1.Table_Tbl_UserProfile

Primary key: **id**

Foreign key: **userid** references table **Tbl_user**

No:	Field name	Datatype (Size)	Key Constraints	Description of the field
1	id	INT(10)	PRIMARY KEY	Auto-generated unique identifier for each user
2	User_id	INT(10)	FOREIGN KEY	Id of User
2	name	Charfield(32)	UNIQUE	A unique username for the user
3	email	Charfield(32)	NOT_NULL	Password of the user
4	fname	Charfield(32)	NOT_NULL	The user's first name
5	profilepic	imagefield	NOT_NULL	The user's profile picture
6	phonenumber	INT(10)	UNIQUE	The user's phone number
7	address	Charfield(32)	NOT_NULL	The user's address
8	age	Charfield(32)	NOT_NULL	The user's age
9	place	Charfield(32)	NOT_NULL	The user's place
10	state	Charfield(32)	NOT_NULL	The user's state
11	country	Charfield(32)	NOT_NULL	The user's country
12	blood_group	Charfield(32)	NOT_NULL	The user's blood group
13	reset_password	Charfield(32)	NOT_NULL	Field to reset password
14	gender	Charfield(32)	NOT_NULL	The user's gender
15	medical_history	Charfield(32)	NOT_NULL	The user's medical history

2.Table_tbl_Docprofile

Primary key: id
Foreign key: user_id references table tbl_User

No:	Field name	Datatype (Size)	Key Constraints	Description of the field
1	id	INT(10)	PRIMARY KEY	Auto-generated unique identifier for each user
2	User_id	Charfield(32)	FOREIGN KEY	Reference to User
3	name	Charfield(32)	NOT_NULL	The doctors name
4	email	Charfield(32)	UNIQUE	The doctors email address
5	Profile-pic	ImageField	NOT_NULL	The doctors profile pic
6	Phone_number	INT(10)	NOT_NULL	The doctors phone number
7	gender	CharField (10)	NOT_NULL	Doctors gender
8	dob	DateField	NOT_NULL	Doctors date of birth
9	Add1	TextField	NOT_NULL	Doctors address
10	Add2	TextField	NOT_NULL	Doctors address
11	City	CharField (10)	NOT_NULL	Doctors city
12	State	CharField (10)	NOT_NULL	Doctors state
13	Country	CharField (10)	NOT_NULL	Doctors country
14	Postalcode	INT(10)	NOT_NULL	Doctors postalcode
15	Services	CharField (10)	NOT_NULL	Doctors services
16	Specialist	CharField (10)	NOT_NULL	Doctors specialization
17	Reset password	CharField (10)	NOT_NULL	A field for reset password

3.Table_tbl_certification

Primary key: id

Foreign key: user_id references table tbl_Docprofile

No:	Field name	Datatype (Size)	Key Constraints	Description of the field
1	id	INT(10)	PRIMARY KEY	Reference to User
2	User_id	INT(10)	FOREIGN KEY	Reference to User
4	certification_image	ImageField	NOT_NULL	Credential verification through image.
5	Doctor_name	Charfield(32)	NOT_NULL	The doctors name
6	specialization	Emailfield	UNIQUE	The doctors specialization
7	expiry_date_to	DateField	NOT_NULL	Expiration date or deadline.
8	is_approved	CharField (10)	NOT_NULL	Approval status indicator.

4.Table_tbl_specialization

Primary key: specialization_id

No:	Field name	Datatype (Size)	Key Constraints	Description of the field
1	id	INT(10)	PRIMARY KEY	Identification of specific expertise
2	Specialization_name	CharField (32)	NOT_NULL	Name of specific expertise or focus.

5.Table_tbl_appointment

Primary key: id

No:	Field name	Datatype (Size)	Key Constraints	Description of the field
1	id	INT(10)	PRIMARY KEY	
2	Full_name	CharField (32)	NOT_NULL	Auto-generated unique identifier for each user

3	age	INT(10)	NOT_NULL	Patients age
4	gender	CharField (32)	NOT_NULL	Patients gender
5	Phone	INT(10)	NOT_NULL	Patients phone
6	email	CharField (32)	NOT_NULL	Patients email
7	userid	INT(10)	FORIEIGN KEY	Id of user
8	doctorid	INT(10)	FORIEIGN KEY	Doctors name
9	symptoms	CharField (32)	NOT_NULL	Patients' symptoms
10	date	DateField	NOT_NULL	Date of appointment
11	time	INT(10)	NOT_NULL	Time of appointment

6.Table_tbl_payment

Primary key : ID

Foreign key: user_id references table tbl_UserProfile

No:	Field name	Datatype (Size)	Key Constraints	Description of the field
	id	INT (10)	PRIMARY KEY	
1	User_id	INT (10)	FOREIGN KEY	Reference to User
2	Payment_amount	INT(10)	NOT_NULL	Payment amount
3	Payment_status	CharField (32)	NOT_NULL	Payment status
4	Payment_DATE	DateField	NOT_NULL	Payment date

7.Table_tbl_patient_info

Primary key :ID

Foreign key: user_id references table tbl_UserProfile

No:	Field name	Datatype (Size)	Key Constraints	Description of the field
1	id	INT (10)	PRIMARY KEY	
1	User_id	INT (10)	FOREIGN KEY	Reference to User
2	Diagnosis date	INT (10)	NOT_NULL	Date of official diagnosis.

3	Cancer stage	CharField (32)	NOT_NULL	Cancer severity classification.
4	Biopsy results	TextField	NOT_NULL	Tissue examination findings.
5	Oncologist name	CharField (32)	NOT_NULL	Cancer specialist's name.
6	Allergy name	CharField (32)	NOT_NULL	Specific allergen identification.
7	Allergy severity	CharField (32)	NOT_NULL	Allergic reaction intensity.
8	Dosage	CharField (32)	NOT_NULL	Prescribed medication amount.
9	Frequency	CharField (32)	NOT_NULL	Treatment administration schedule.
10	Start date	DateField	NOT_NULL	Treatment initiation date.

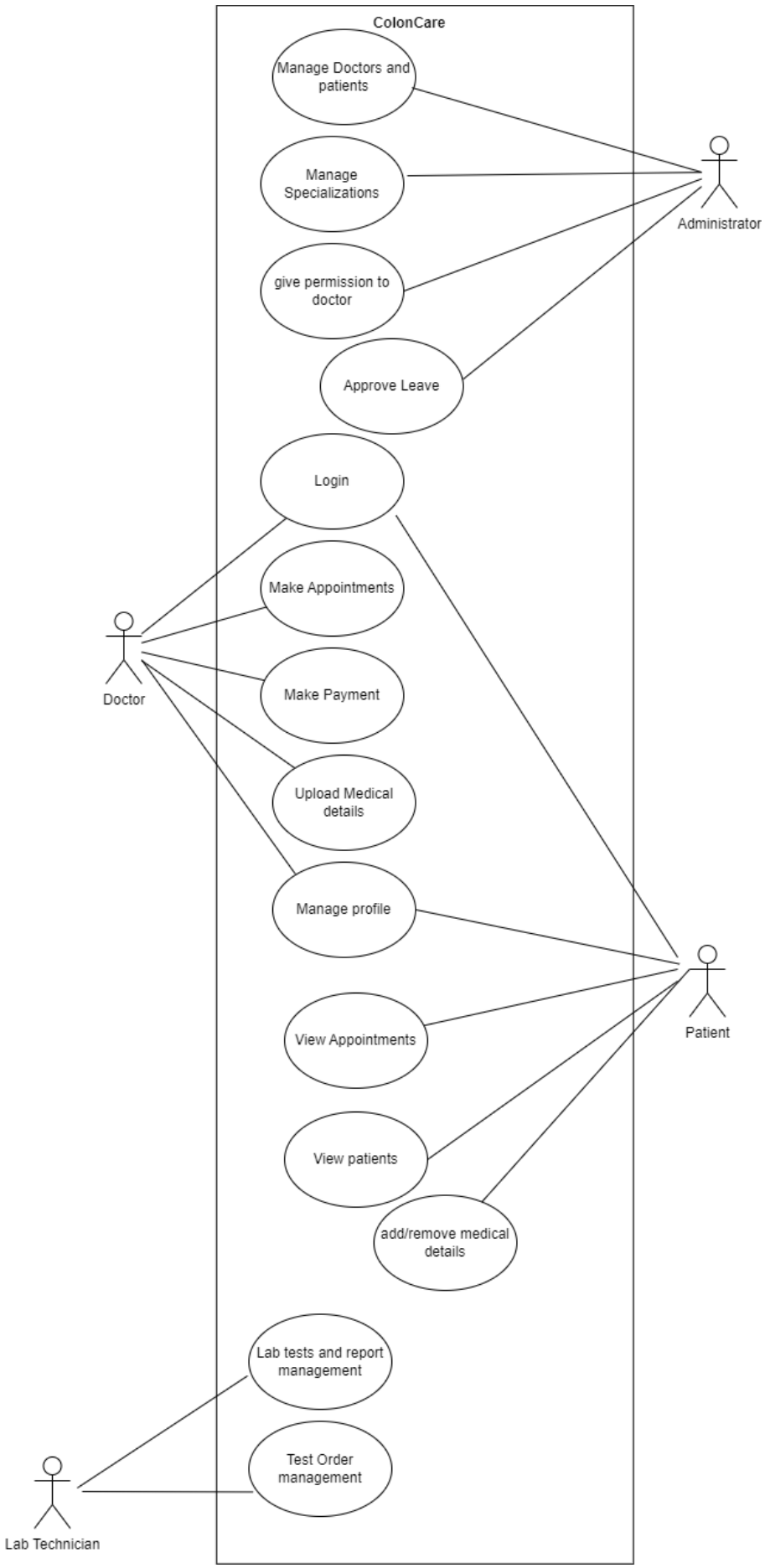
8. **Table_tbl_leave_application**

No:	Field name	Datatype (Size)	Key Constraints	Description of the field
1	Doctor	CharField (32)	PRIMARY KEY	
1	Leave Type	CharField (32)	FOREIGN KEY	Type Of Leave
2	From_date	DateField	NOT_NULL	Starting date of leave
3	To_date	DateField	NOT_NULL	Ending date
4	Reason	TextField	NOT_NULL	Reason for levae

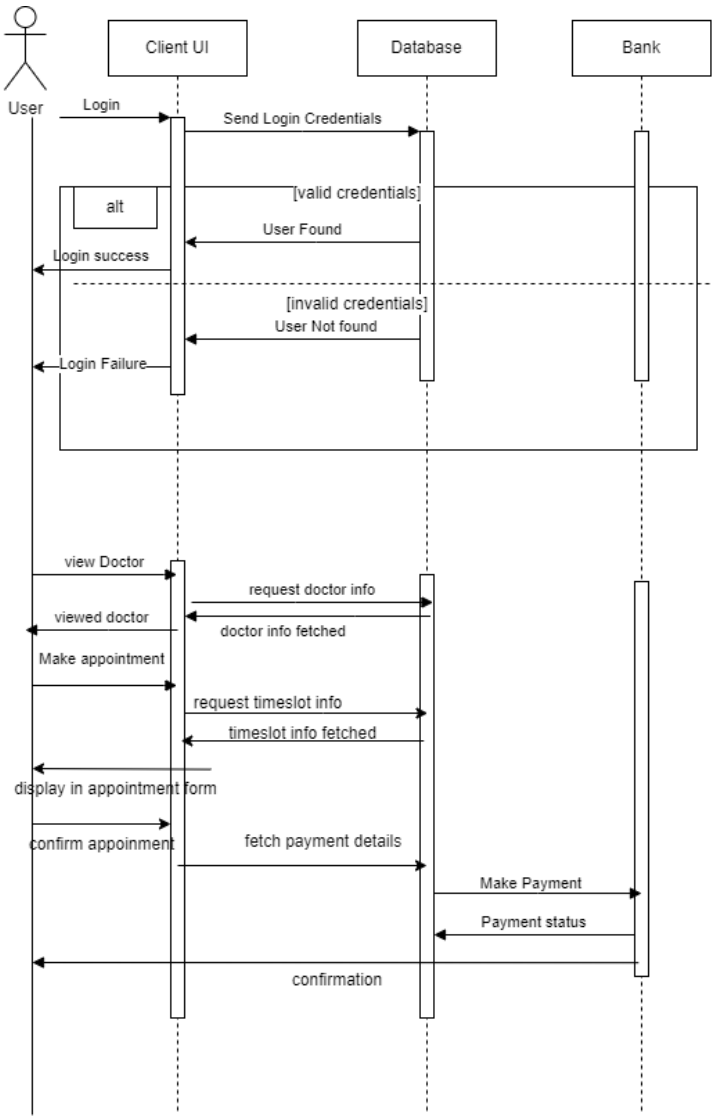
9. **Table_tbl_Blogs**

No:	Field name	Datatype (Size)	Key Constraints	Description of the field
1	Title	TextField	PRIMARY KEY	Title of blog
1	Content	TextField	FOREIGN KEY	Content of blog
2	Blog Image	ImageField	NOT_NULL	Blog Image
3	Blog Date	DateField	NOT_NULL	Blog Date

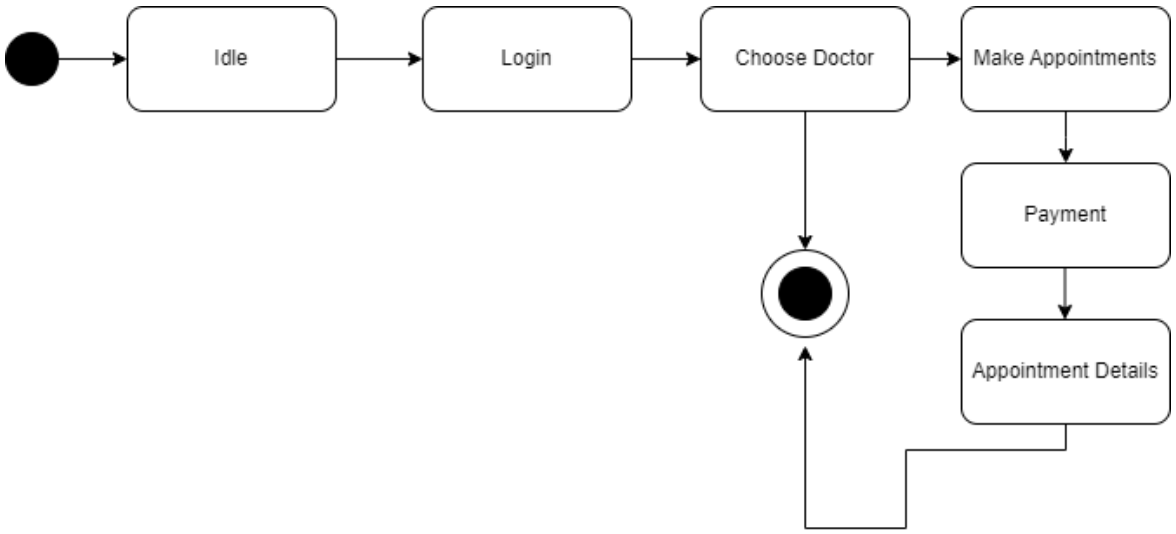
USE CASE DIAGRAM


ColonCare
Manage Doctors and patients
Manage Specializations
give permission to doctor
Approve Leave
Administrator
Login
Make Appointments
Make Payment
Upload Medical details
Manage profile
Doctor
View Appointments
View patients
add/remove medical details
Patient
Lab tests and report management
Test Order management
Lab Technician

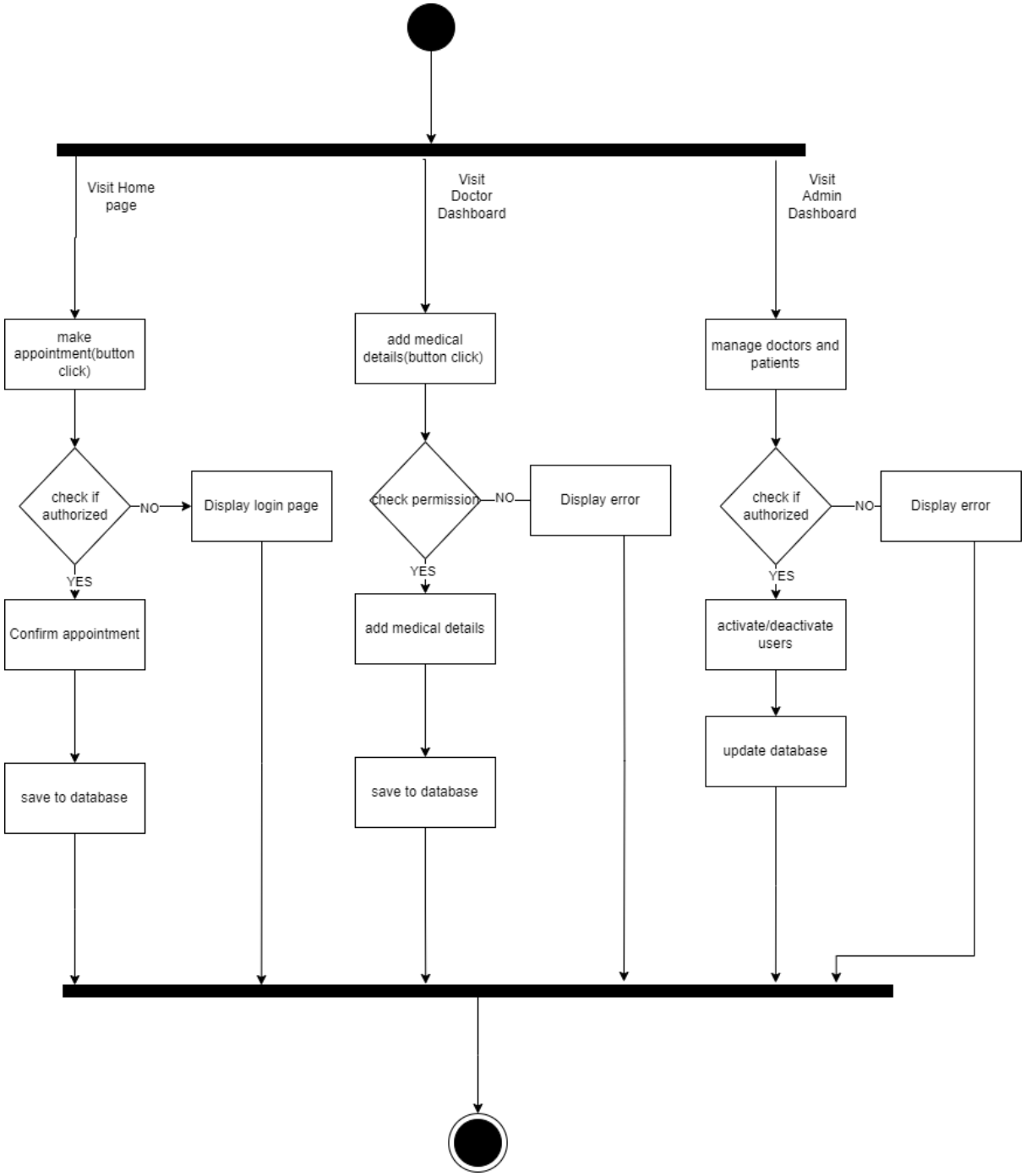
SEQUENCE DIAGRAM



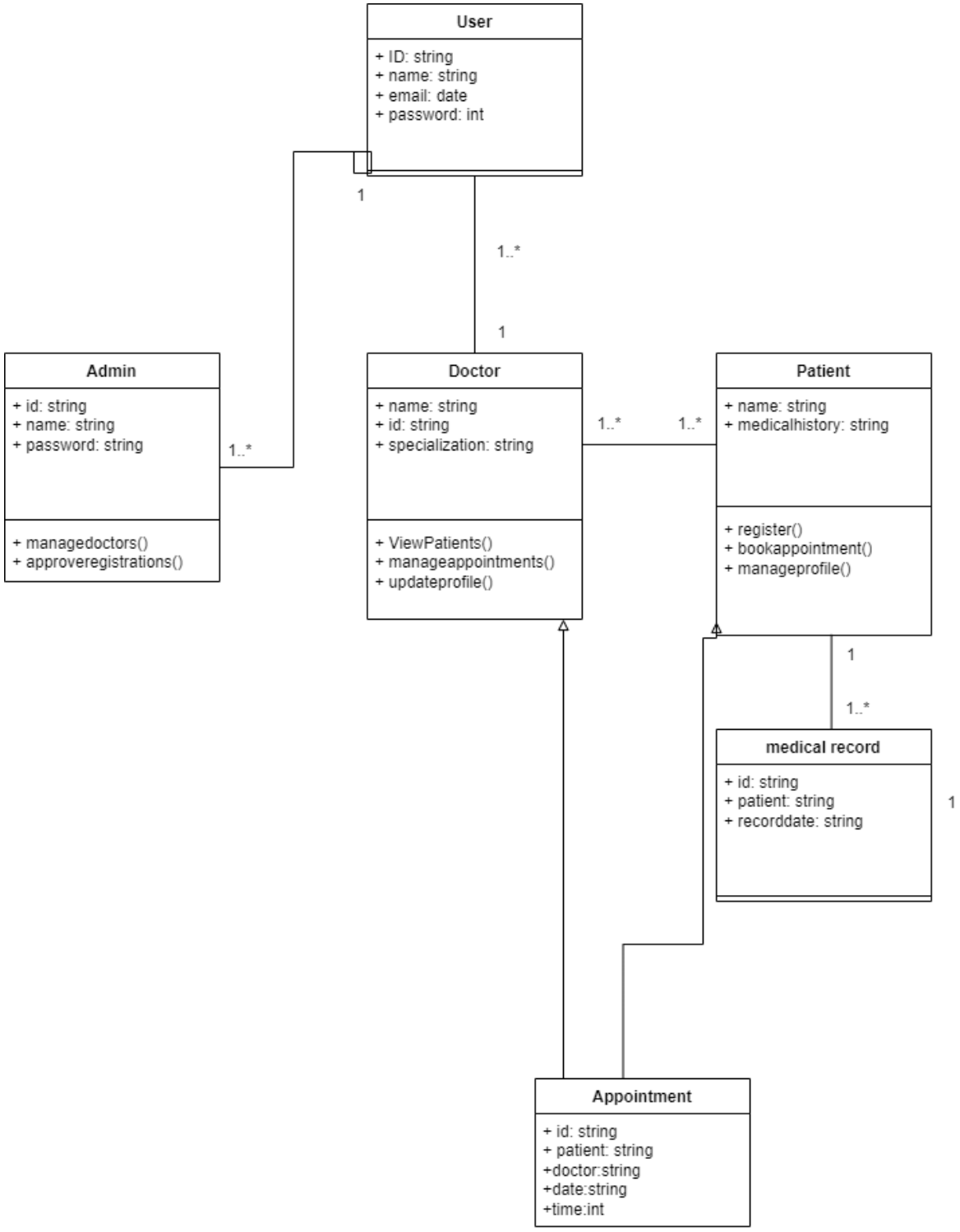
State Chart Diagram



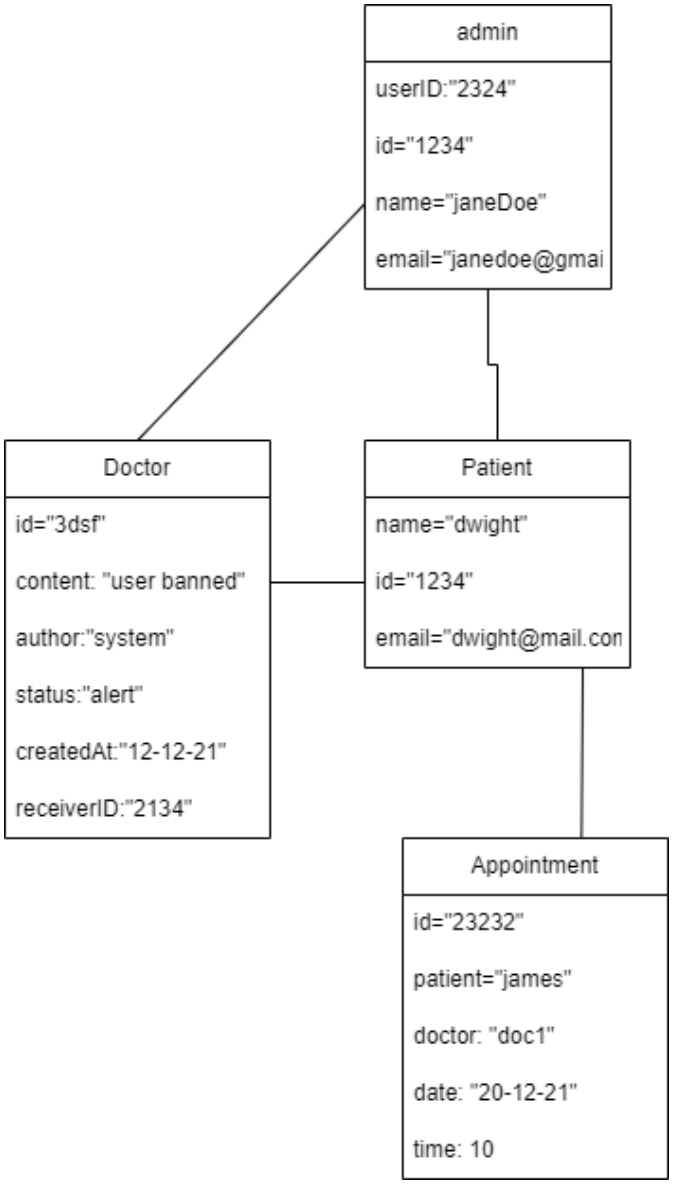
Activity Diagram



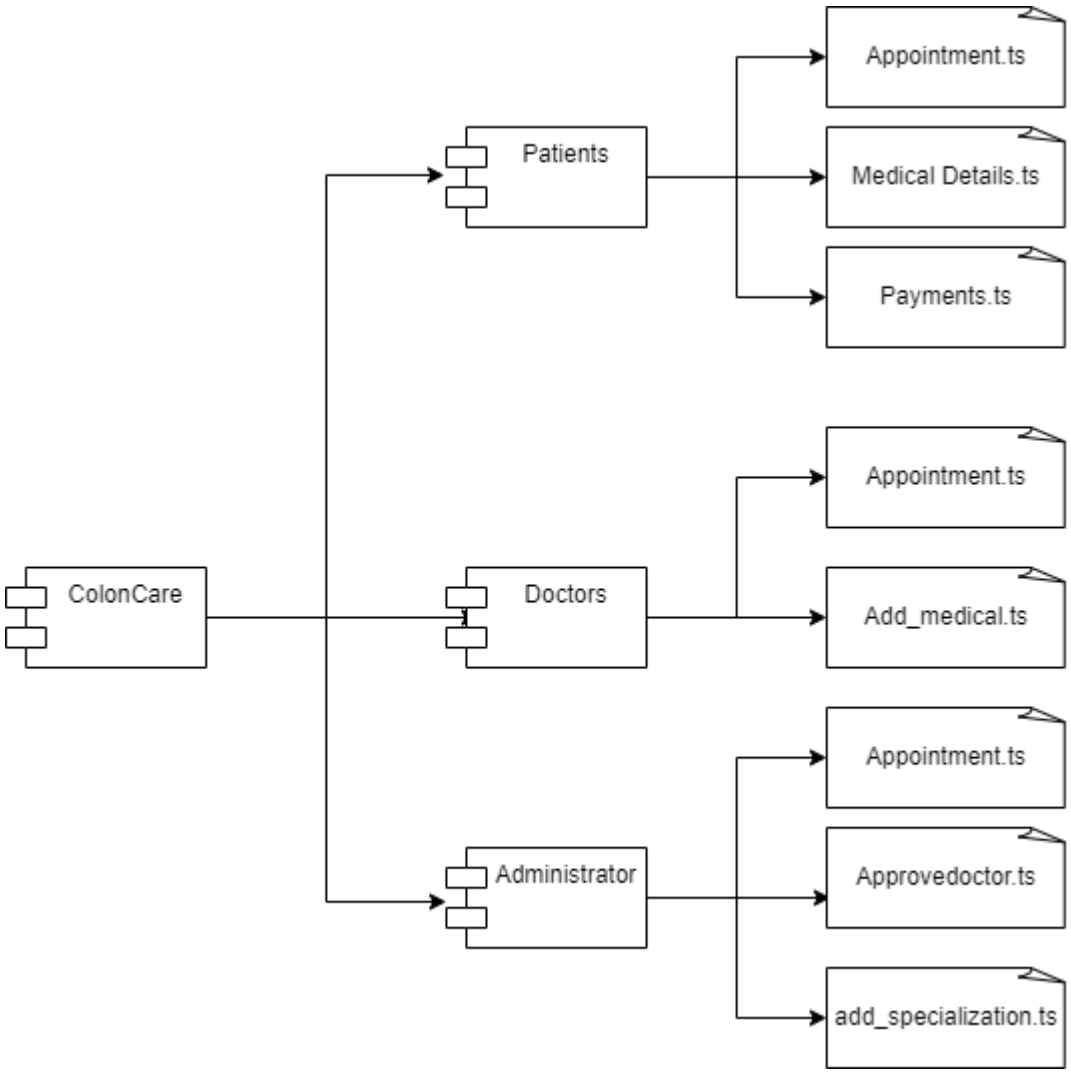
Class Diagram



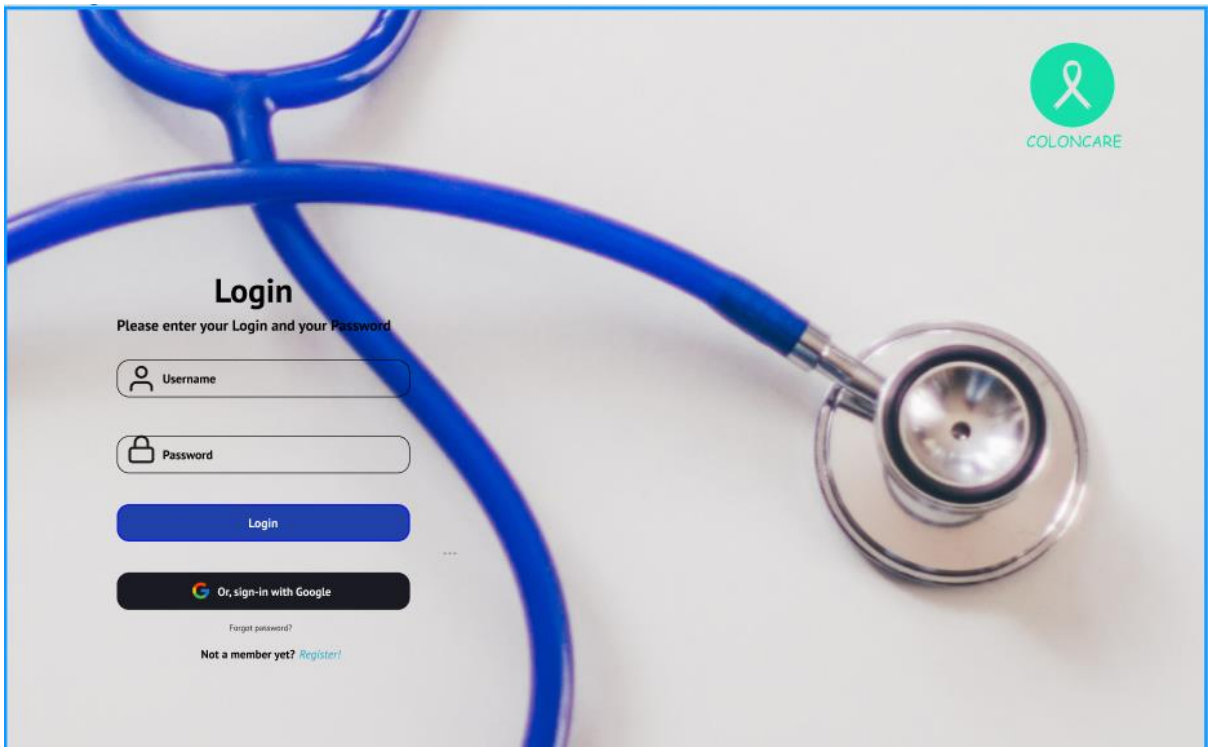
Object Diagram

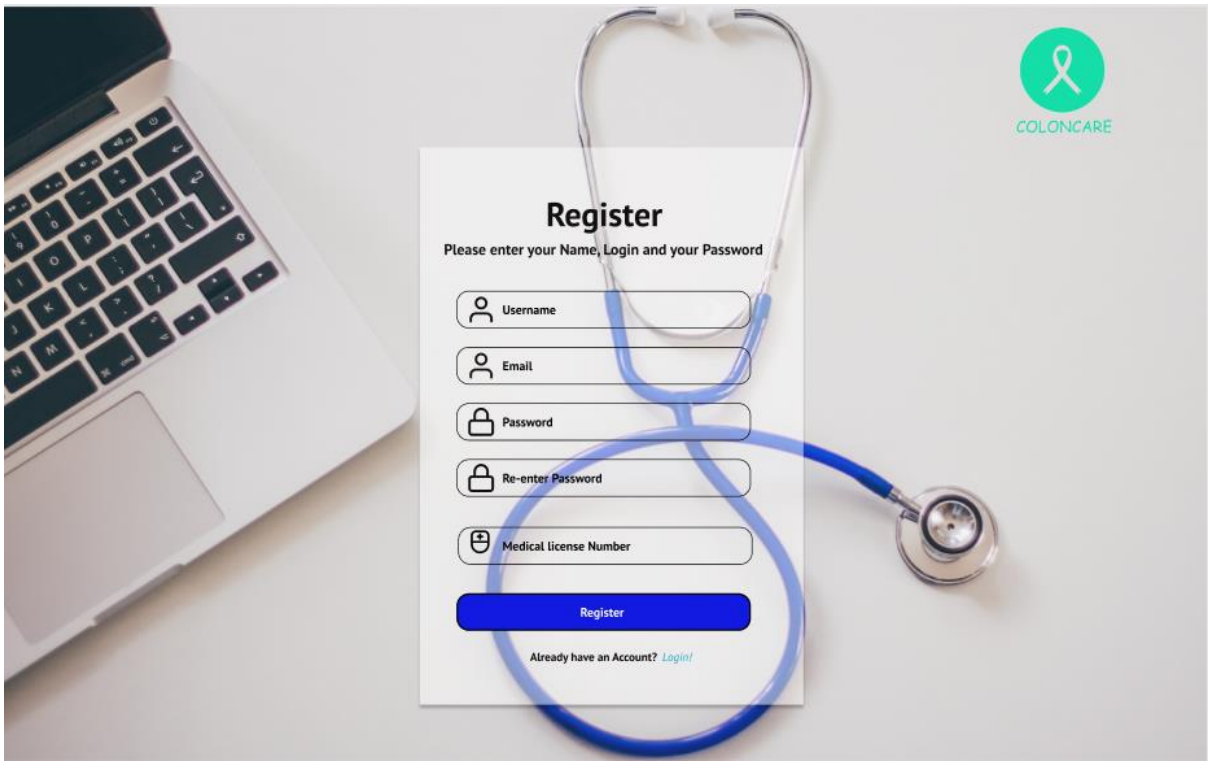


Component Diagram


ColonCare
Patients
Doctors
Administrator
Appointment.ts
Medical Details.ts
Payments.ts
Appointment.ts
Add_medical.ts
Appointment.ts
Approvedoctor.ts
add_specialization.ts

USER INTERFACE DESIGN USING FIGMA





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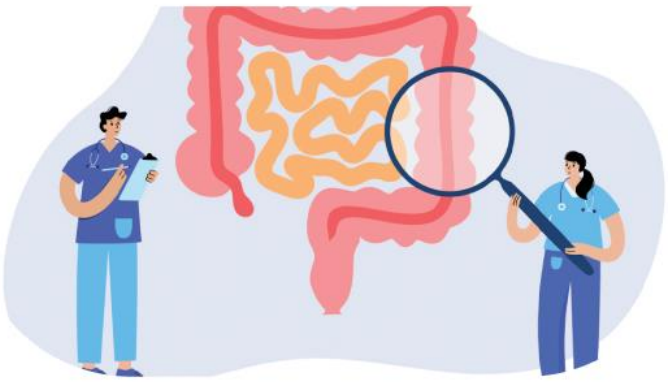

COLONCARE

ADMIN LOGIN

USERNAME

PASSWORRD