

OPERATIONAL MANUAL RED APP



2020

Preface

This user manual is designed in its entirety for any user who wishes to use the system and familiarize themselves with the functionalities of the system as a whole.

Chapters

There are two sides to this manual one being the **Patient** side which will be shown and guided upon first and then there is the **Doctor's** side which will follow the patient side of manual. This is the **Doctor's** side manual.

Intended Audience

The user manual is designed in such a way that any user may they be beginners or experts will benefit from the manual as a whole.

Text Conventions

All “Features” will be indicated in bold in this document. All “Main Headings” are size 20 Calibri Light (Headings) and all “Subheadings’ are size 16 Calibri Light (Headings).

Acknowledgments

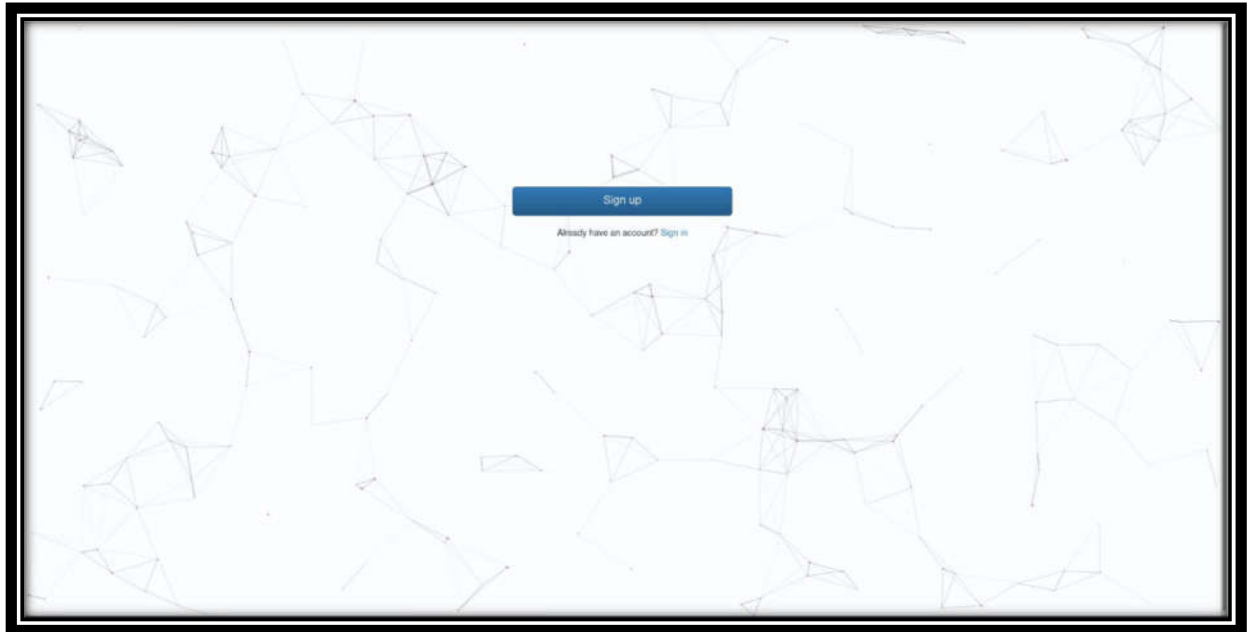
We thank the software designers who provided us with the images of the software. We also thank the users in advance for reading and using this manual to its full capacity

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Doctor

Landing Page




The Landing Page for the doctor looks relatively different to the normal Red App Landing page. There is a [signup](#) button for the new users and the [sign in](#) link for existing users.


Sign Up with Forget Password

Sign up

Already have an account? [Sign in](#)


[Forgot Your Password?](#)






Forgot Password?

You can reset your password here.


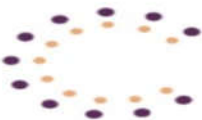


New Password




Confirm Password

Reset Password



Forgot Password?

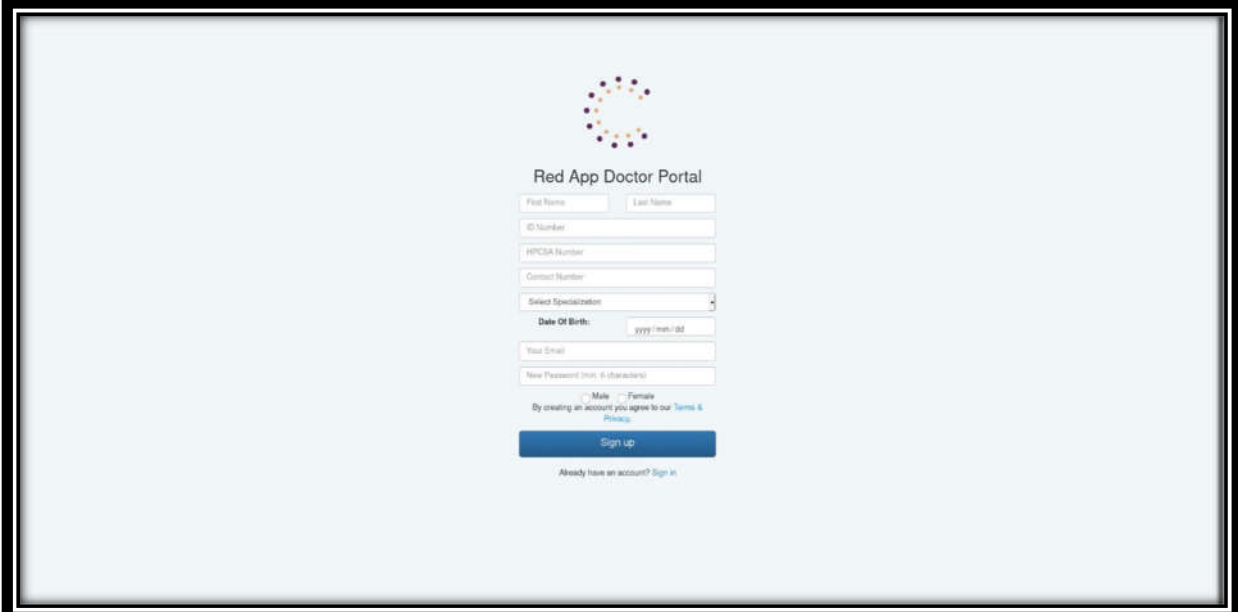
You can reset your password here.



Reset Password

If the user is a registered user and has forgotten their password, they can simply click on the forgot password link available on the sign-up page and they will be redirected to the forgot password screen. Once they click on the forgot password screen, they will be asked to insert their email address they have used during registration and the password will be sent to them via email.

Doctor Sign Up Page

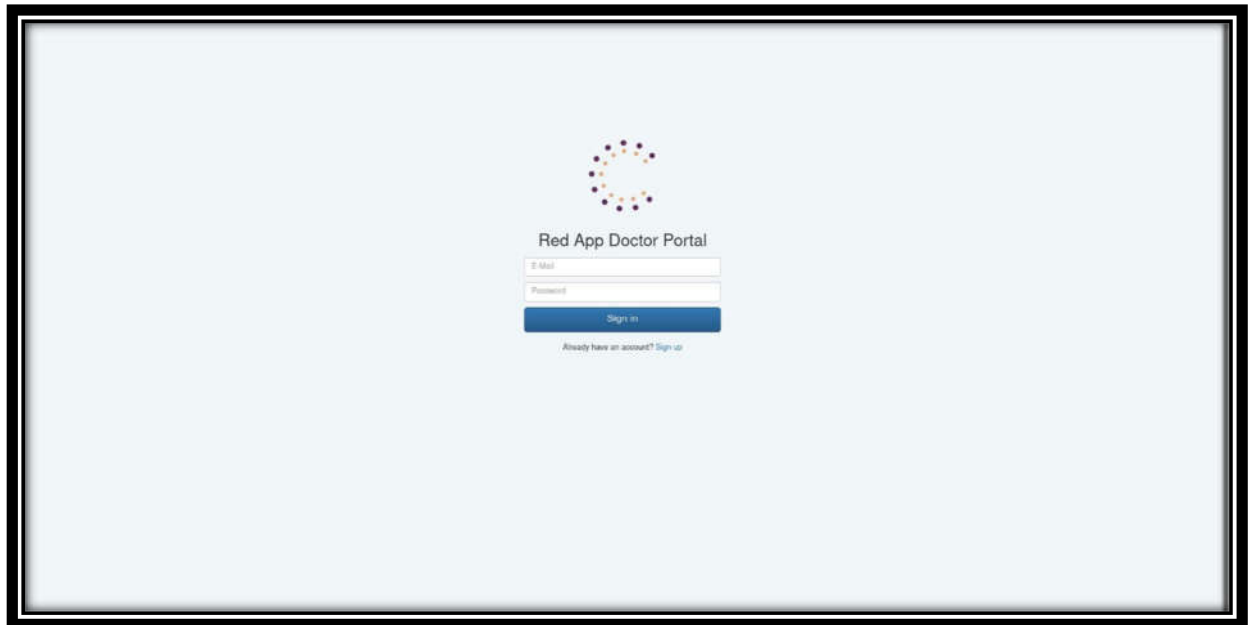


The screenshot shows the 'Red App Doctor Portal' sign-up interface. At the top center is a circular logo composed of small colored dots. Below the logo, the title 'Red App Doctor Portal' is displayed. The form contains several input fields: 'First Name' and 'Last Name' (split into two boxes), 'ID Number', 'HPCSA Number', 'Contact Number', and a 'Select Specialization' dropdown menu. Below these is a 'Date Of Birth' field with a date picker showing 'yyyy-mm-dd'. Further down are 'Your Email' and 'New Password (min. 8 characters)' fields. At the bottom of the form are radio buttons for 'Male' and 'Female', followed by a line of text: 'By creating an account you agree to our [Terms & Privacy](#)'. A large blue 'Sign up' button is positioned below the text. At the very bottom, there is a link: 'Already have an account? Sign in'.

The **Sign-Up** page has a number of options that are required to be filled by the doctor for example:

- First Name
- Last Name
- ID Number
- Hpcsa Number
- Contact Number
- Specialization (Selection)
- Date of Birth
- Email
- Password

Doctor Sign in Page

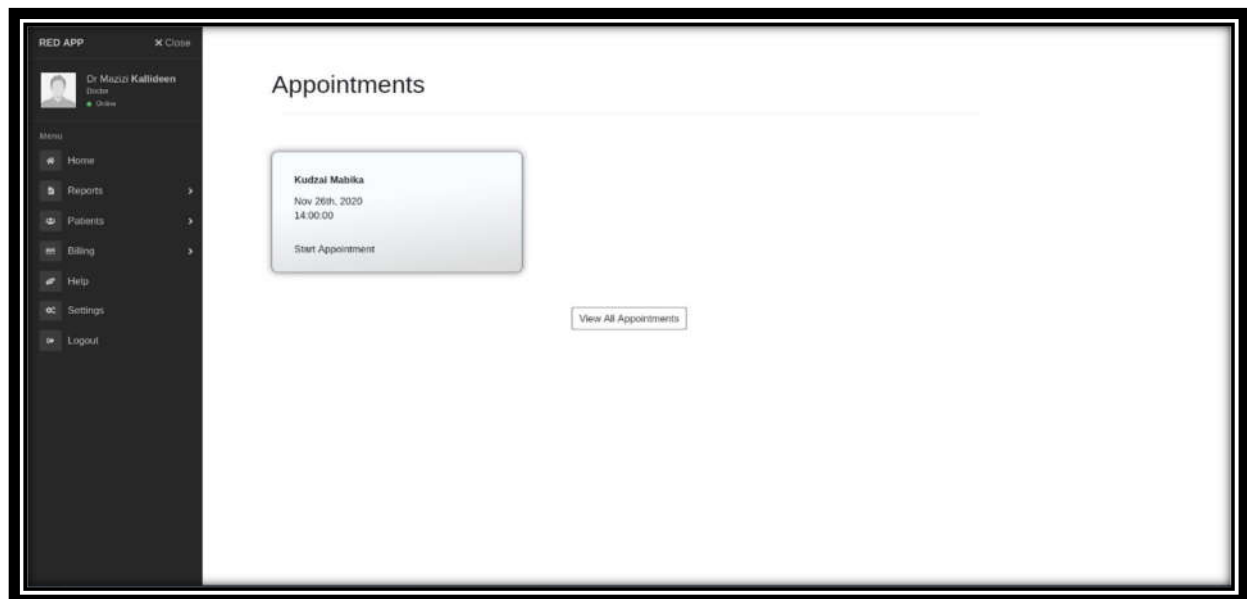


The **Sign-in** page requires the doctor to insert the following details

- Email Address
- Password

Once these details are successfully inserted the doctor should click on [Sign in](#) button visible in the middle of the screen.

Doctor's Dashboard



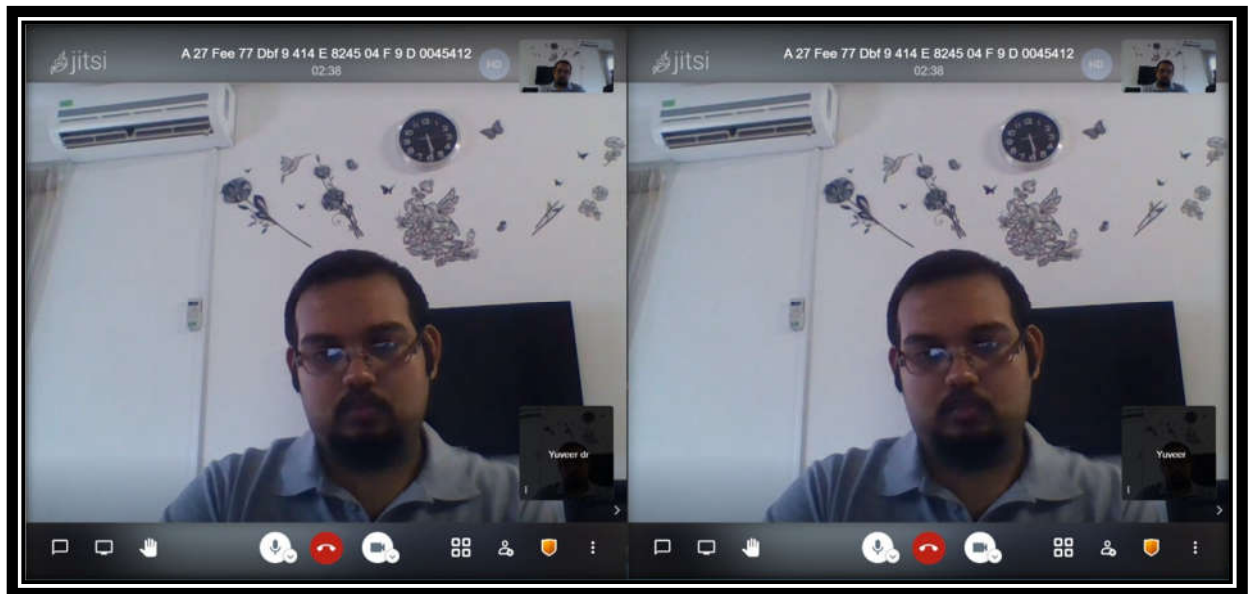
The **Dashboard** has a side bar which is accessible by clicking the [hamburger](#) menu visible on the top left-hand side corner of the screen. The Hamburger menu has a number of option show in a vertical sequence:

- Home
- Reports
- Patients
- Billing
- Help
- Settings
- Log out

The dashboard is online and displays all the appointments which are booked by the patient. The appoints card displayed on the screen has the following details:

- Patient Name
- Appointment Date
- Appointment Time
- Start Appointment Button
- View All Appointments

Online Consultation Screen

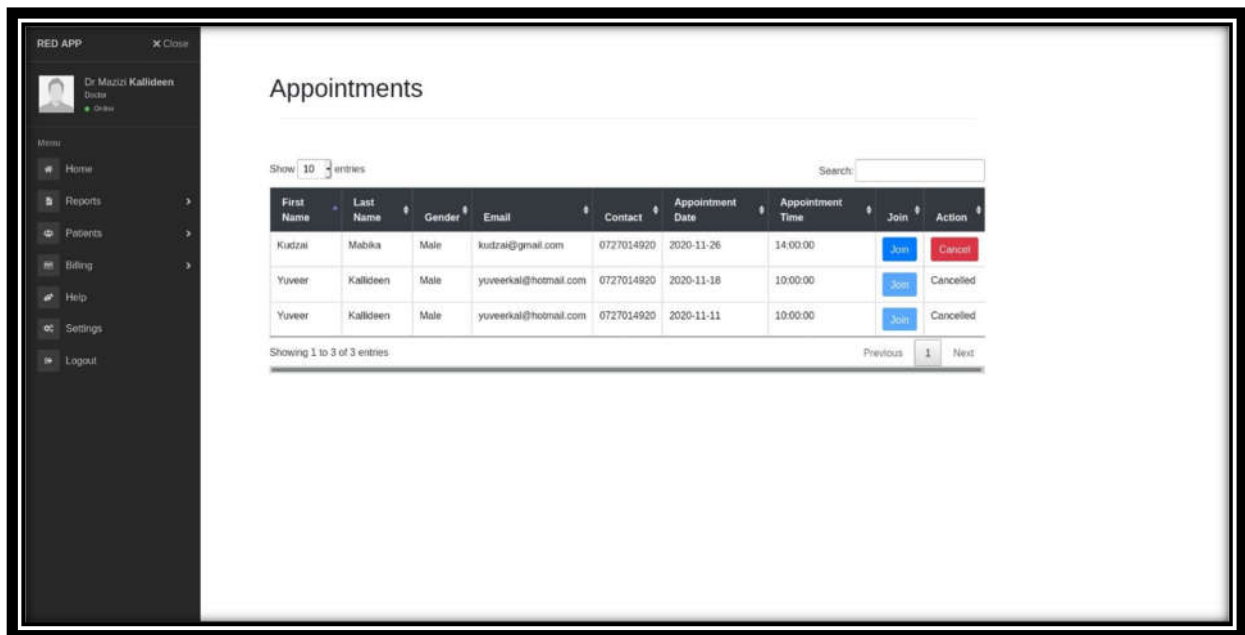


Once the start appointment button is clicked, the doctor is redirected to a page which will activate the call function. This will allow the patient and the doctor consultation to take place. An example of the link is shown below.

[“https://red-chat.herokuapp.com/d58d3914-da3e-47db-ba3b-3422bc14e8d3”](https://red-chat.herokuapp.com/d58d3914-da3e-47db-ba3b-3422bc14e8d3)

On this page the patient or the doctor is allowed to end the call and mute and unmute their mics or hide their camera functions.

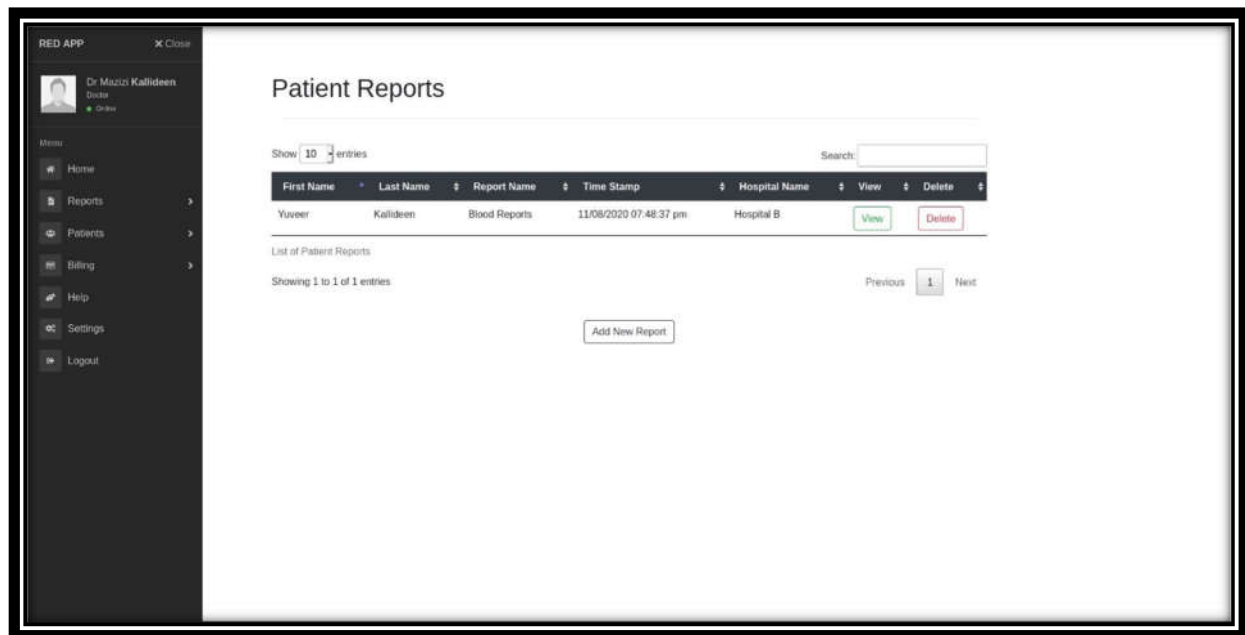
View All Appointments



The **View Appointments** is visible once the doctor clicks on the view appointments button located on the **Appointments Page**. Here the doctor will have the option to view all appointments made or canceled either by the patient or the doctor themselves. If the doctor wishes to join the call with the patient, he may click [join](#) or if the doctor wishes to cancel the call, he may click the [cancel button](#). The search option above will allow the doctor to search for appointments by typing the first name of the patient. The View Appointment page displays the following options:

- First Name
- Last Name
- Gender
- Email Address
- Contact
- Appointment Date
- Appointment Time
- Join
- Action

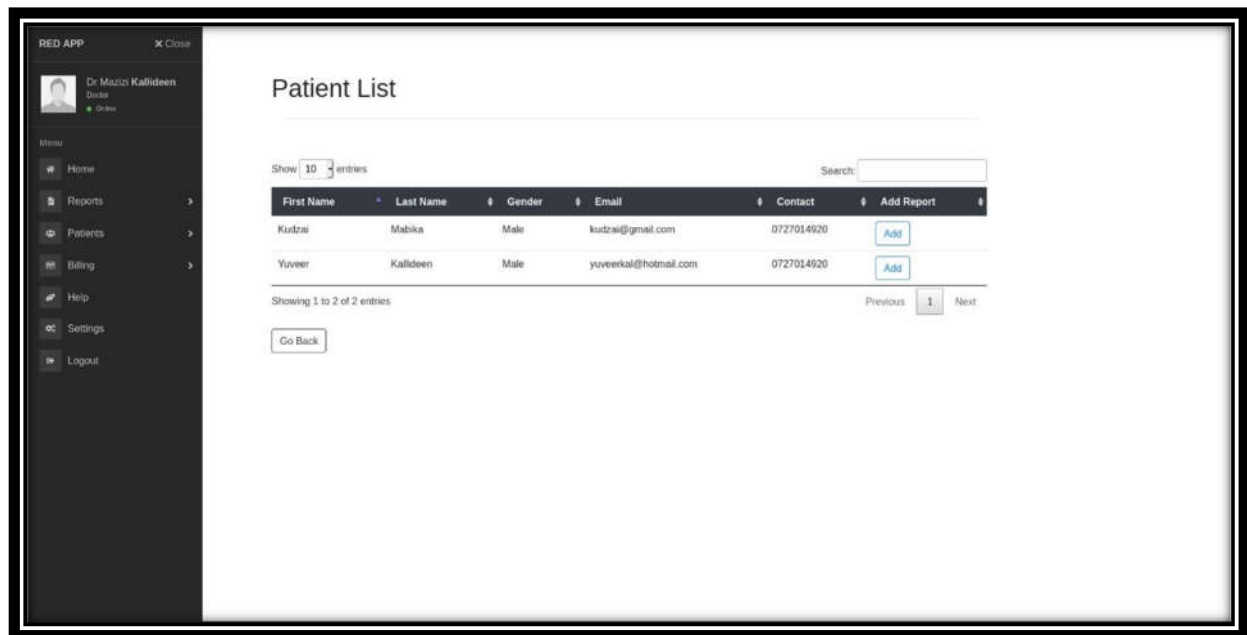
Reports



The **Patient Reports** page allows the doctor to view and upload new reports related to the patient. There are a number of functions on the reports page.

- First Name
- Last Name
- Report Name
- Time Stamp (displays the time report was uploaded)
- Hospital Name
- View
- Delete
- Add Report

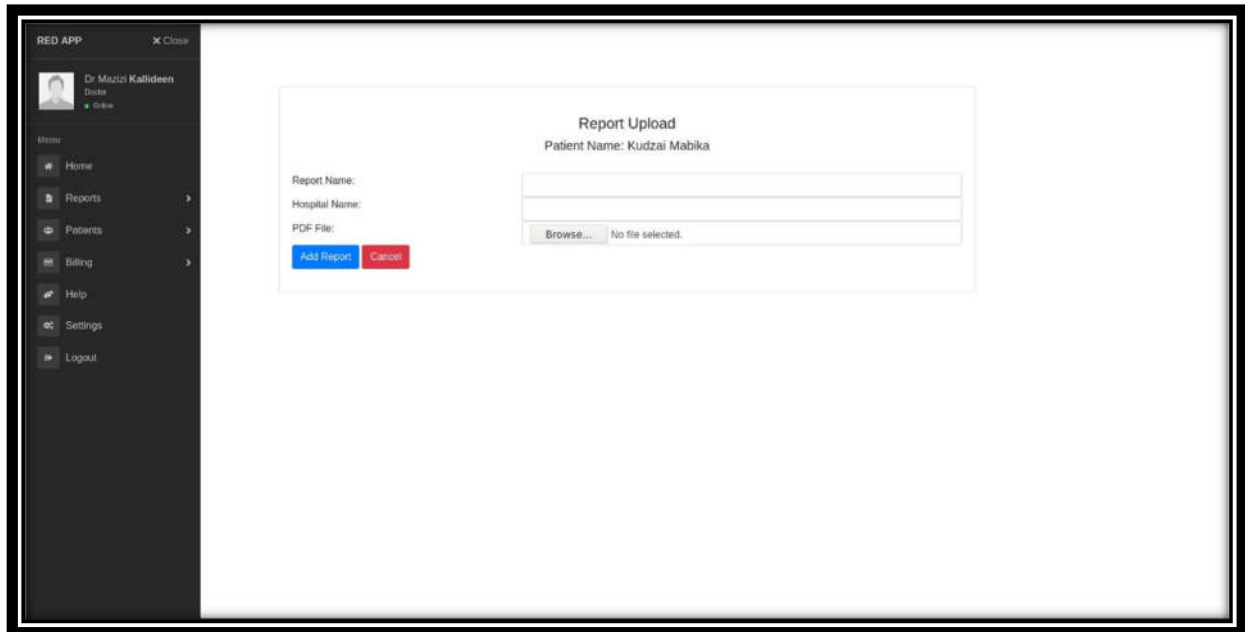
Patient List



The **Patient List** page displays all the patients in descending order. Here a doctor can add additional reports related to all patients. The [Add Button](#) will add the reports. The go back button located at the bottom left will take the doctor back to the main reports page. The following information is displayed on the patient list page. Search functions work with First Name.

- First Name
- Last Name
- Gender
- Email
- Contact
- Add Report

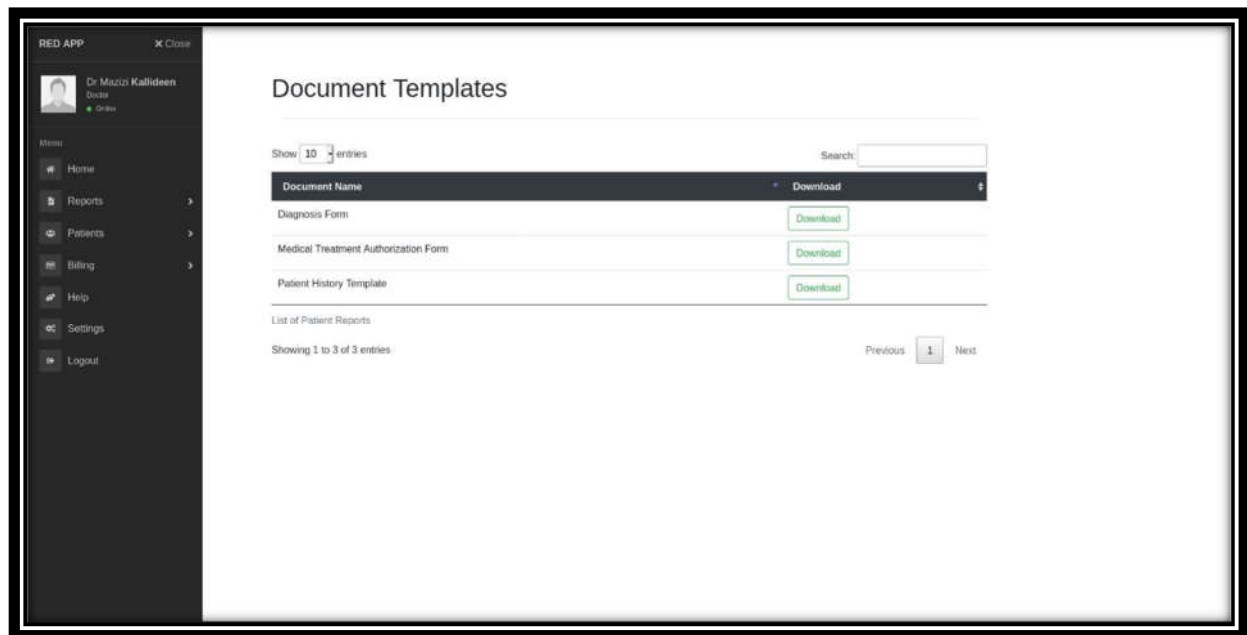
Report Table



Once the Add button clicked on the view patient page it displays the **Report Upload** page. On this page the doctor can insert the following details:

- Report Name
- Hospital Name
- Pdf File (For the format of the report)
- The Browse Button (to Browse for the specific report)
- The **Add Report** Button (to submit the report)
- **Cancel** (to cancel the upload)

Document Template





The **Document Template** Page is created for the doctor to download templates related to the patient. This page has default templates related to patient reports. Following forms are available for all doctors to download.

- Diagnosis Form
- Medical Treatment Forms
- Patient History Template

Report Templates are attached below

Diagnosis Form

In order to submit this form, you should open it with Adobe Acrobat Reader.



Diagnosis Form

For the health and safety of our community, declaration of illness is required. Be sure that the information you'll give is accurate and complete. Please get immediate medical attention if you have any of the COVID-19 signs.

Name

First Name Last Name

ID Number


Department

Diagnosis

Country, State, City

Treatment

Create your own automated PDFs with [JotForm PDF Editor](#)

 ¹

Referral

Please state whether you've experienced/are experiencing the following

Yes

No

Fever

Cough

Shortness of Breath

Persistent Pain in the Chest

I acknowledge that the information I've given is accurate and complete.

Date

Month

Day

Year

Medical Treatment Report

Test Request Form

Patient details

Name:	.....
Address:	.....
Telephone number:	.....
Date of Birth:	.....
Gender:	<input type="checkbox"/> Male <input type="checkbox"/> Female

Requester details:

Name:	.....
Organization
Address:
Telephone number:

Sample details:

Urgency:	<input type="checkbox"/> Normal <input type="checkbox"/> URGENT
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Sample taken from patient:

Date: (dd/mm/yyyy)
Time: (hh/mm)

<input type="checkbox"/> Fasting	<input type="checkbox"/> Non-fasting
----------------------------------	--------------------------------------

<input type="checkbox"/> Blood	<input type="checkbox"/> Urine	<input type="checkbox"/> Swab	<input type="checkbox"/> Tissue
<input type="checkbox"/> Faeces	<input type="checkbox"/> Sputum	<input type="checkbox"/> Fluids	<input type="checkbox"/> Cytology
<input type="checkbox"/> Other, namely:			

Relevant clinical information:

Drug therapy:	.....	Last dose:	.....
		Date:	..... (dd/mm/yyyy)
		Time:	..... (hh/mm)
Other relevant clinical information:			

Examination requested:

Profile test <input type="checkbox"/> G2000 <input type="checkbox"/> DFS <input type="checkbox"/> G 2000-X <input type="checkbox"/> LFT <input type="checkbox"/> GT9 <input type="checkbox"/> RFT <input type="checkbox"/> GTI <input type="checkbox"/> TFT <input type="checkbox"/> NEO <input type="checkbox"/> MAC <input type="checkbox"/> ES <input type="checkbox"/> LGL <input type="checkbox"/> HB3 <input type="checkbox"/> LIP	Biochemistry <input type="checkbox"/> CEA <input type="checkbox"/> HIV 1 & 2 <input type="checkbox"/> CA 1 <input type="checkbox"/> HbA1c <input type="checkbox"/> CA 5 <input type="checkbox"/> HBsAg <input type="checkbox"/> CA 9 <input type="checkbox"/> H. pylori <input type="checkbox"/> PSA <input type="checkbox"/> Uric Acid <input type="checkbox"/> AFP <input type="checkbox"/> Free T4 <input type="checkbox"/> Glucose	Hematology <input type="checkbox"/> FBE (incl. ESR) <input type="checkbox"/> FBC <input type="checkbox"/> Hb <input type="checkbox"/> TWDC <input type="checkbox"/> Platelets <input type="checkbox"/> ABO & Rh (D) <input type="checkbox"/> Malaria parasites	Microbiology <input type="checkbox"/> Urine FEME <input type="checkbox"/> RPR (VDRL) <input type="checkbox"/> Microscopy/Culture/Sensitivity <input type="checkbox"/> AFB (ZN) Smear Only <input type="checkbox"/> AFB Smear & Culture	Anatomical Pathology <input type="checkbox"/> Histology <input type="checkbox"/> Non-Gynae/FNA Site:
--	--	--	--	--

Additional tests:

.....
.....
.....
.....
.....
.....
.....
.....

Cervical Cytology:

<input type="checkbox"/> Pap smear <input type="checkbox"/> Normal <input type="checkbox"/> Post-Mono Blood <input type="checkbox"/> Susp lesion <input type="checkbox"/> Other:	Site: <input type="checkbox"/> Cervix <input type="checkbox"/> Endocx <input type="checkbox"/> Post Fornix <input type="checkbox"/> Vault <input type="checkbox"/> Lat. Vag. Wall. <input type="checkbox"/> Other, namely:
<input type="checkbox"/> LMP (dd/mm/yyyy) <input type="checkbox"/> Post – menopausal <input type="checkbox"/> HRT (hormone Replacement) <input type="checkbox"/> Other, namely:	

Date: (dd/mm/yyyy)

Doctor's signature:



Patient Treatment Authorization Form

Medical Treatment Authorization Form

This form grants temporary authority to a designated adult to provide and arrange for medical care for a minor in the event of an emergency, where the minor is not accompanied by either parents or legal guardians, and it may not be feasible or practical to contact them. This form should be given to the trip leader or shown to the trip leader and then carried by the designated adult.

Minor

Full Legal Name: _____

Home Address: _____

Date of Birth: _____ Gender: Female _____ Male _____

Information for Medical Treatment

Physician's Name and Location of Practice: _____

Physician's Phone # (if known): (____) _____

Medical Insurer/Health Plan: _____ Policy #: _____

Allergies to Medications: _____

Allergies (Other): _____

Please note **all** conditions for which the child is currently receiving treatment:

Note any other significant medical information:

AUTHORIZATION AND CONSENT OF PARENT(S) OR LEGAL GUARDIAN(S)

I do hereby state that I have legal custody of the aforementioned Minor. I grant my authorization and consent for _____ (hereafter "Designated Adult") to administer general first aid treatment for any minor injuries or illnesses experienced by the Minor. If the injury or illness is life threatening or in need of emergency treatment, I authorize the Designated Adult to summon any and all professional emergency personnel to attend, transport, and treat the minor and to issue consent for any X-ray, anesthetic, blood transfusion, medication, or other medical diagnosis, treatment, or hospital care deemed advisable by, and to be rendered under the general supervision of, any licensed physician, surgeon, dentist, hospital, or other medical professional or institution duly licensed to practice in the state in which such treatment is to occur. I agree to assume financial responsibility for all expenses of such care.

It is understood that this authorization is given in advance of any such medical treatment, but is given to provide authority and power on the part of the Designated Adult in the exercise of his or her best judgment upon the advice of any such medical or emergency personnel.

This authorization is effective through: _____ Signed this _____ day of _____, 20____.

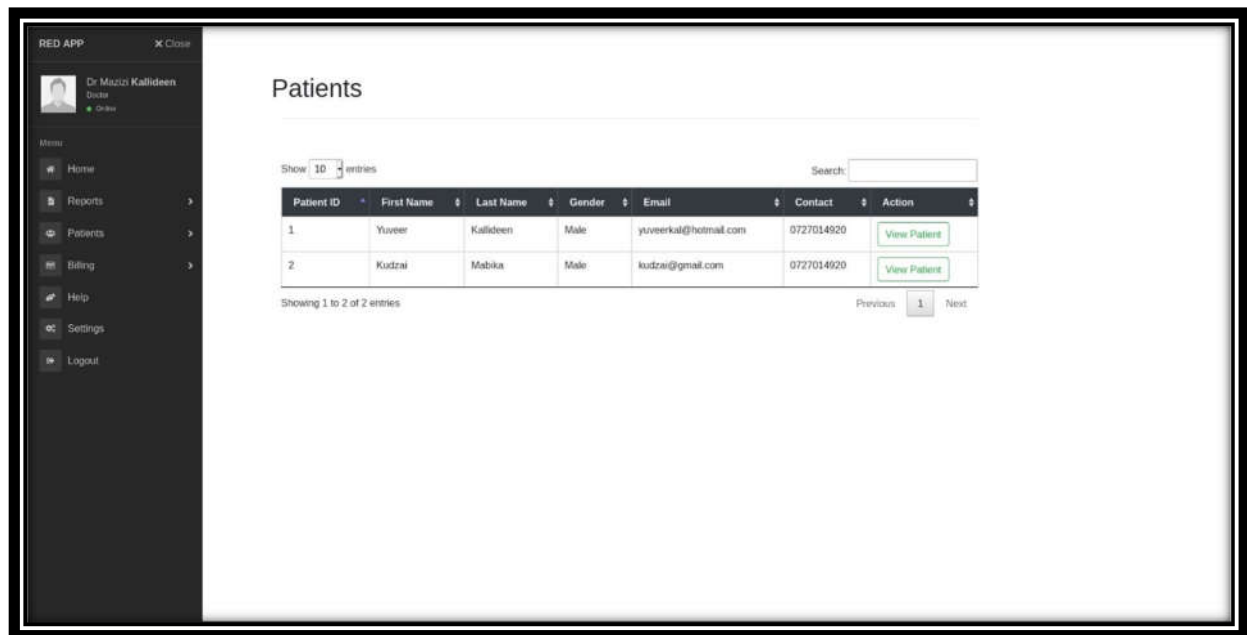
Parent / Legal Guardian Signature: _____ Printed Name: _____

Witness Signature: _____ Printed Name: _____

Confidential

Rev. July 2004

Patient Page



The **Patients** Page Branches into multiple pages. The patients page has the following details.

- PatientID (Number)
- First Name
- Last Name
- Gender
- Email
- Contact
- Action ([View Patient](#))

When the View Patient Button is Clicked it branches out to the following cards

- Prescription
- Blood Pleasure
- Heart Rate
- Blood Sugar
- Complaints
- Cholesterol
- Prescribed Sick Note
- Patient History

Prescription

RED APP

Dr. Mazzi Njokuweni
Doctor
Online

Menu

Home

Reports

Patients

Billing

Help

Settings

Logout

Prescriptions

Medication Name	Man. Name	Unit	Add To List
Norflex	Orphenadrine citrate	mg	Add to List
Norflex	Orphenadrine citrate	mg	Add to List
Norflex	Orphenadrine citrate	mg	Add to List
Norflex	Orphenadrine citrate	mg	Add to List
Migil	Caffeine hydrate	mg	Add to List
Duramine	Phentermine	mg	Add to List
Duramine	Phentermine	mg	Add to List
Disipal	Orphenadrine hydrochloride	mg	Add to List
Tambacor	Flacabide acetate	mg	Add to List
Tambacor	Flacabide acetate	mg	Add to List

RED APP

Dr. Mazzi Njokuweni
Doctor
Online

Menu

Home

Reports

Patients

Billing

Help

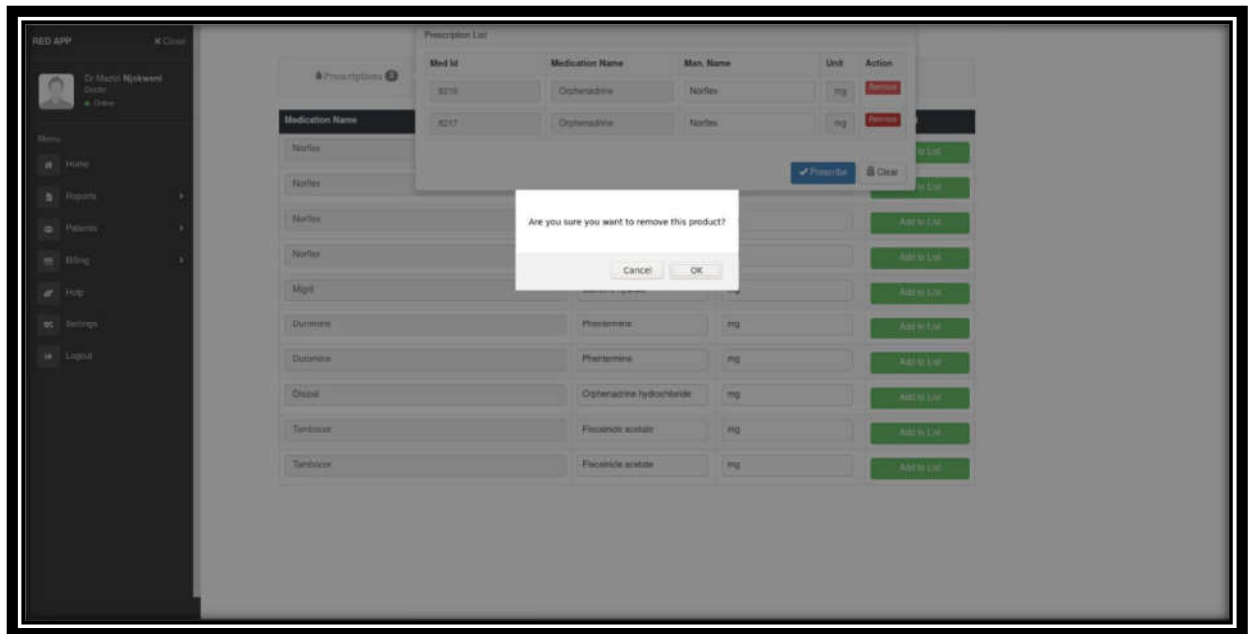
Settings

Logout

Prescriptions

Medication Name	Man. Name	Unit	Add To List
Norflex	Orphenadrine citrate	mg	Add to List
Norflex	Orphenadrine citrate	mg	Add to List
Norflex	Orphenadrine citrate	mg	Add to List
Norflex	Orphenadrine citrate	mg	Add to List
Migil	Caffeine hydrate	mg	Add to List
Duramine	Phentermine	mg	Add to List
Duramine	Phentermine	mg	Add to List
Disipal	Orphenadrine hydrochloride	mg	Add to List
Tambacor	Flacabide acetate	mg	Add to List
Tambacor	Flacabide acetate	mg	Add to List

Item has been Added into Prescription
OK



For the **Prescription Page** the doctor will select the medication and **add it to the list**. As the medication is selected it stores in the prescription database. Once the doctor has selected the medications and added them to the data base, he can then simply click the prescribe button and the prescription is generated which can be sent to the patient or the pharmacy via email. In the case where the medication is wrongly selected the doctor can click on the **remove medication button** and it will be removed from the database.

Blood Pressure

Patient: John Craig Doctor: Yuveer Kallideen

Profile Settings

- prescription
- Blood Pressure**
- Heart Rate
- Blood Sugar
- Complaints
- Cholesterol
- Prescribe Sicknote
- Patient History

Enter Systolic Blood Pressure

Date	Systolic	Diastolic
2020-10-28	510mg/dl	258mg/dl
2020-10-27	125mg/dl	110mg/dl
2020-10-27	118mg/dl	120mg/dl
2020-10-15	255mg/dl	260mg/dl

Enter Systolic Blood Pressure Value

Enter Diastolic Blood Pressure Value

Date

This page allows the doctor to manually insert the blood pressure figures of the patient (Systolic and Diastolic), select date of the test and it updates live on the patient's dashboard. Following options are available on this page.

- Enter Systolic Blood Pressure Value
- Enter Diastolic pressure Value
- Date
- [Add Blood Pressure](#)

Heart Rate

Date	Heart Rate
2020-11-19	108bpm
2020-11-18	98bpm
2020-11-16	54bpm
2020-11-10	65bpm
2020-11-09	78bpm

Enter Patient's Heart Rate

Date

yyyy/mm/dd

Add Heart Rate

The **Heart Rate** page allows the doctor to feed current heart rate of the patient. The heart rate figures pull through to the patient dashboard and update the graph related to the heart rate on the patient dashboard. Following details are displayed on the page:

- Enter Patients Heart Rate
- Date
- [Add Heart Rate Button](#)

Blood Sugar

The screenshot displays a web application interface for managing patient blood sugar. At the top, it identifies the patient as John Craig and the doctor as Yuveer Kallideen. A sidebar menu on the left includes options like Profile Settings, prescription, Blood Pressure, Heart Rate, Blood Sugar (which is highlighted), Complaints, Cholesterol, Prescribe Sicknote, and Patient History. The main content area, titled 'Patient's Blood Sugar', shows a table with two rows of data: one for 2020-11-11 with a value of 4.8mmol/L, and another for 2020-11-09 with a value of 3.5mmol/L. Below the table is a form to 'Enter Patient's Blood Sugar' with a text input field, a date picker set to 'yyyy/mm/dd', and a blue 'Add Blood Sugar' button.

Blood Sugar page allows the doctor to insert blood sugar values of the patient with the date and the information inserted reflects live on the patient's dashboard. Flowing information is displayed on the page:

- Enter Patient's Blood Sugar
- Date
- [Add Blood Sugar](#)

Complaints

The screenshot displays a web application interface for managing patient complaints. At the top, it identifies the patient as 'John Craig' and the doctor as 'Yuveer Kallideen'. A sidebar on the left contains a menu with options: 'Profile Settings', 'prescription', 'Blood Pressure', 'Heart Rate', 'Blood Sugar', 'Complaints' (which is highlighted in blue), 'Cholesterol', 'Prescribe Scknote', and 'Patient History'. The main content area is titled 'Patient's Complaints' and features a table with two columns: 'Date' and 'Complaint'. The 'Date' column contains the value '2020-11-09', and the 'Complaint' column contains 'Sore Stomach'. Below the table, there is a text input field labeled 'Enter Patient's complaint:'. At the bottom of the form, there is a 'Date' label, a date picker showing 'yyyy/mm/dd', and a blue button labeled 'Add complaint'.

The **Complaints** page Allows the doctor to type outpatient's complaints and this updates on the doctor's screen with the date stamp. This will help the doctor to refer back to older complaints of the patients and advise treatment accordingly. The following information is displayed on this page:

- Enter Patient Complaint
- Date
- [Add Complaint Button](#)

Cholesterol

The screenshot displays a web application interface for managing patient cholesterol. At the top, it identifies the patient as John Craig and the doctor as Yuveer Kallideen. A left sidebar contains a 'Profile Settings' menu with options like Prescription, Blood Pressure, Heart Rate, Blood Sugar, Complaints, Cholesterol (highlighted), Prescribe Schedule, and Patient History. The main content area is titled 'Patient's Cholesterol' and features a table with columns for 'Date' and 'Cholesterol Value'. The table lists three entries: 2020-11-11 with a value of 43mg/dl, 2020-11-06 with 25mg/dl, and 2020-11-04 with 110mg/dl. Below the table is a form to 'Enter Cholesterol Value' with a text input field, a date picker set to '2020/11/06', and a blue 'Add Cholesterol' button.

Date	Cholesterol Value
2020-11-11	43mg/dl
2020-11-06	25mg/dl
2020-11-04	110mg/dl

The **Cholesterol** Page allows the doctor to insert the cholesterol of the patient and this value updates on the patient dashboard. Following information is displayed on the page:

- Enter Cholesterol Page
- Date
- [Add Cholesterol Button](#)

Prescribe Sick note

The screenshot shows a web application interface for prescribing a sick note. At the top, it displays 'Patient: John Craig' and 'Doctor: Yuvver Kallideen'. On the left, there is a sidebar menu with options: 'Profile Settings', 'Prescription', 'Blood Pressure', 'Heart Rate', 'Blood Sugar', 'Complaints', 'Checkup', 'Prescribe Sicknote' (which is highlighted in blue), and 'Patient History'. The main area is titled 'SickNote' and contains several input fields: 'Name', 'Gender', 'Email', 'Age', 'Phone', 'Start Date' (with a calendar icon), 'End Date' (with a calendar icon), 'Diagnosis', and 'Medical Advice'. A blue 'Save changes' button is located at the bottom of the form.

The Prescribe Sick Note page is where a doctor can prescribe a sick note to the patient. This sick note can be emailed to the patient. The following information should be inserted in order to issue a sick note:

- Name
- Gender
- Email
- Age
- Phone Number
- Start Date
- End Date
- Diagnosis
- Medical Advice
- [Save Changes](#)

Patient History

The screenshot shows a web application interface for 'Patient History'. At the top left is a 'Menu' button. The title 'Patient History' is centered. Below it, the patient's name 'Patient Name: Yuveer Kallideen' is displayed. There is a 'Show 10 entries' dropdown and a search bar. A table with 8 columns follows: Patient ID, First Name, Last Name, Time Stamp, Doctor First Name, Doctor Last Name, View, and Delete. The table contains 6 rows of data. Each row has a green 'View' button and a red 'Delete' button. At the bottom, there is a 'Back' button, a pagination indicator 'Showing 1 to 6 of 6 entries', and a 'Previous 1 Next' set of buttons. An 'Add New Patient History File' button is at the bottom center.

Patient ID	First Name	Last Name	Time Stamp	Doctor First Name	Doctor Last Name	View	Delete
1	Yuveer	Kallideen	11/07/2020 05:47:23 pm	Sbusiso	Zuma	View	Delete
1	Yuveer	Kallideen	11/08/2020 11:02:04 pm	Mazizi	Njokweni	View	Delete
1	Yuveer	Kallideen	11/09/2020 08:20:35 pm	Mazizi	Njokweni	View	Delete
1	Yuveer	Kallideen	11/10/2020 05:26:17 pm	Jesse	Lingard	View	Delete
1	Yuveer	Kallideen	11/10/2020 05:26:24 pm	Jesse	Lingard	View	Delete
1	Yuveer	Kallideen	11/10/2020 05:27:37 pm	Jesse	Lingard	View	Delete

The **Patient History** page is designed for the doctor to view a particular patient's history (medical). Histories uploaded by the other doctors can be viewed but can not be deleted for example Doctor a cannot delete Doctor B's reports. Following options are available on this page:

- Patient ID
- First Name
- Last Name
- Time Stamp
- Doctor First Name
- Doctor Last Name
- [View](#)
- [Delete](#)

Settings Page

140x140

Dr. John Smith
M.B.B.S

Medical Doctor

Choose File No file chosen Submit

Select Photo

Settings

Full Name Practice Number

John Smith 123454678

Contact Number

0822225454

Change Password

Current Password

New Password

Confirm Password

Save Changes

Settings Page has all the settings related to the doctor, here the doctor can update personal details and change or update their passwords. Following are the details changeable.

- Full Name
- Practice Number
- Contact Number
- Current Password
- New Password
- Confirm Password
- [Save Changes](#)