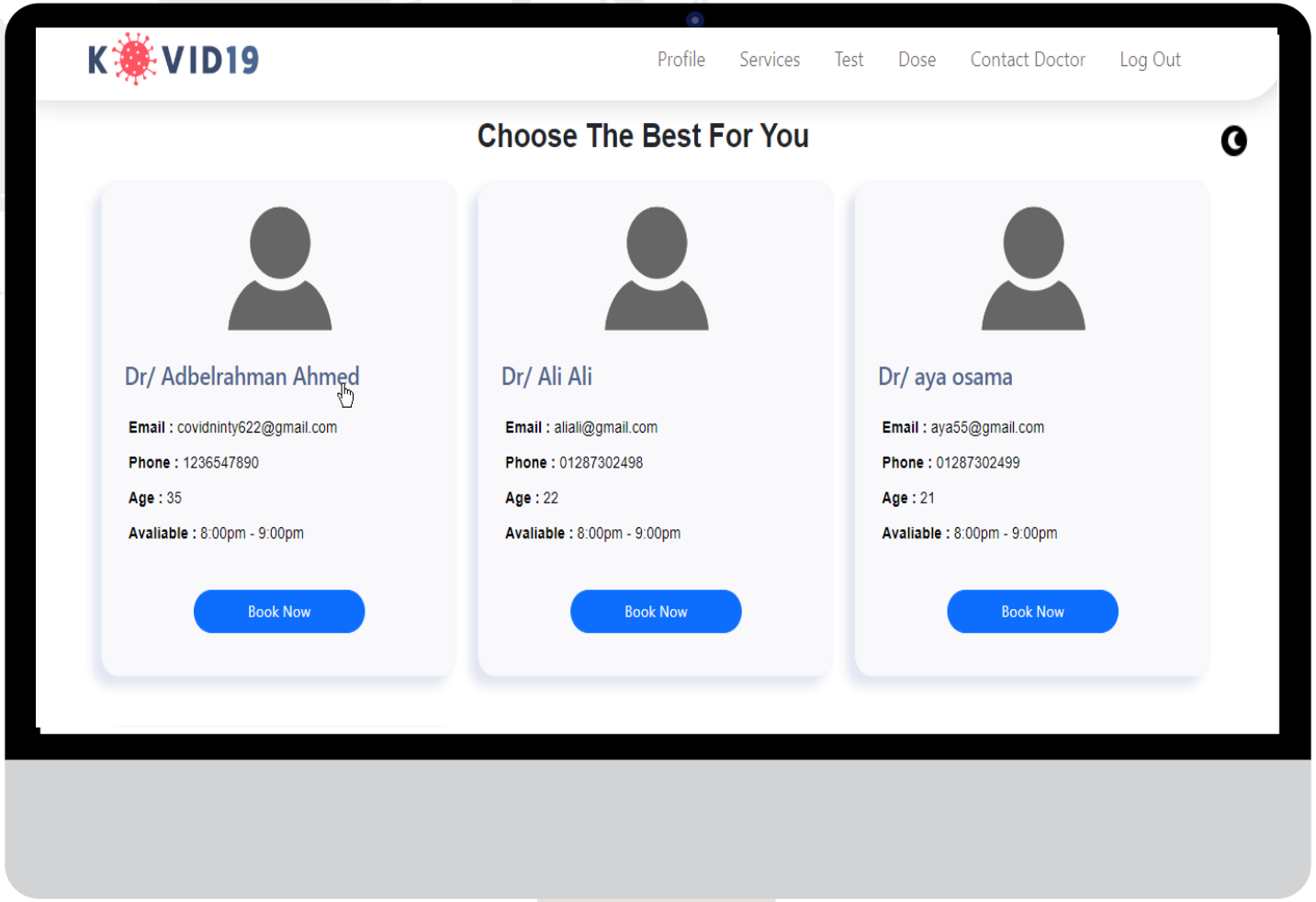
Reserve Doctor Consultation

- The user is provided by a list of available doctors that he/she could reserve a consultation with
- This feature enables users (patient) to reserve a consultation appointment with the doctor he prefers and the time he wants.
- This consultation is a live consultation, in which the user could talk to the doctor Face To Face.
- It also includes some features such as sharing data, video and chat during consultation
- Neither doctor nor patient should open an external chat service, it is completely done into the website

Provided services

Reserve Doctor Consultation





Provided services

Doctor profile

- Each doctor has its own profile, he/she could update his profile data or change account access password.
- This consultation is a live consultation, in which the user could talk to the doctor Face To Face.
- It also includes some features such as sharing data, video and chat during consultation

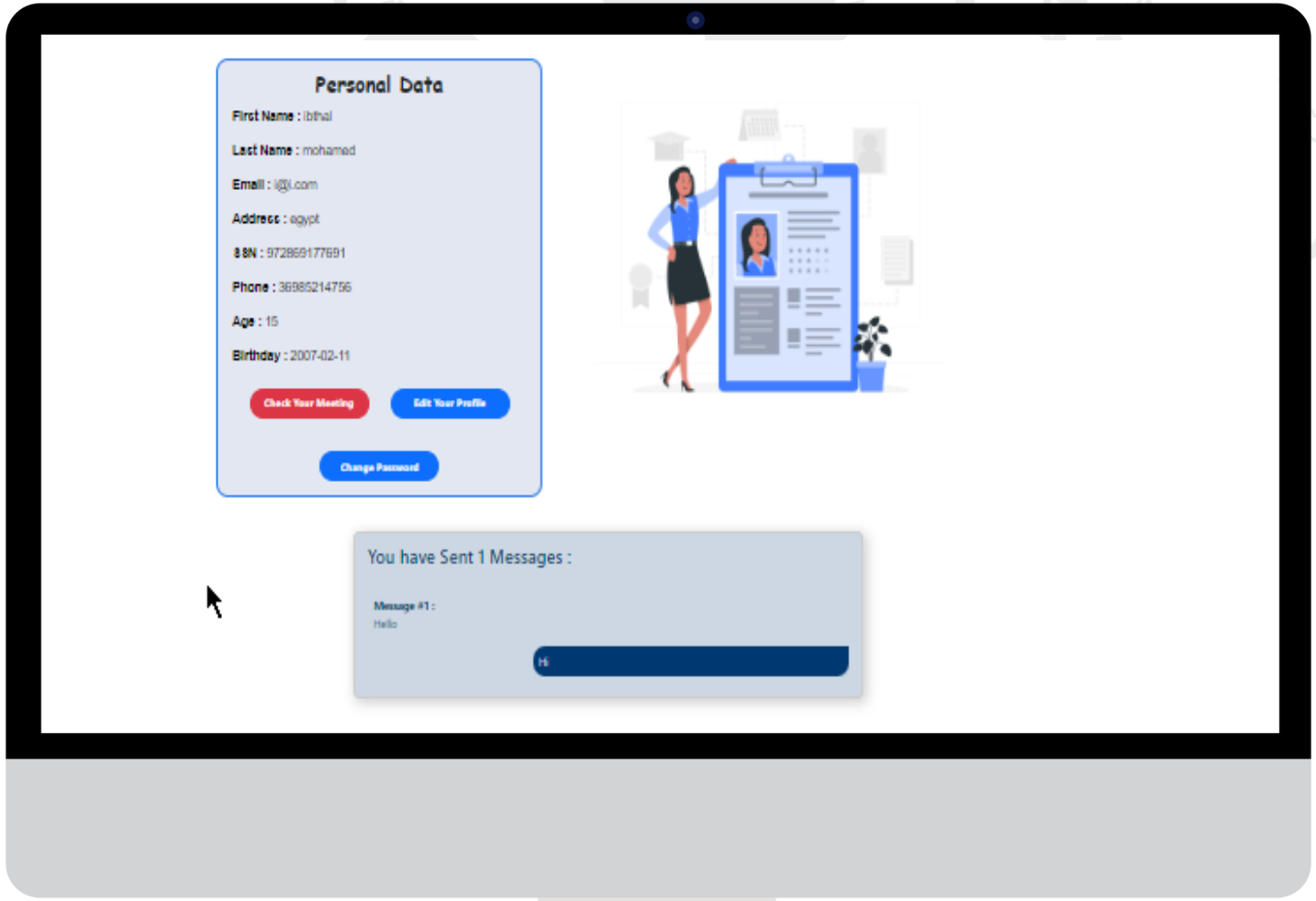
Provided services

Patients massages

- Each doctor trough his account , he could browse all massages sent to him from patient.
- The system enables the doctor to replay to all patient massages sent to him.
- Neither doctor nor patient should open an external chat service, it is completely done into the website
- Messages between doctor and patient is also been notified to doctor and patient in there mail box

Provided services

Patients massages



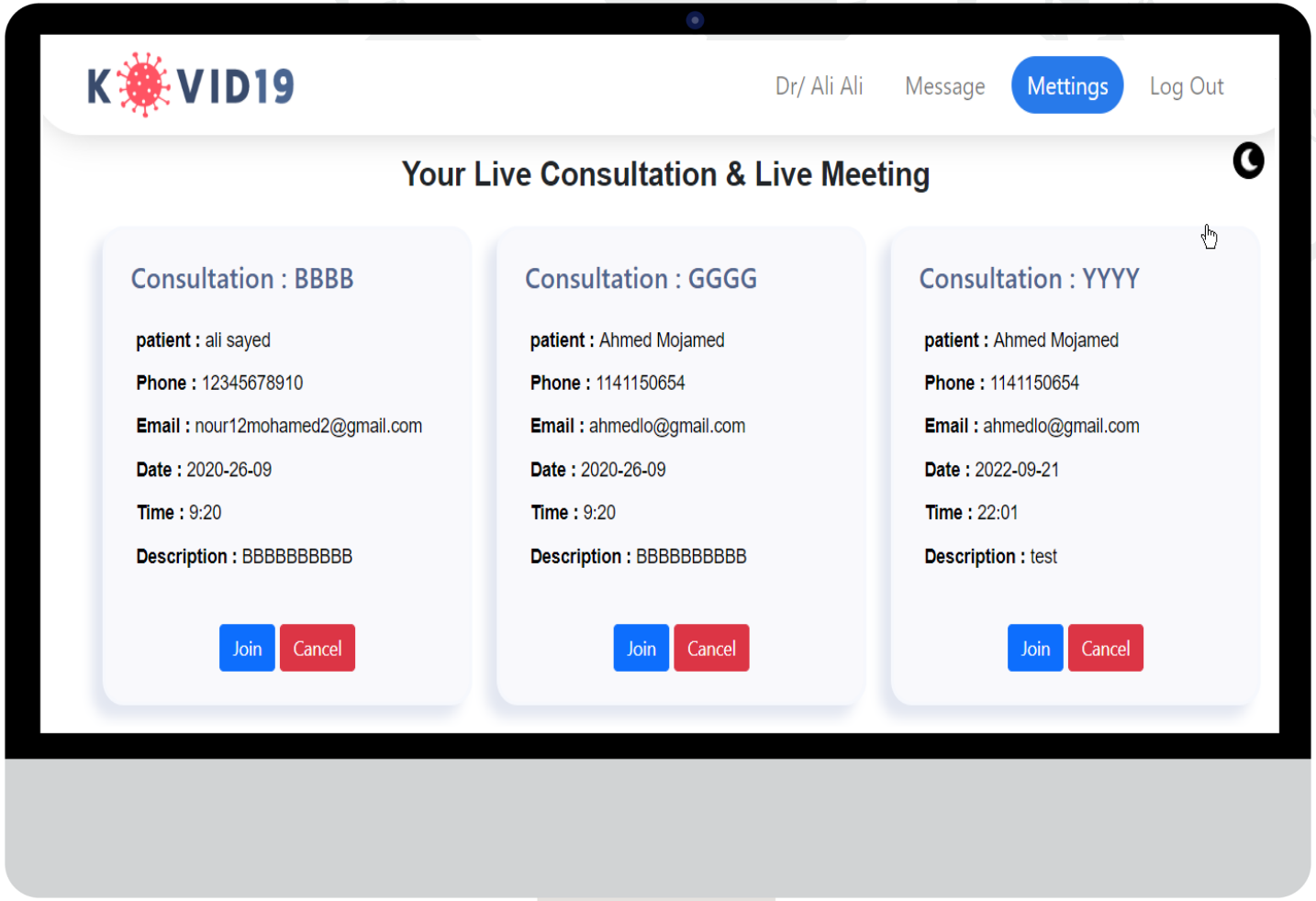
Provided services

Consultation requests

- A list of consultation requests for a specific doctor is viewed in this doctor profile page
- By the time of the consultation the doctor only needs to press join to start the live consultation with the patient
- The live consultation is done internally within the website or mobile app without any need to use external live consulting service

Provided services

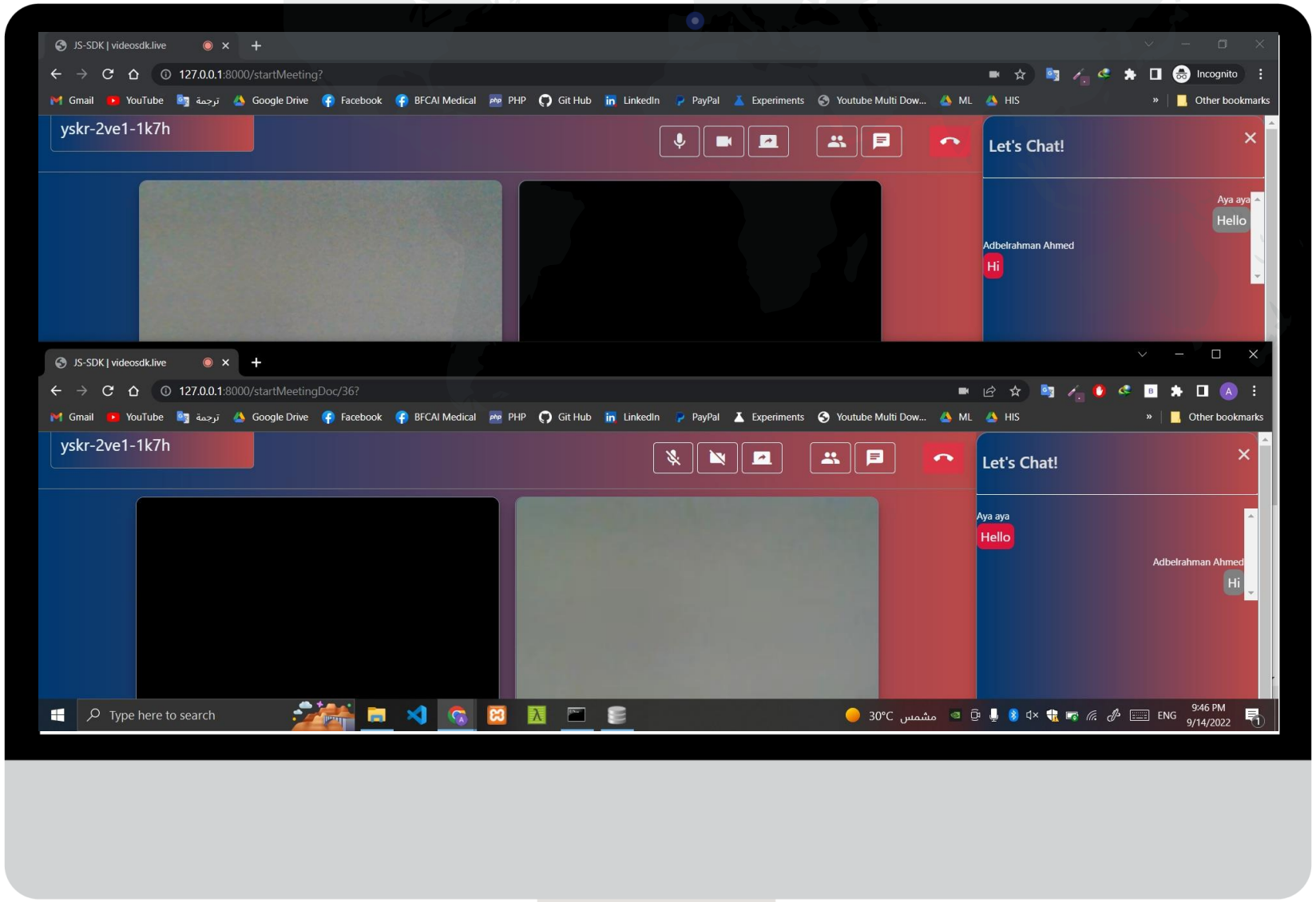
Consultation requests



Video Consultation

- Video consultation service provides a face to face video chat between doctor and patient and also between Admin and its staff (live meeting).
- This feature facilitates the communication between doctor and patient, without any need for physical (at hospital or clinic) consultation.

Video Consultation



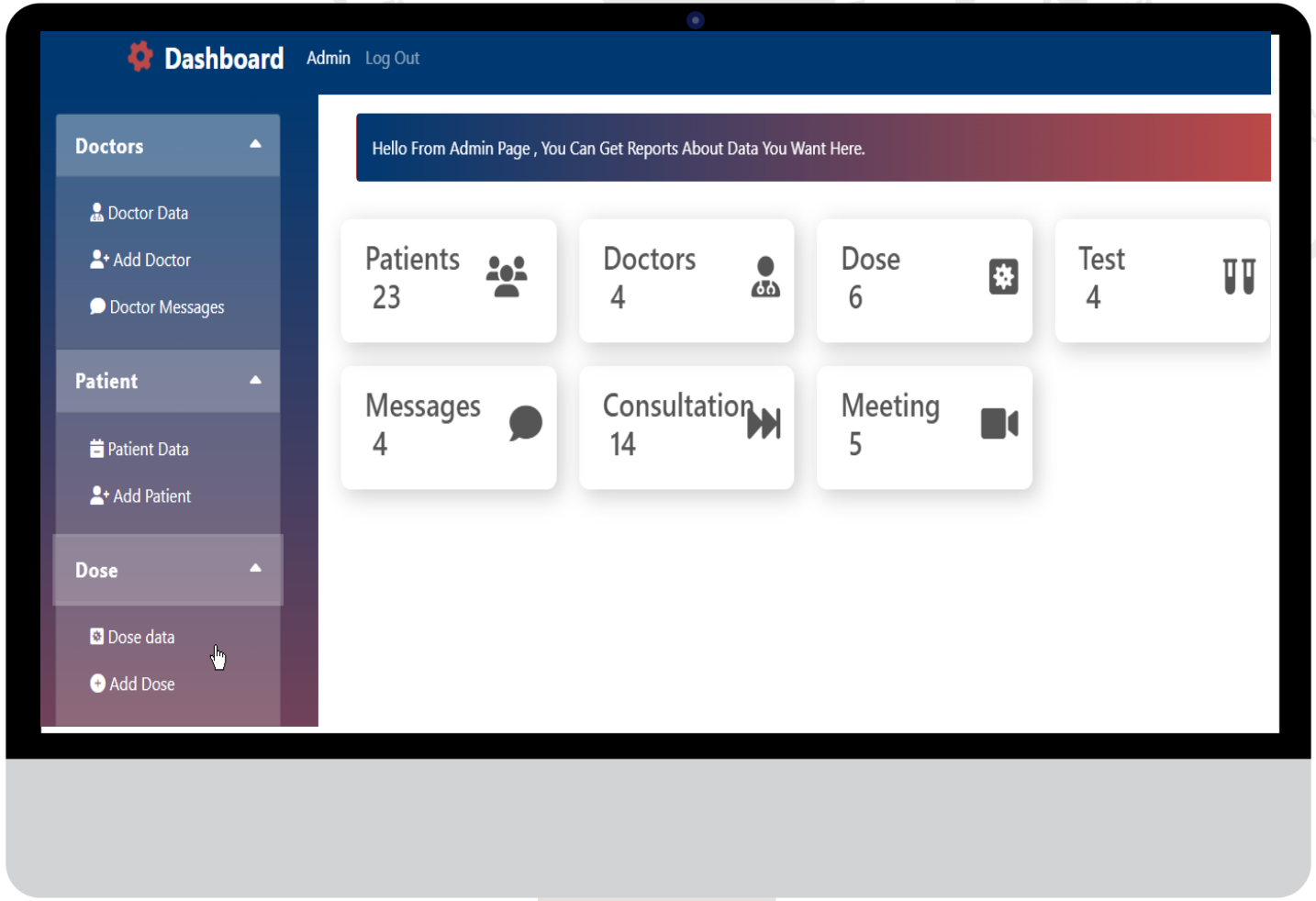
Admin dashboard

Managing and Monitoring

- The admin users of the system have a different system view of control to control all system operation
- The system provides a control panel to mange all system operations, transactions and controls.
- This control panel also enable admins to monitor all system transactions.

Admin dashboard

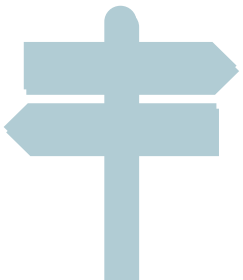
Managing and Monitoring



Admin dashboard

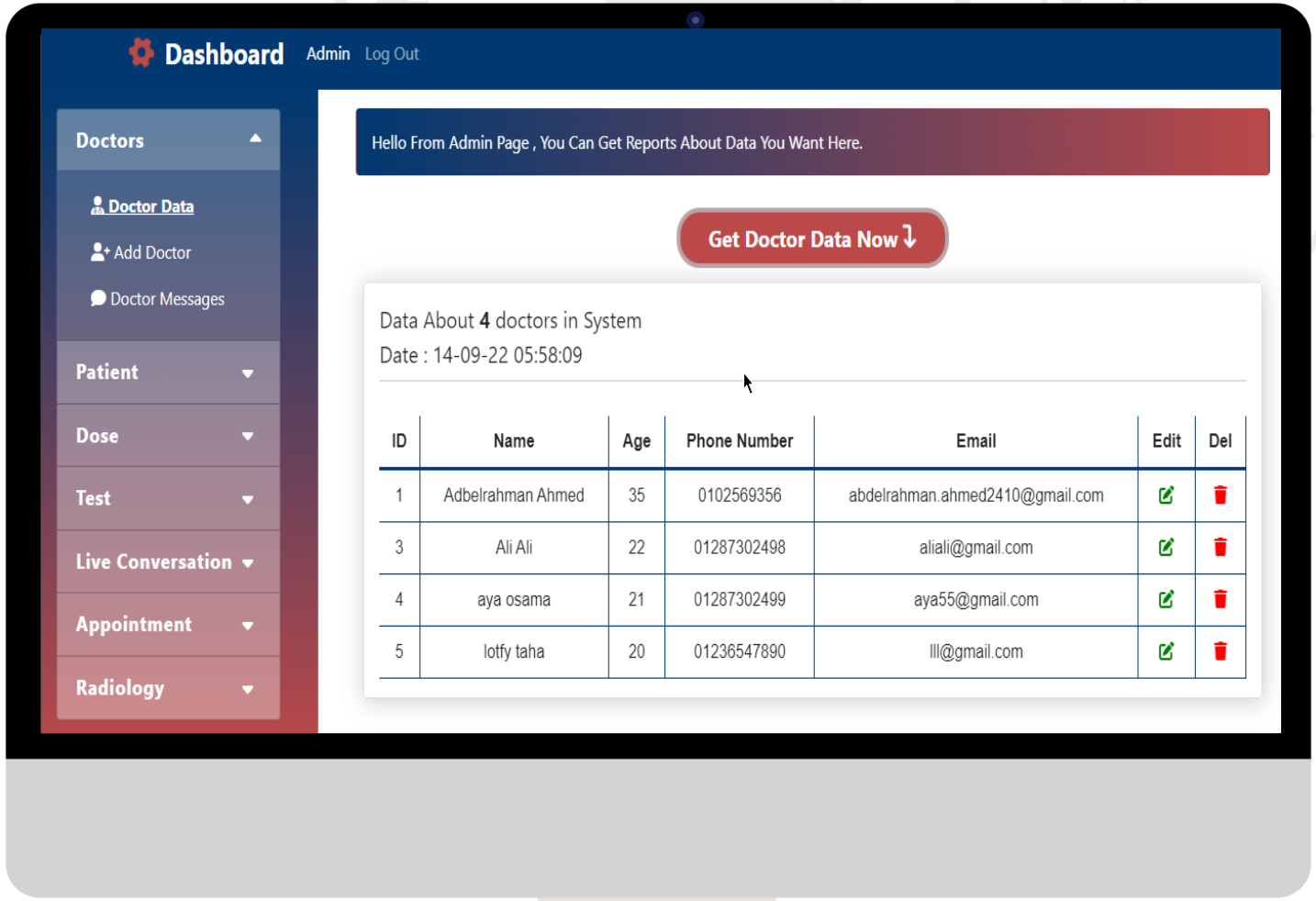
Users accounts control

- Admin could edit or update some attributes of users accounts such as emails phone numbers and so on
- Also admin could add or remove users (patient or doctors) accounts from the system.
- Admins also could browse some data related to system users such as



Admin dashboard

Users accounts control



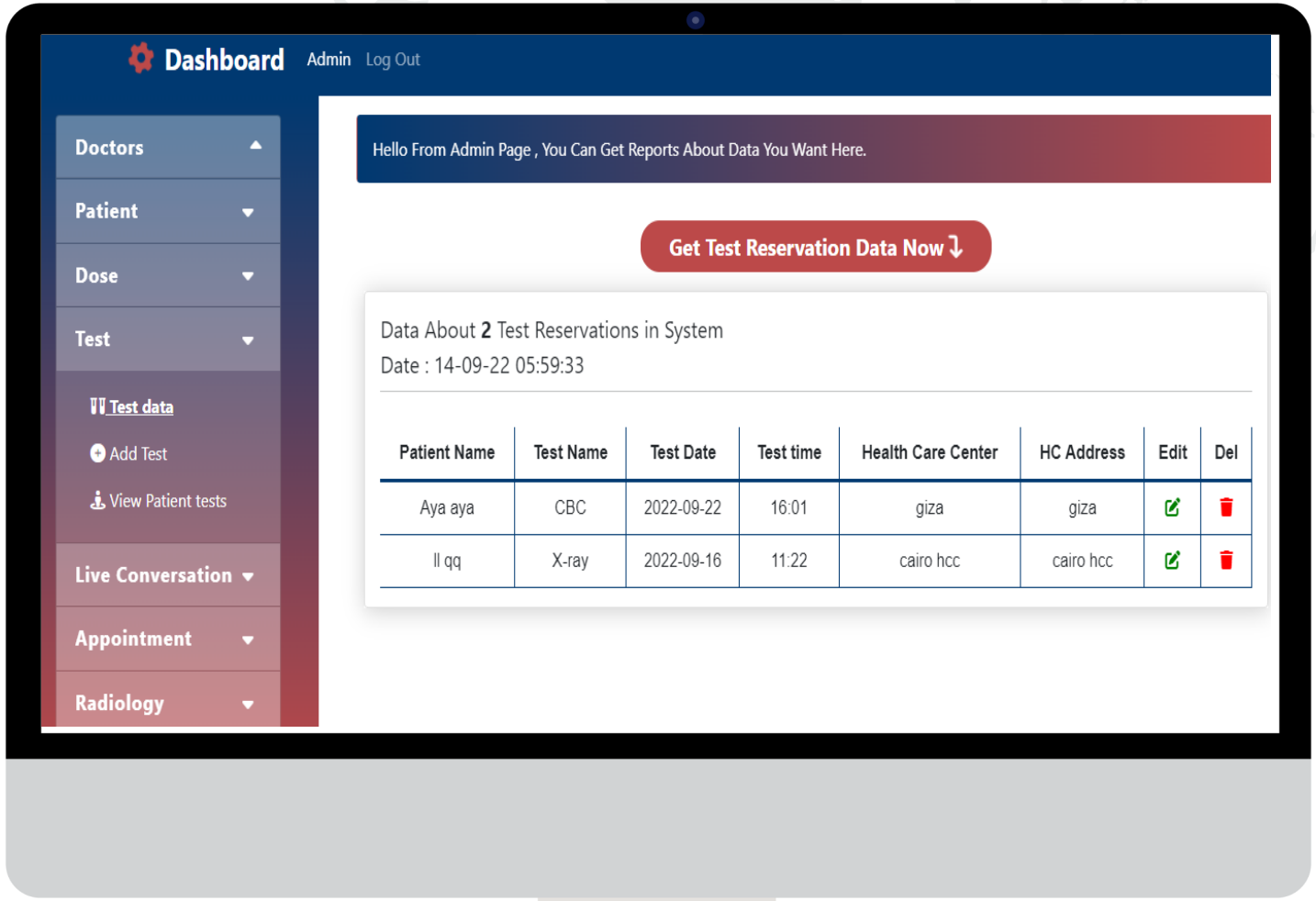
Admin dashboard

System Transaction Management

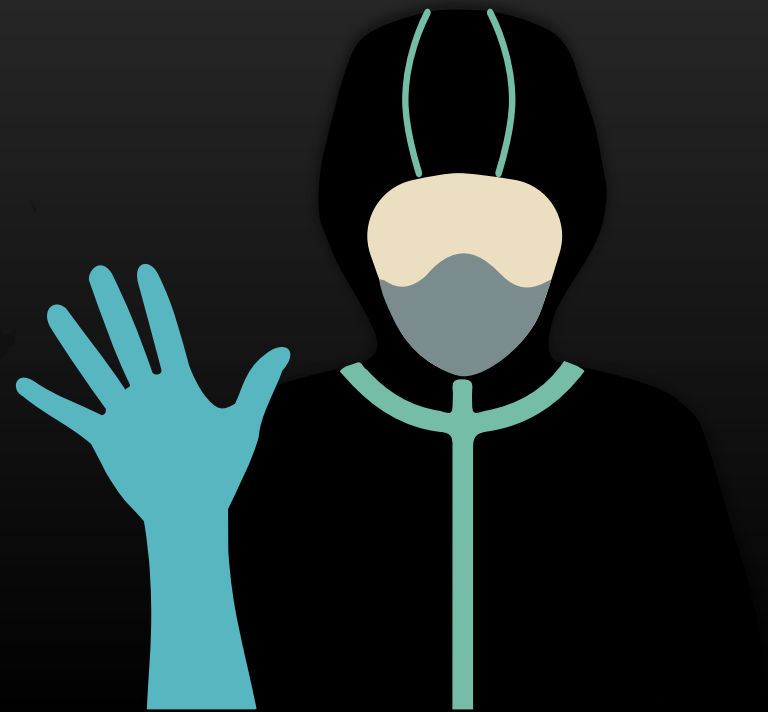
- Admin could manage different transactions done on the system.
- Admins could edit or remove some transactions performed by system users such as reservations edit and update.

Admin dashboard

System Transaction Management



Future Plan

- Adding more paid and free features such as :
  - >> Auto billing
  - >> multiple reservations for the same patient
- Adding subscription plans, each subscription has its own services and features
- Adding more modules to the HIS :
  - >> Radiology
  - >> Ambulance
  - >> Front Office
  - >> etc….

THANK YOU