

Patient Management System



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Overview:

A Patient Management System (PMS) is a sophisticated software solution revolutionizing healthcare administration. By seamlessly integrating patient data, appointment scheduling, electronic health records, PMS enhances efficiency in healthcare facilities. It empowers healthcare providers with instant access to comprehensive patient information, enabling accurate diagnoses and personalized treatments. With features like prescription management, automated reminders, and secure communication channels.

It's an Application using Angular framework with TypeScript, ADO.NETCore framework using C# at the server side, MySQL WorkBench for DataBase Management, and ADO.net WebAPI Frame Work for building HTTP Services.

Features:

Login:

- The login page is with two fields "Email" and "Password". The Log In button will navigate to the Home Page after successful login.
- As a super admin, you have access to all system functionalities, including user management, system configuration, and advanced settings. Please use your privileges responsibly and only perform actions necessary for system maintenance and management. Upon successful login, you will be redirected to the system dashboard, where you can monitor system activities, generate reports, and manage users and patient data efficiently.

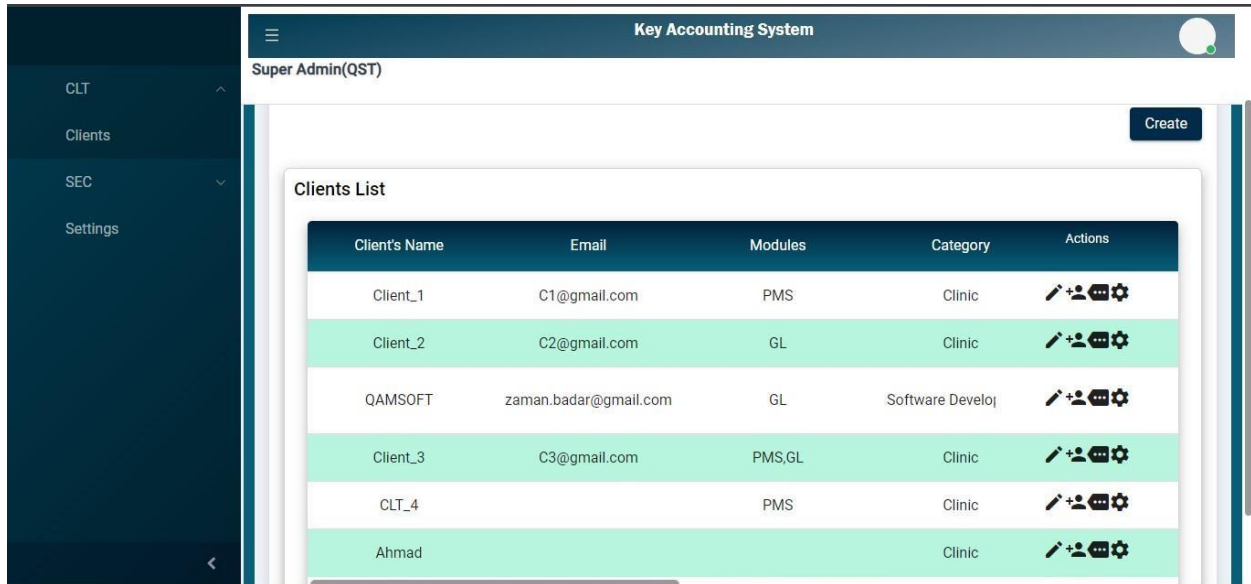
A login form with a blue header containing a user icon. Below the header are two input fields: 'Email' with an envelope icon and 'Password' with a key icon and a toggle eye icon. A dark blue 'Login' button with a right-pointing arrow is positioned below the fields. At the bottom, there is a link for 'Forgot Password?' with a question mark icon.

Add Clients:

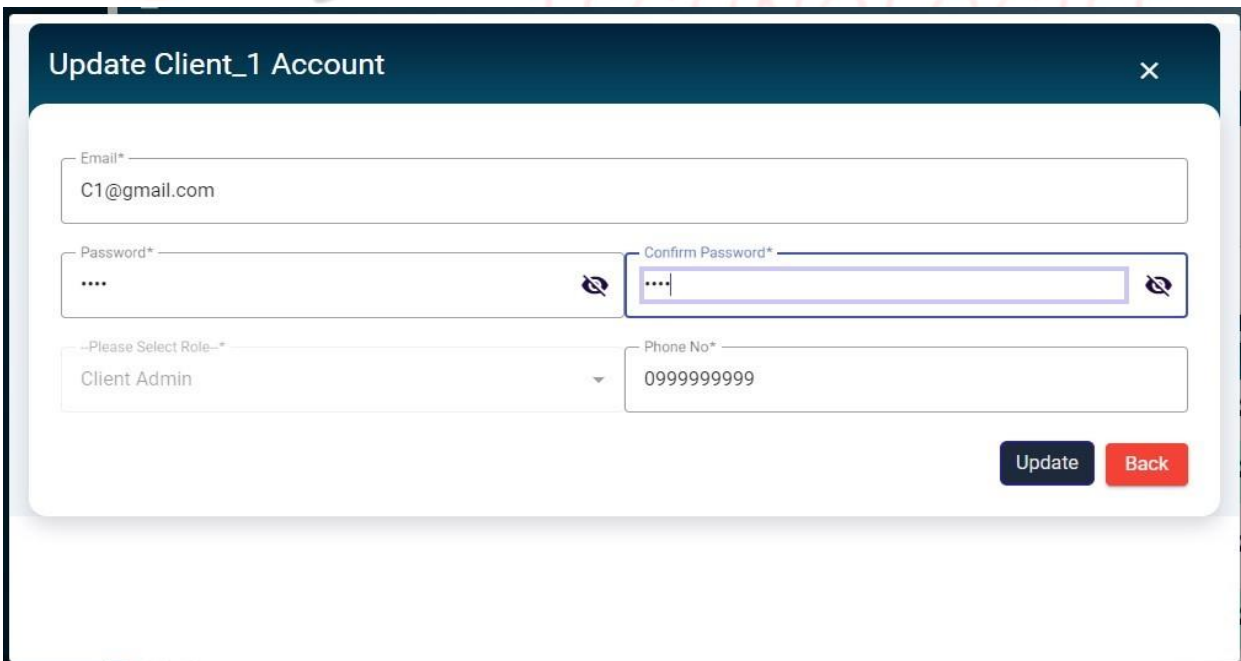
- On the Clients page, you will find an option to add a new client. Click on the "Create" button to initiate the client creation process.
- Once you have filled out all the necessary information, click on the "Create" button to add the client to the system. A confirmation message will appear, indicating that the client has been successfully added.

A 'Manage Client' form with a dark blue header and a close button. The form contains several input fields and dropdown menus: 'Client's Name*' (Ahmad), 'Select Category*' (Clinic), 'Contact*' (+(03) 044-106616), 'Owner*' (Admin), 'Relevant Person' (Noman), 'Address*' (Green Park society), 'Select Country' (Pakistan), and 'Select City' (Lahore). There is a checkbox for 'Is Active' which is checked. A dark blue 'Create' button with a refresh icon is located at the bottom right.

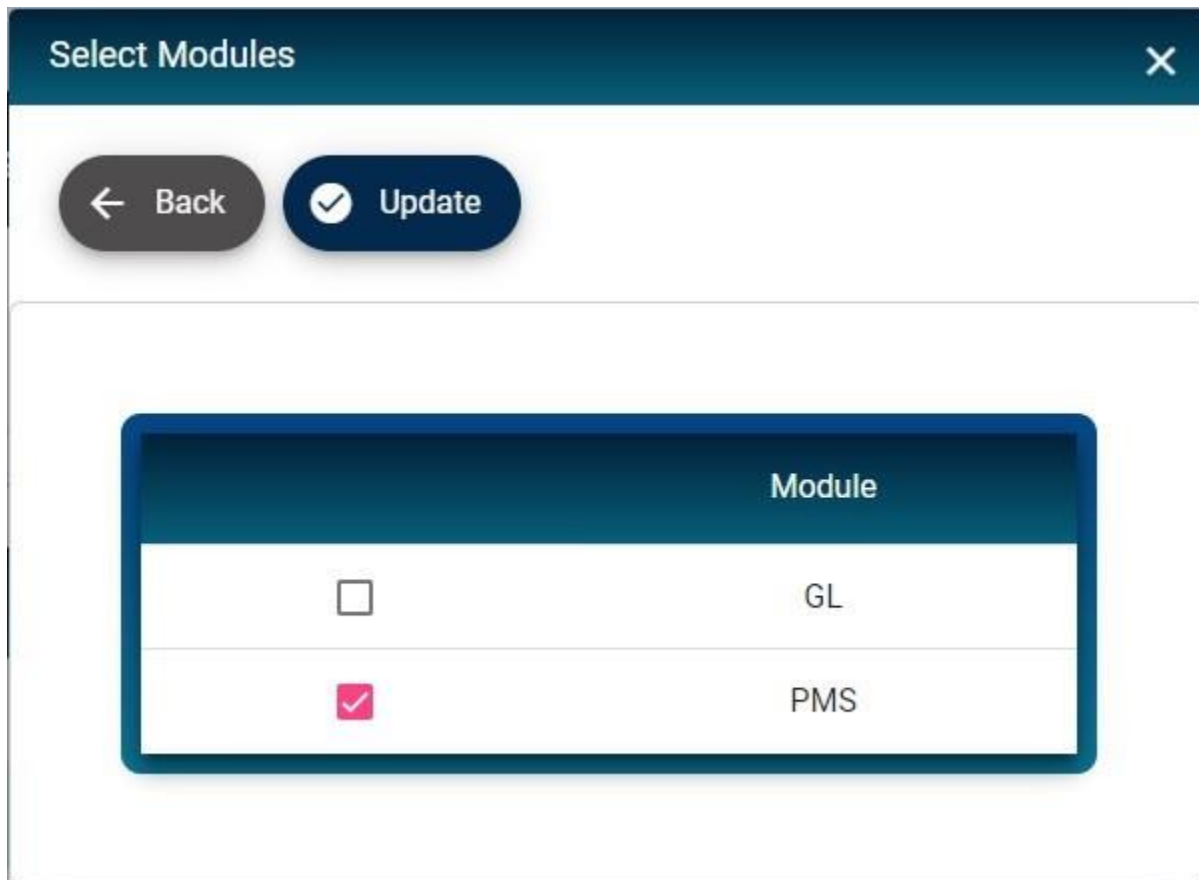
- After adding the client, you can view the updated list of clients on the Clients page. The newly added client's information will be visible, including their name, contact details.



- We can update clients information add credentials for client side login.

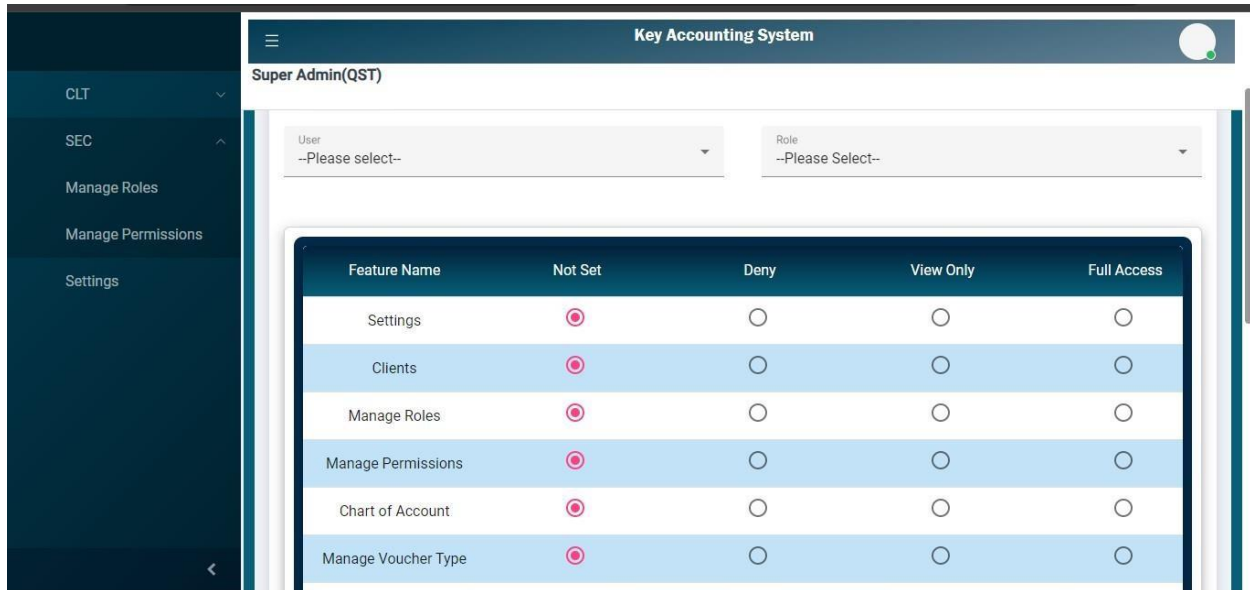


- We can also assign the role to clients as module wise which module is visible to client.

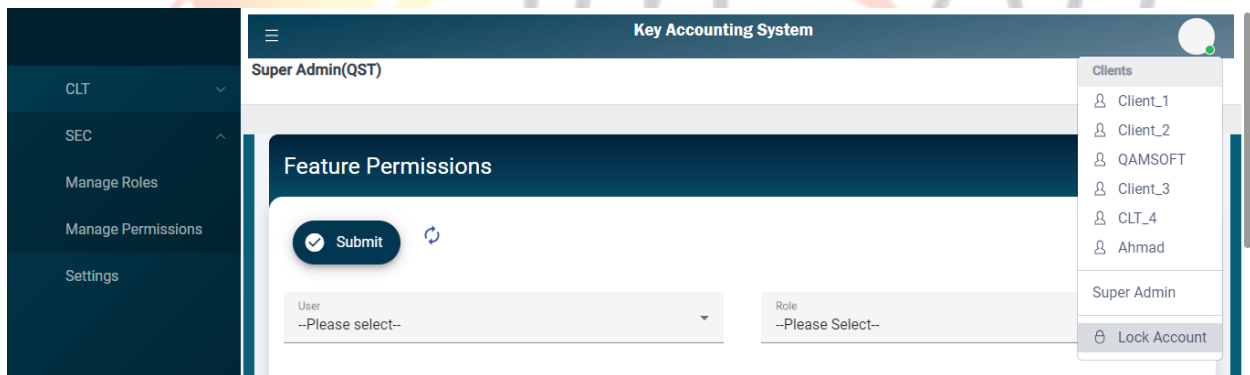


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- It's a page to assign permissions of application pages to Users and Roles

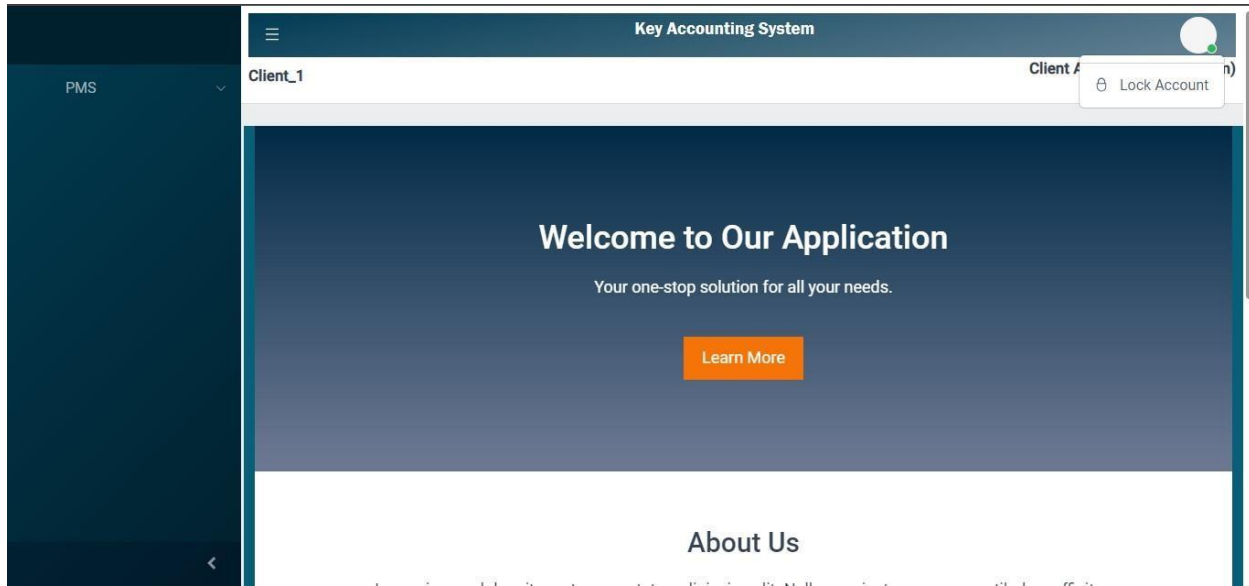


- The super admin, being the highest authority within the Patient Management System, possesses comprehensive access to all client accounts registered in the system. This privileged access allows the super admin to view, modify, and manage client profiles, ensuring seamless administration and personalized care.



Switching from Super User to Client Account:

- As the super user, it's important to log out to maintain the security and privacy of the system. Click on the "Logout" button located at the top-right corner of the screen.

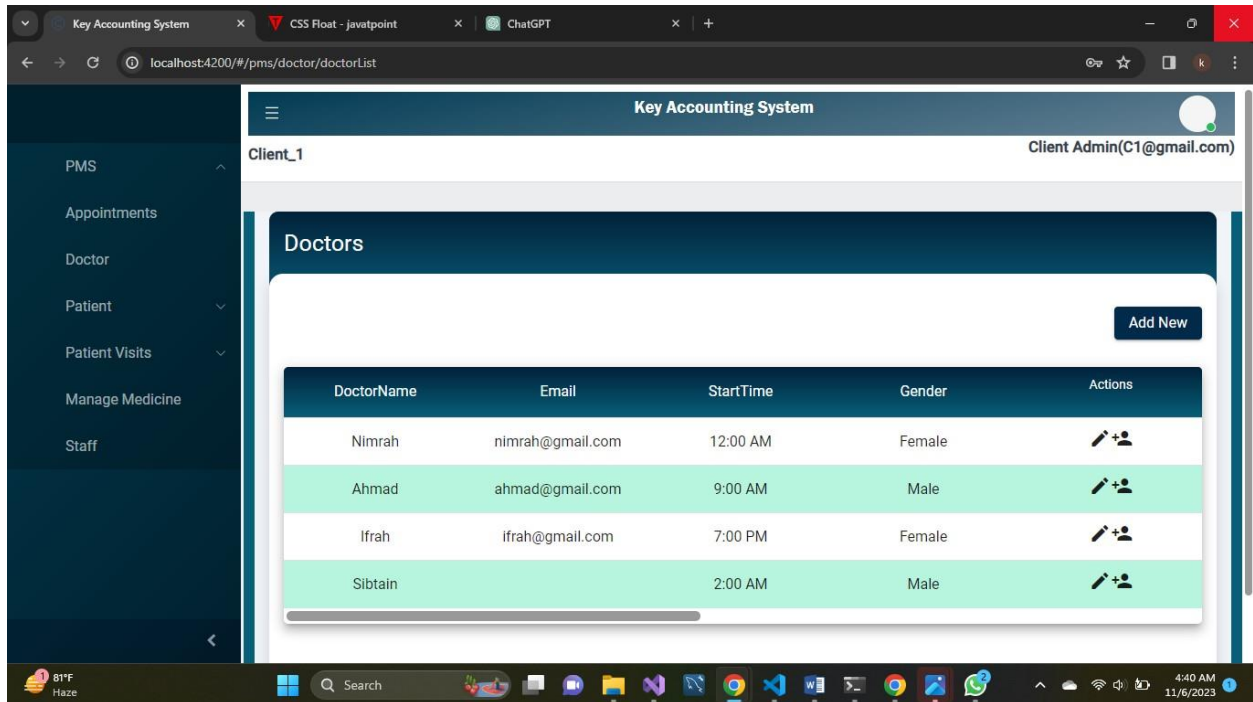


- After successfully logging in as a client, your access is restricted to the Patient Management System (PMS) module. Navigate to the main menu and select "PMS" to enter the module.

Adding a New Doctor in the Patient Management System (PMS):

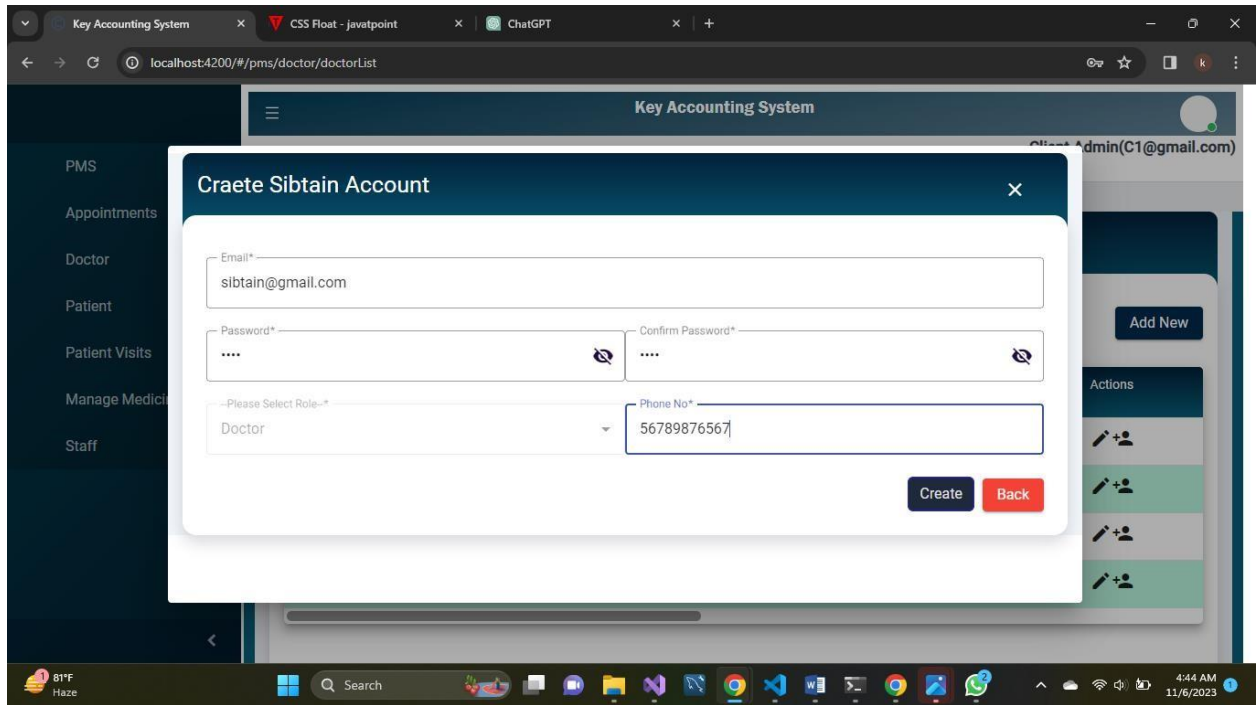
Doctor Name*	Date of Birth*	Start Time*
Sibtain	2/22/2002	1:00 AM
Gender: <input checked="" type="radio"/> Male <input type="radio"/> Female <input type="radio"/> Other	Contact No*	
	234567654345	
Select Country	Select City	--Please Select Area--
Pakistan	Lahore	Iqbal Town
HouseNo	Address	
Specialization		

- After adding the doctor, you can view the updated list of doctors on the Doctors page. The newly added doctor's information will be visible, including their name, contact details.

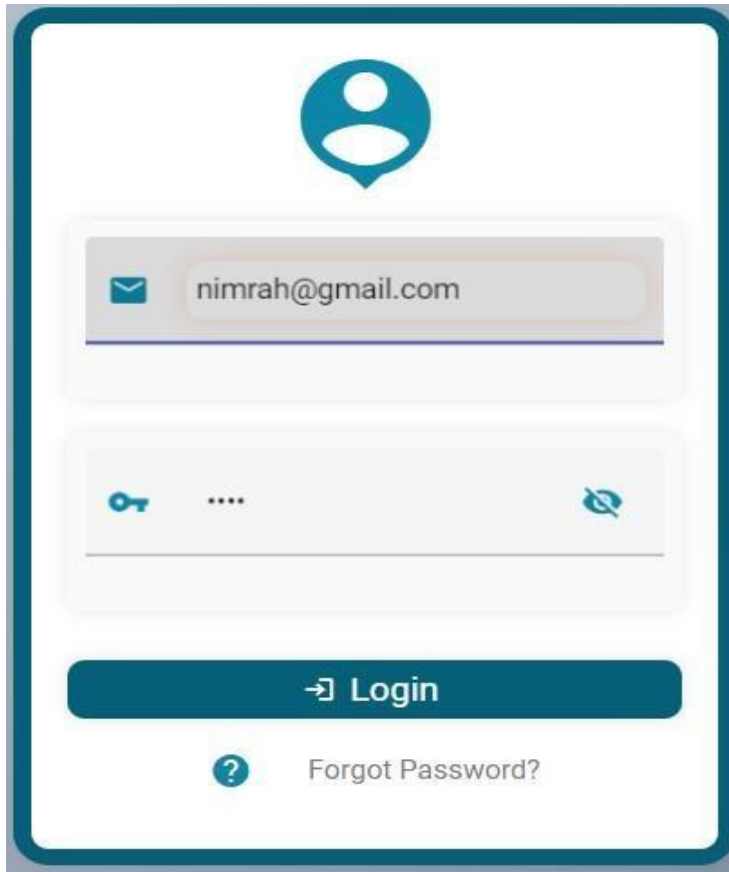


Initiating New Doctor Registration:

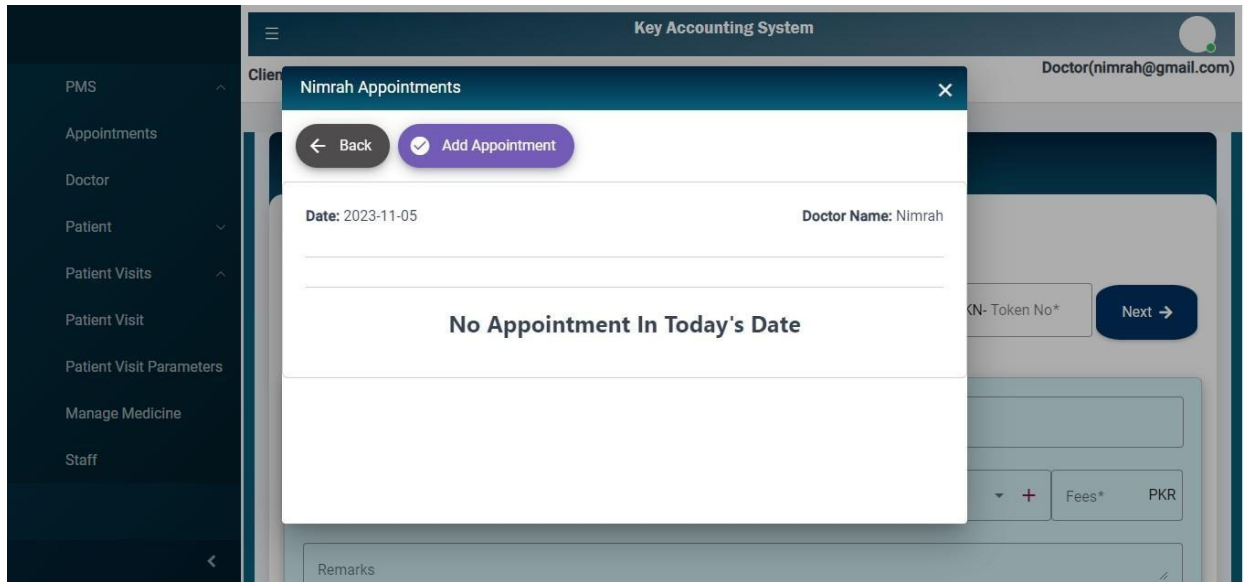
- Create New Account to initiate the registration process for the new doctor.



- After entering the correct username and password, click on the "Login" button. You will be authenticated, and upon successful login, you will be redirected to the doctor's dashboard within the Patient Management System.



- Access the "Appointments" section to view your scheduled patient consultations. You can review appointment details, access patient medical histories, and update records as necessary.



Create Appointment

Select Doctor*
Nimrah (ContactNo: 078786578689) + 231106 Token No

Date *
11/6/2023

Select Status*
Waiting

Select Patient*
Ali (DOB: 2001-03-21) (Gender: Male) (ContactNo: 0879872918) (City: Lahore) (Area: Iqbal Town) (House #: 9) +

Time *
12:00 AM

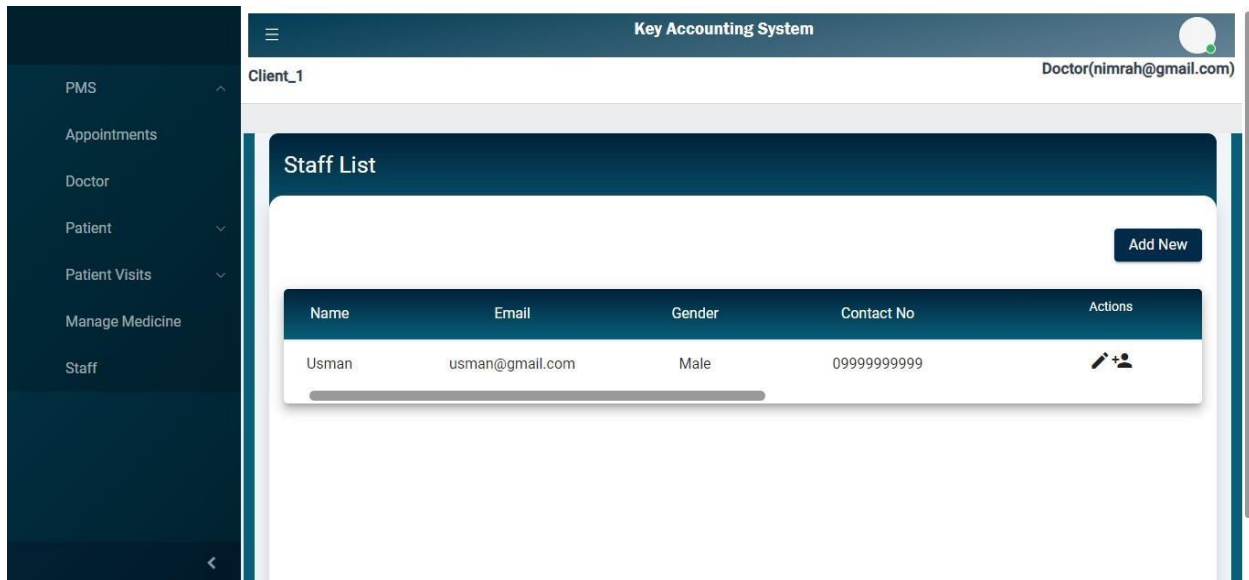
Age
22 Y, 7 M, 14 D

Gender
Male

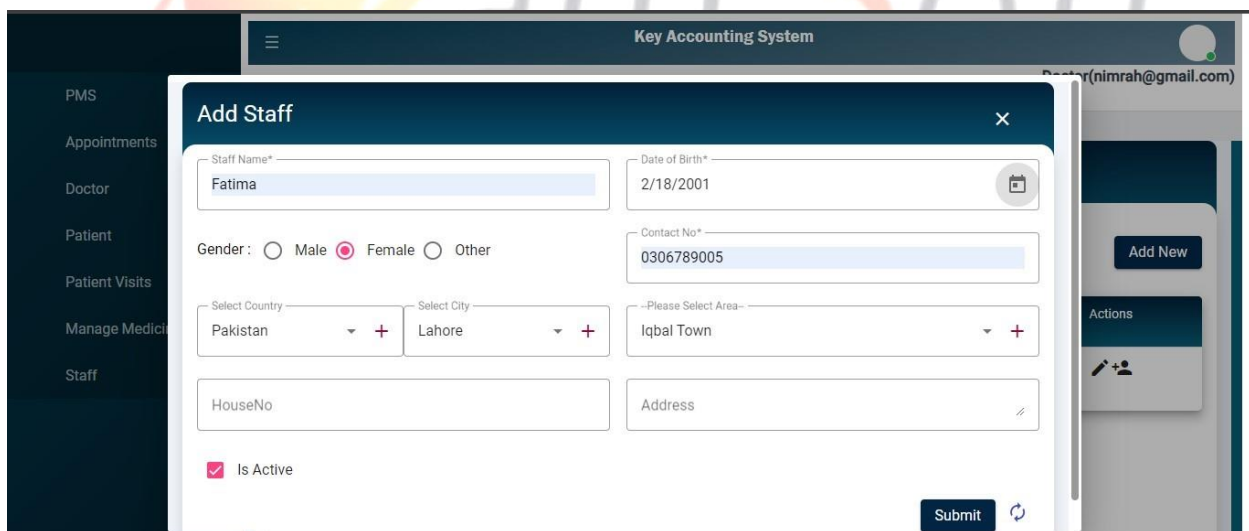
Submit

Staff Management in the Patient Management System (PMS):

- In addition to managing patient data, the Patient Management System (PMS) also facilitates the efficient management of healthcare staff members. This includes doctors, nurses, administrative staff.



- Add New button to initiate a new staff member.



- Create New Account to initiate the registration process for the new Staff member.

Key Accounting System

Doctor(nimrah@gmail.com)

Update Fatima Account

Email*
usman@gmail.com

Password*
.....

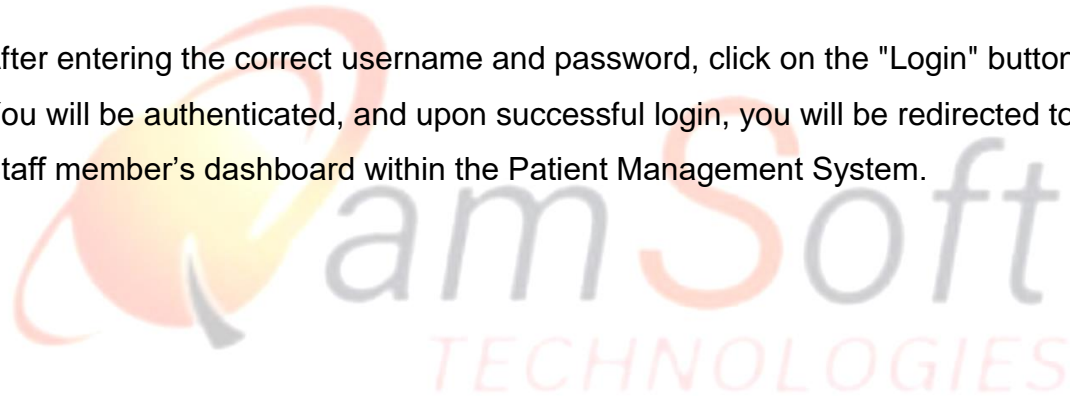
Confirm Password*
.....

Please Select Role*
Staff

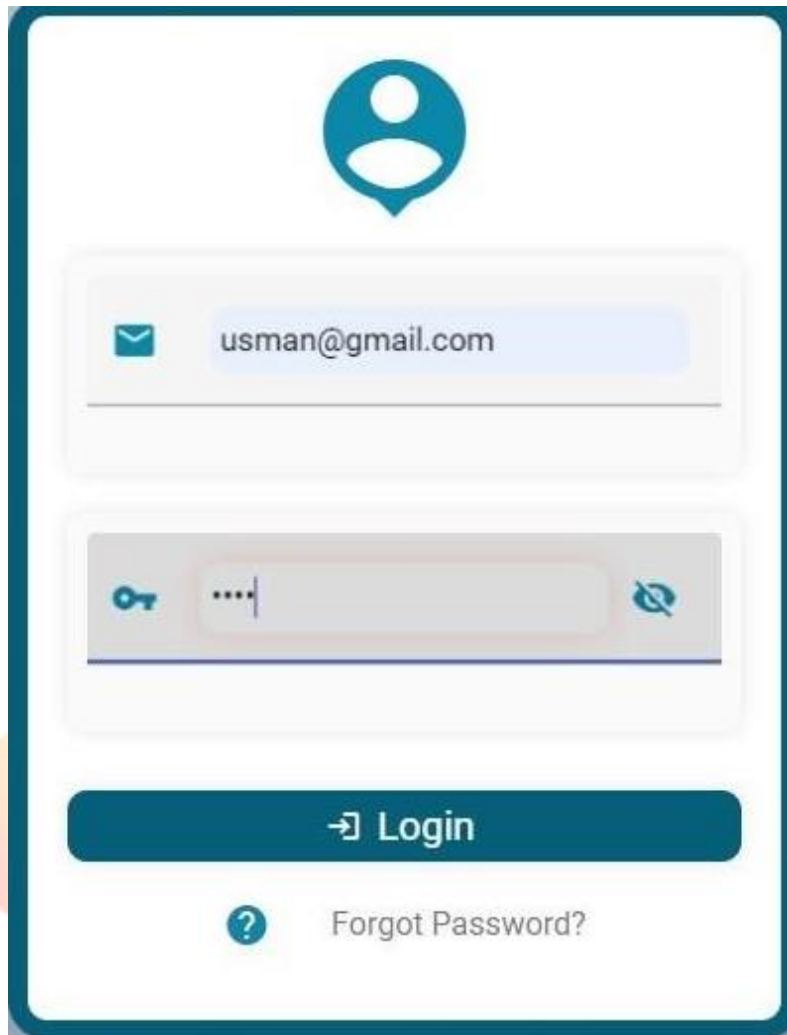
Phone No*
09999999999

Update Back

- After entering the correct username and password, click on the "Login" button. You will be authenticated, and upon successful login, you will be redirected to the Staff member's dashboard within the Patient Management System.



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- Staff member can create appointment select doctor and patient also select the date and time. Also check the status of appointments from the status dropdown.

Key Accounting System

Client_1

Staff(usman@gmail.com)

--Please Select--

Waiting ✓

Due

Canceled

Closed

Select Patient

--Please Select--

From Date

11/6/2023

To Date

11/6/2023

TokenNo	Status	Date	Time	Doctor	PatientName	Age		Action
2311062	Waiting	06/11/2023	12:15 AM	Nimrah	Ali	23	M	
2311063	Waiting	06/11/2023	12:30 AM	Nimrah	Sara	23	F	

Key Accounting System

Client_1

Staff(usman@gmail.com)

Appointments

Create

Select Doctor*

--Please Select--

Select Patient

--Please Select--

Select Status*

Waiting

From Date

11/6/2023

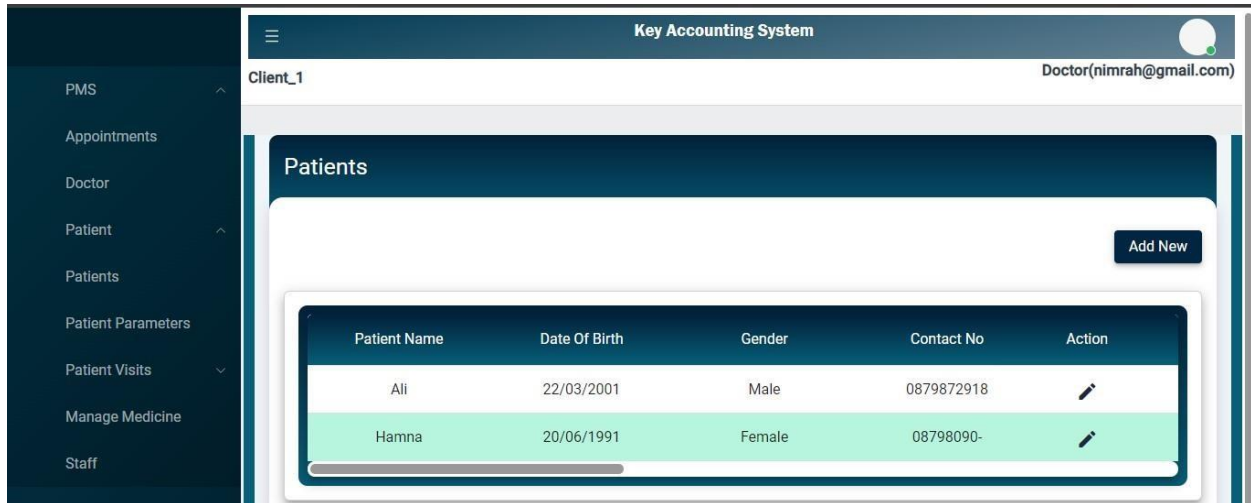
To Date

11/6/2023

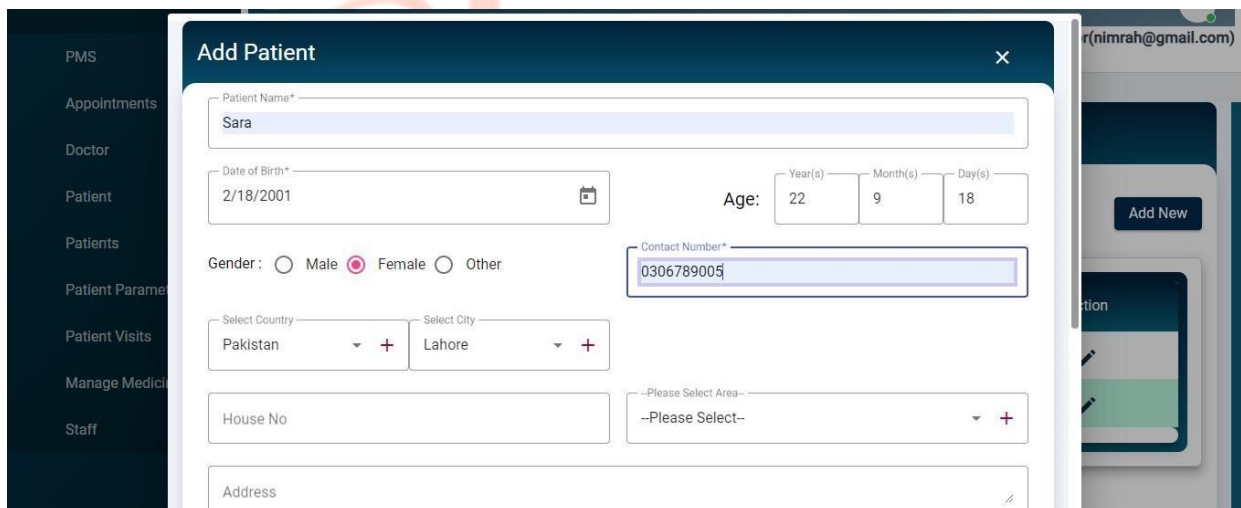
TokenNo	Status	Date	Time	Doctor	PatientName	Age		Action
2311062	Waiting	06/11/2023	12:15 AM	Nimrah	Ali	23	M	
2311063	Waiting	06/11/2023	12:30 AM	Nimrah	Sara	23	F	

Adding a New Patient in the Patient Management System (PMS):

- Adding a new patient to the Patient Management System is a straightforward process, ensuring accurate and comprehensive recording of patient information.



- Click on the "Add New" button to initiate the registration process for the new patient.



Key Accounting System

Client_1

Doctor(nimrah@gmail.com)

Patients

Add New

Patient Name	Date Of Birth	Gender	Contact No	Action
Ali	22/03/2001	Male	0879872918	
Hamna	20/06/1991	Female	08798090-	
Sara	18/02/2001	Female	0306789005	

Managing Patient Visits in the Patient Management System (PMS):

- In the Patient Management System, efficient management of patient visits is paramount to providing quality healthcare.
- When the appointment is created then manage the patient visit.

Manage Patient Visit

← Back Submit ↻

Select Doctor*
Nimrah (ContactNo: 078786578689) (City: Lah... +

← Previous TKN- Token No* Next →

Date 11/6/2023 Time 10:14 AM

Select Patient*
--Please Select-- Fees* PKR

Remarks

Selecting Patients with Appointments for Today in the Patient Management System (PMS):

The screenshot shows the 'Key Accounting System' interface. On the left is a dark sidebar with menu items: PMS, Appointments, Doctor, Patient, Patient Visits, Patient Visit, Patient Visit Parameters, Manage Medicine, and Staff. The main area is titled 'Client_1' and 'Doctor(nimrah@gmail.com)'. A search bar 'Search Patient...' is active, showing a dropdown list of patient names: 'Ali (DOB: 2001-03-22) (Gender: Male) (ContactNo: 0879872918) (City: Lahore) (Area: Iqbal Town) (House #: 9)', 'Hamna (DOB: 1991-06-20) (Gender: Female) (ContactNo: 08798090-) (City: Lahore) (Area: Iqbal Town)', and 'Sara (DOB: 2001-02-18) (Gender: Female) (ContactNo: 0306789005) (City: Lahore)'. A 'Next' button is visible to the right of the search results. Below the search bar, there are fields for 'Fees*' (PKR) and 'Remarks'.

- Patient status includes information about their health. Fill all these fields and also add some precautions according to the disease.

The screenshot shows the 'Key Accounting System' interface with the 'Patient Stats' section selected. The sidebar is the same as in the previous screenshot. The main area shows a form with the following fields: 'Temperature*' (100), 'Weight*' (50), 'BP' (100/60), 'ECG' (normal), 'Smoking Status*' (radio buttons for Yes and No, with 'No' selected), 'Hepatitis' (radio buttons for Yes and No, with 'No' selected), 'Testing Field' (empty text box), and 'Blood Group' (dropdown menu showing 'A+').

Key Accounting System

Client_1

Doctor(nimrah@gmail.com)

Is Suger Patient

ECG*
normal

میٹھی چیزوں سے پرہیز کریں

یقاعدهگی سے ورزش کریں

پیل اور سنڑیاں کھالیں

Select Medication
میٹھی چیزوں سے پرہیز کریں

Submit Go Back

Manage Medicine detail for patient in PMS:

Key Accounting System

Client_1

Doctor(nimrah@gmail.com)

Manage Medicine Detail

Select Medicine
Glocophage (Manufacturer: Venus) (Formula: Trizex) (Category: Painless)

Morning Qty
1

Noon Qty

Evening Qty
1

Days*
10

Select Meal Relation
Before.....

Please Select Remark:
remarks

- The system generates reports and analytics based on patient statuses, allowing healthcare providers to assess trends, track outcomes, and identify areas for improvement.

Key Accounting System

Client_1

Staff(usman@gmail.com)

Patient Stats Medicine Details Reports Next Visit

Date: 11/6/2023 --Please Select Category--: RCB

[Browse Report](#)

Printable-Medical.jpg [Upload Report](#)

Date	Category	Actions
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- After upload Report we can view, edit, delete and download report from actions.

Key Accounting System

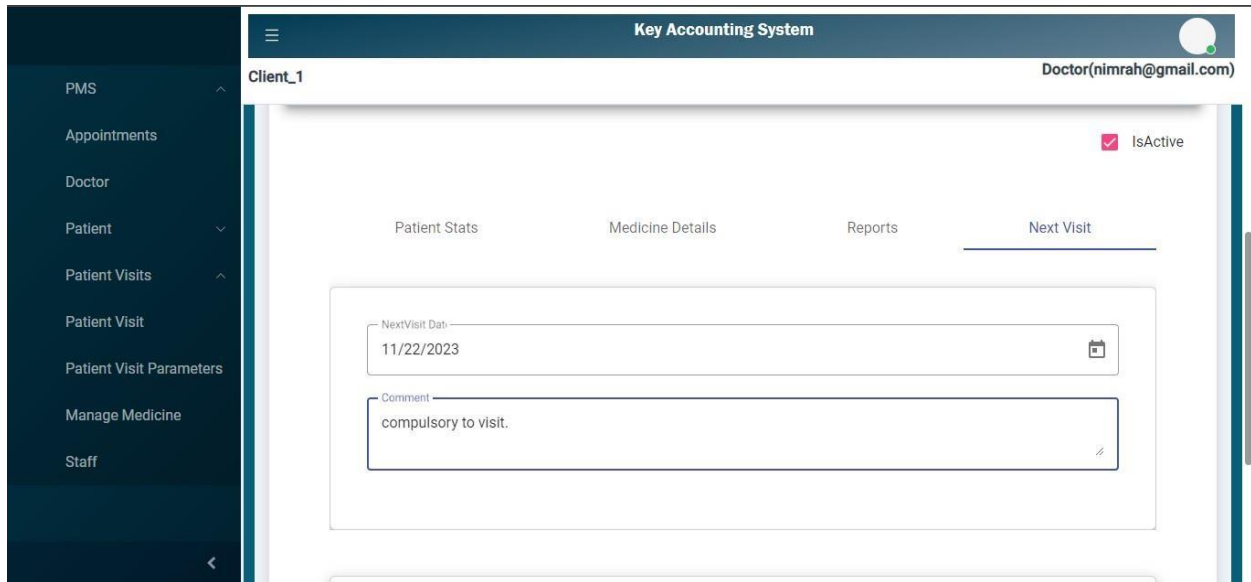
Client_1

Staff(usman@gmail.com)

Date: 11/6/2023 --Please Select Category--: --Please Select Category--

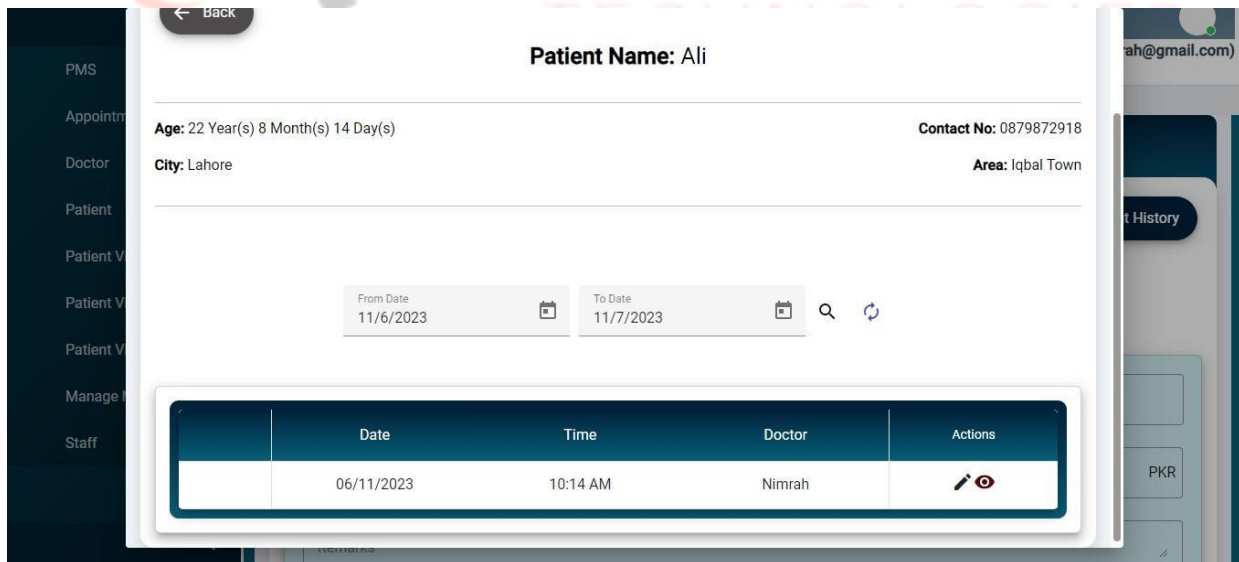
[Browse Report](#) [Upload Report](#)

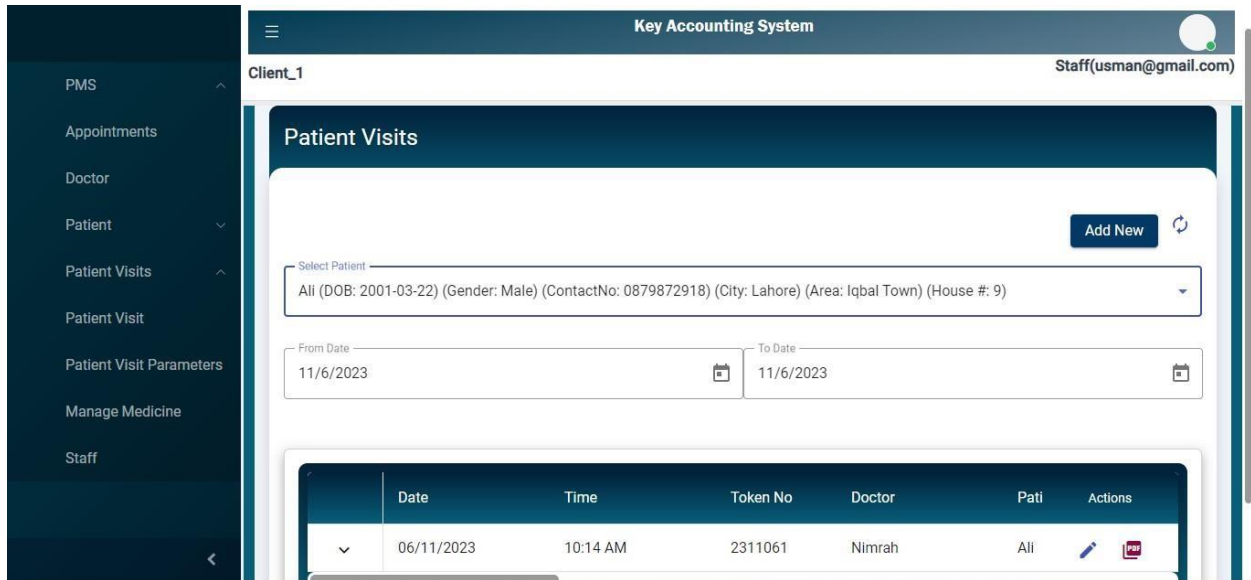
Date	Category	Actions
06/11/2023	RCB	Download Report



History of patient in PMS:

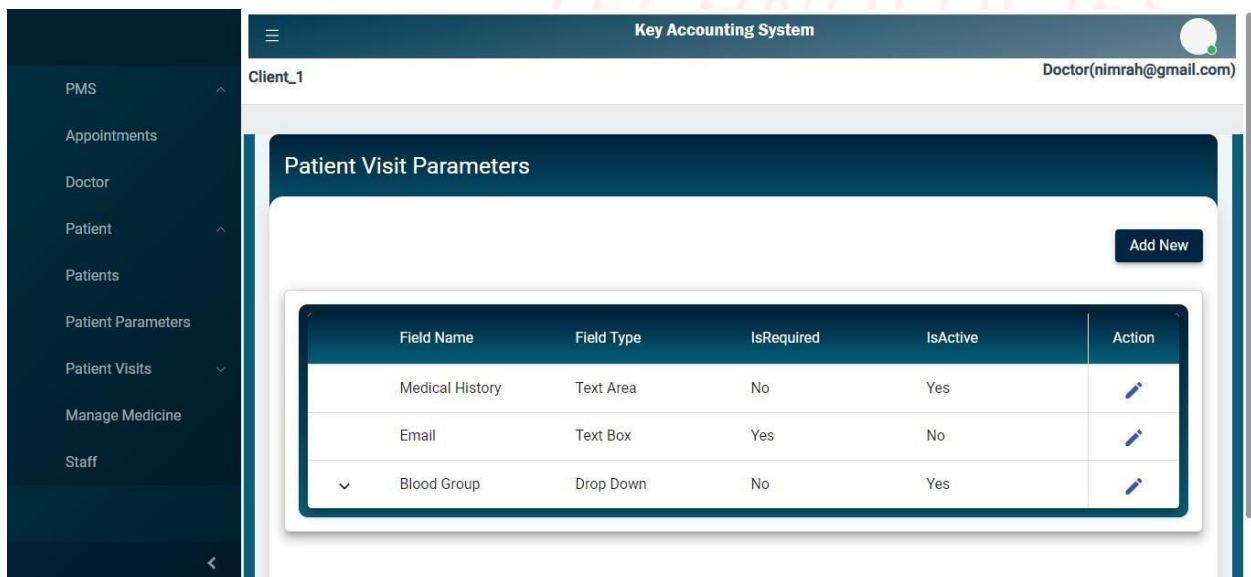
- Details about past hospitalizations, surgeries, procedures, and their respective dates are included in the patient's history. This information provides context for the patient's overall health status and previous medical interventions. We can filter by date and time.





Dynamic fields for the patient visit form:

- We can add dynamic fields for the patient visit form. As you can see in the patient status fields are added like Blood group as dropdown and Is sugar patient as checkbox.



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Managing Medicines in the Patient Management System (PMS):

- Efficient management of medicines within the Patient Management System is vital to ensuring patient safety, accurate prescriptions.
- Go to the Manage Medicine page and add medicine here.

Key Accounting System Doctor(nimrah@gmail.com)

Client_1

Manage Medicine

Name* Select Manufacturer* +

Formula* Select Category* +

Remarks

Save

Medicine List

Name	Manufacturer	Formula	Category	Action
Zorpent	Venus	Trizex	Painless	
Glocophage	Venus	Trizex	Painless	



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