

FLASK PROJECT

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OVERVIEW

01

Flowchart

02

ER diagram

03

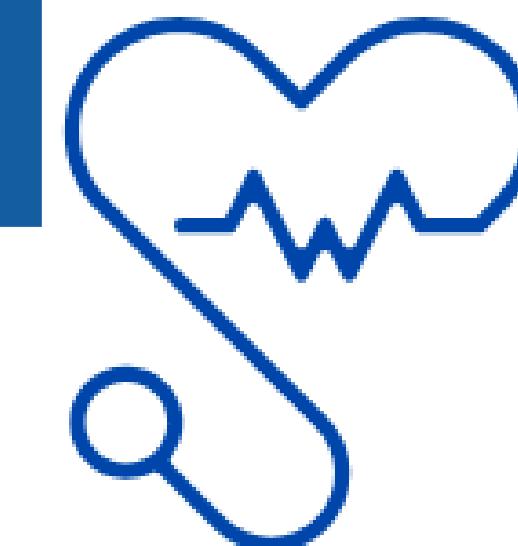
Use case

04

Runing program

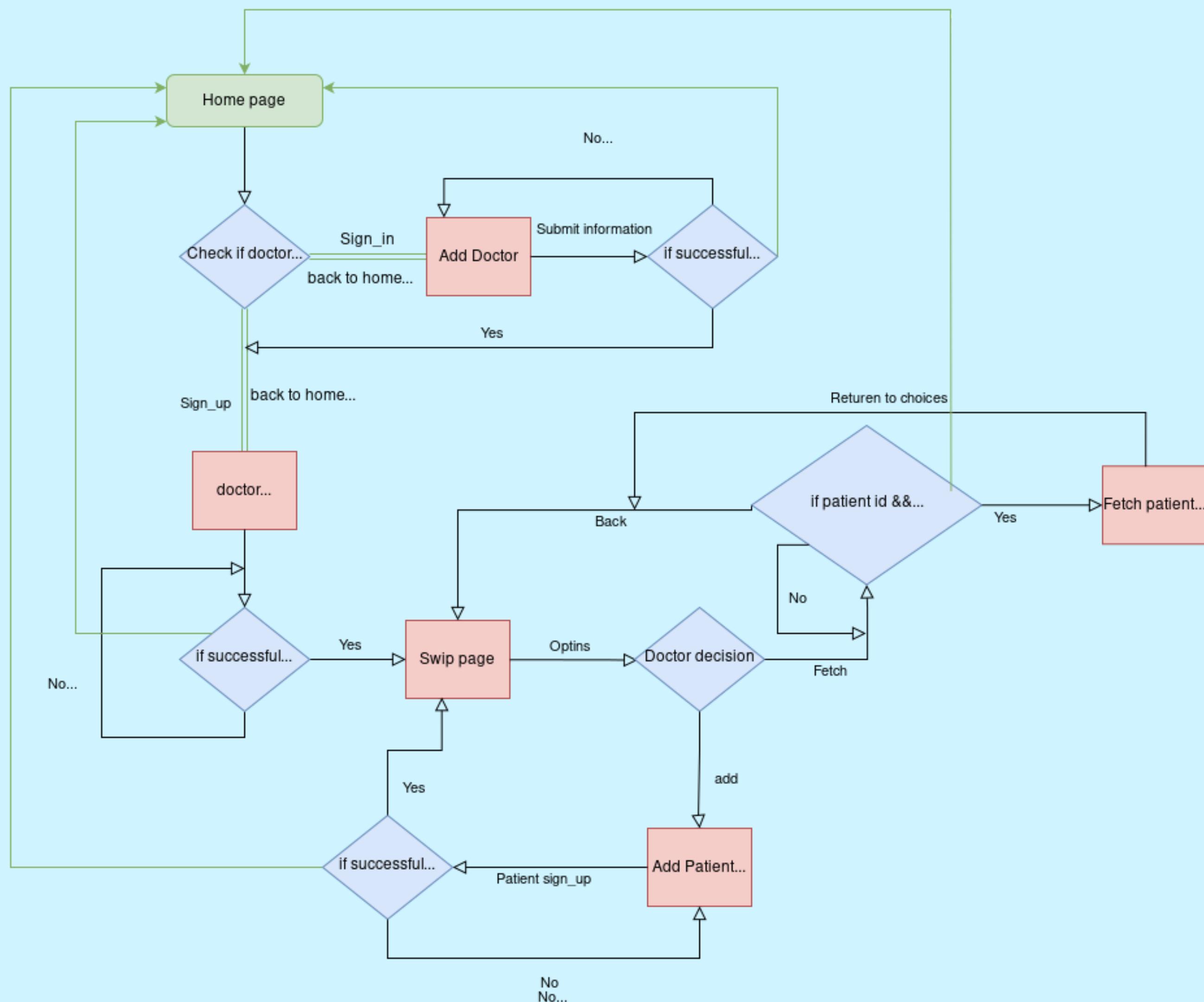
05

Upcoming Futures

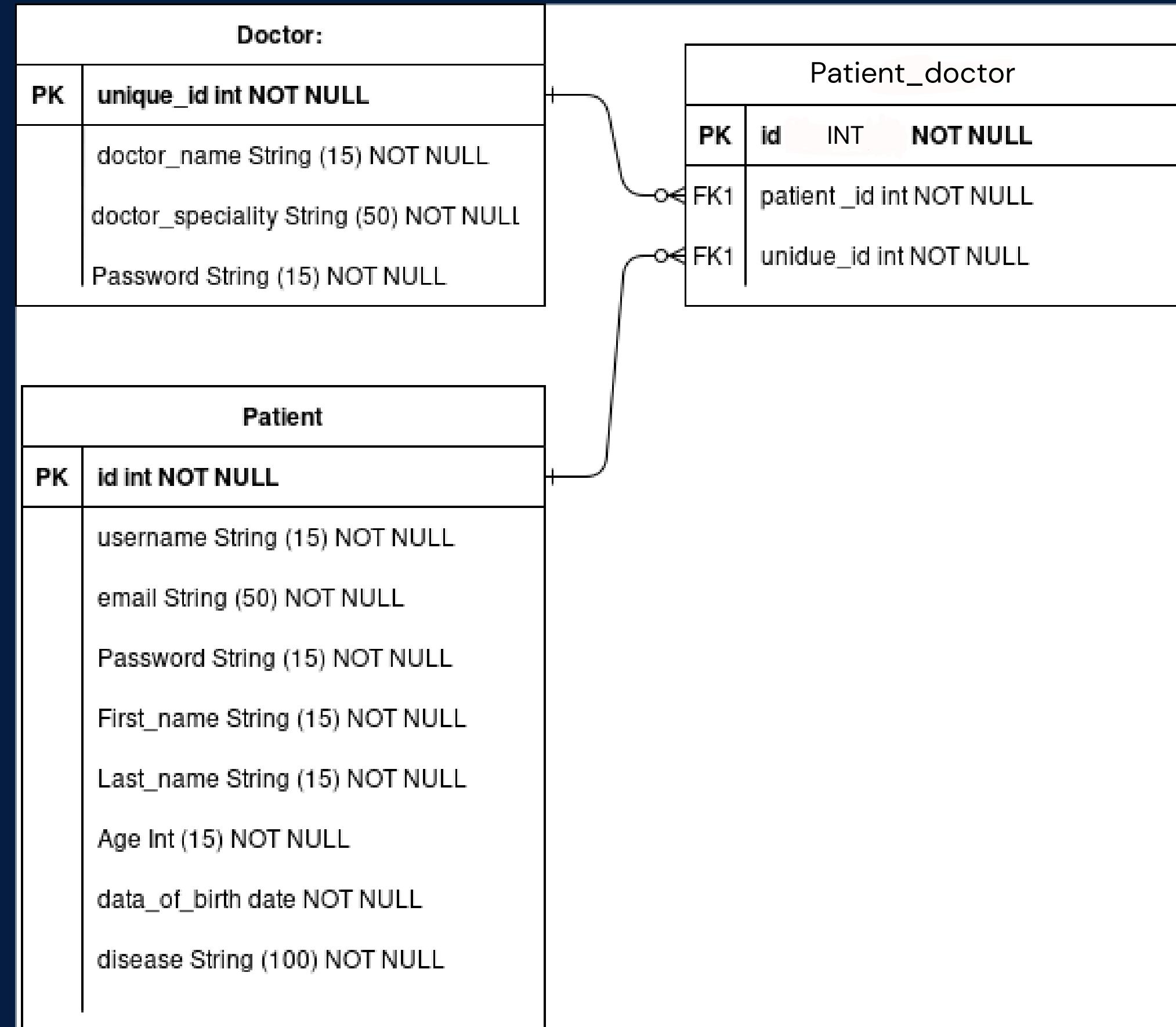


**ASH
CLINICS**

FLOW CHART



ER DIAGRAM



USE CASE

- Doctor

Sign Up as Doctor

Input: unique_id, doctor_name, password, doctor_speciality

Output: Account creation and redirection to Sign In page.

- Sign In as Doctor

Input: unique_id, password

Output: Access to the system if credentials match.

- Add New Patient

Input: Patient details including doctor_id

Output: New patient added and assigned to the doctor.

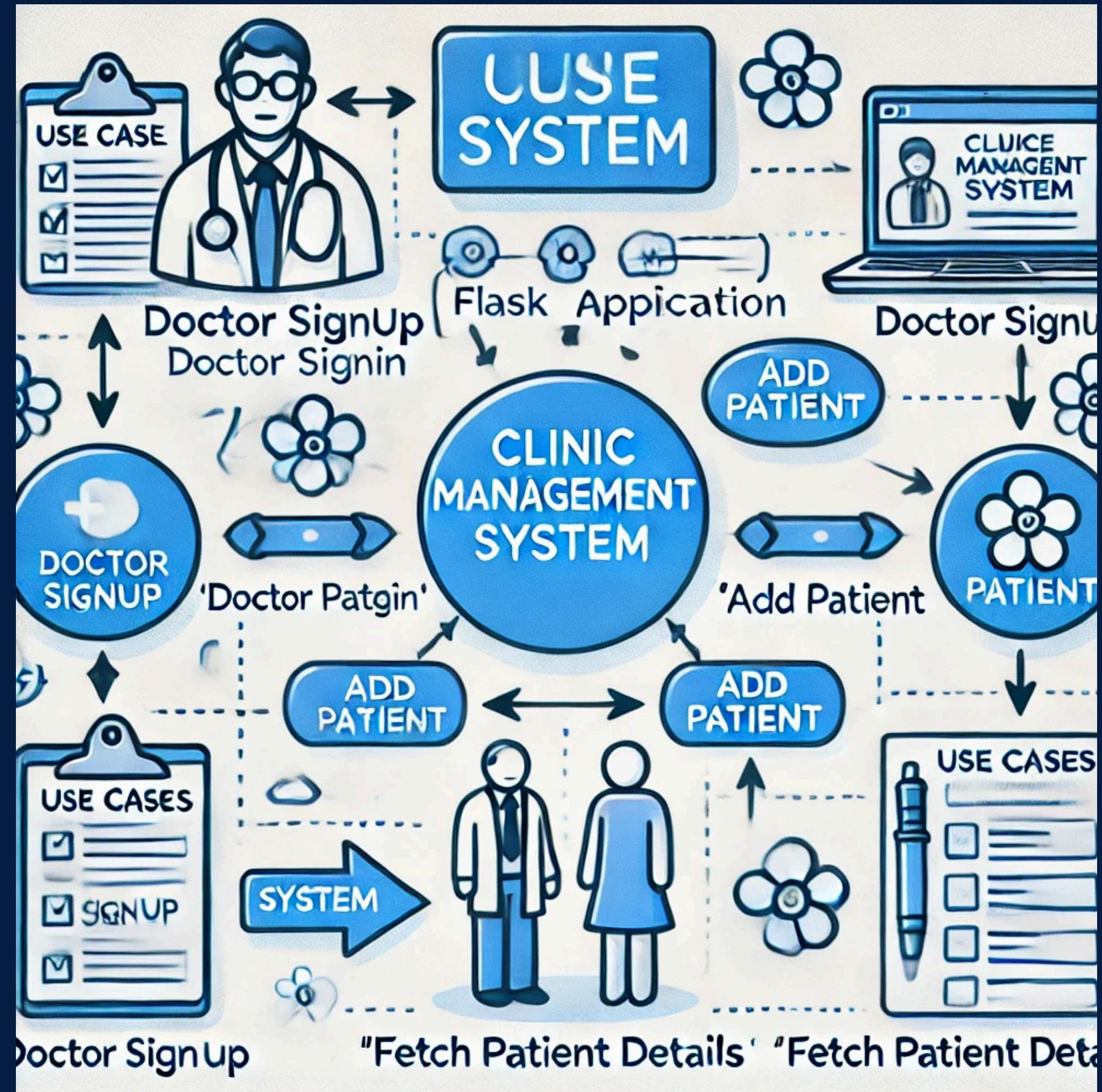
- Search for Patient

Input: patient_id, username

Output: Patient details if assigned to the doctor.

Fetch Patient Details

Output: Detailed information about the patient.





RUNNING PROGRAM

SCREENSHOTS



Welcome to Our Clinic

We are delighted to welcome you to our Clinic Management System.

Our goal is to provide you with a seamless and efficient platform to manage patient records, appointments, and other essential tasks.

Below are some important instructions to help you navigate and use the system effectively.

Our Clinic in Pictures



Contact Us: info@clinic.com | Call us: +1 234 567 890
Staff: Dr. John Doe, Dr. Jane Smith, Nurse Emily White

Activate Windows
Go to Settings to activate Windows.



Doctor Sign Up

Unique ID :

Doctor name :

Passowrd :

Confirm Passowrd :

Doctor speciality :

submit

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Activate Windows

Go to Settings to activate Windows.

After press >> New Dotor

ASH
CLINICS[Home](#) [Doctor Page](#) [New Doctor](#)

Doctor Sign Up

Unique ID :

Doctor name :

Passowrd :

Confirm Passowrd :

Field must be equal to password.

Doctor speciality :

[submit](#)Contact Us: info@clinic.com | Call us: +1 234 567 890

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Activate Windows

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Trying to sign up with different Password on the Password and Confirm_password password lapels



Doctor Log in

Doctor ID :

1

Passowrd :

...

Login

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Activate Windows

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After successfully sign up switch automatically to login page



Doctor Log in

Doctor ID :

1

Passowrd :

...

Login

invalided username or
password

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Activate Windows
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Trying to logain with wrong password



[Home](#) [Doctor Page](#) [New Doctor](#)

[Search for patient data](#)

[Add new patient](#)

[Sign out](#)

Activate Windows

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After successfully login go to the doctor control page automatically

Patient Information

Unique ID :

User name :

First name :

Last name :

Email :

Passowrd :

Confirm Passowrd :

Date of Birth :



Disease :

Age :

submit

Activate Windows

Go to Settings to activate Windows.

Back

from doctor control page press>> add patient to add new patient record



Patient Information

Unique ID :

User name :

First name :

Last name :

Email :

Passowrd :

Confirm Passowrd :

Field must be equal to password.

Date of Birth :



Disease :

Activate Windows

Go to Settings to activate Windows.

Back

trying to add new record with wrong confirm password to the previous password label
NOTE : we could press back in the bottom-left corner to back to the control doctor page

Patient Details :**Patient ID**

1

Username

yasser

search

this patient doesn't exist

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Back

From doctor control page press >> search for patient to search for records that assigned to this doctor recorded in this page i did try to access none exist patient
NOTE : we could press back in the bottom-left corner to back to the control doctor page

Patient Details :

Patient ID**Username****search**

Patient Details

ID: 1**Username:** ismail22**Email:** ismailmohamed@gmail.com**Name:** Ismail mohamed**Age:** 25**Date of Birth:** 1999-11-11**Disease:** some illness

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Back

after the doctor press an assigend patient to him all the details appeared to te screen (FETCH)

Patient Details :**Patient ID**

1

Username

ismail22

search

This patient is not assigned to you or doesn't exist

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Activate Windows

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Back

in this case the doctor try to access an exit patient that not belong to him

app.py Clinc.db

instance > Clinc.db

Filter 3 tables... Rows: 2 Filter 2 rows... Upgrade to PRO

TABLES

- doctor
 - ROWID
 - # unique_id
 - doctor_name
 - password
 - doctor_speciality
- patient
 - ROWID
 - # id
 - username
 - email
 - password
 - First_name
 - Last_name
 - # Age
 - data_of_birth
 - disease
- patient_doctor
 - ROWID
 - # id
 - # patient_id
 - # doctor_id

Rows: 2

	key #	username	email	password	First_name	Last_name	Age	data_of_birth	disease
1	ismail22	ismailmohamed@gmail.com	123123123123	Ismail	mohamed	25	1999-11-11	same illness	
2	hassan11	hassanabdelrhman@gmail.com	123456789	hassan	abdelrhman	22	2002-02-06	broken legs	
+	3								

SQLITE VIEWER FREE v0.9.5

PROBLEMS OUTPUT TERMINAL POSTMAN CONSOLE DEBUG CONSOLE PORTS Copy as TSV

127.0.0.1 - [02/Dec/2024 16:54:27] "GET /static/images/c1%20(2).jpg HTTP/1.1" 304 -
 127.0.0.1 - [02/Dec/2024 16:54:27] "GET /static/images/c1%20(3).jpg HTTP/1.1" 304 -

Activate Windows
Go to Settings to activate Windows

screenshot of my database >> patient table



File > Clinc.db X

Filter 3 tables... Rows: 2

Filter 2 rows... Upgrade

doctor	unique_id	doctor_name	password	doctor_speciality
ROWID	1	Mr.robert	123	dentist
unique_id	2	kamal	123	surgest
doctor_name	+	3		

screenshot of my database >>doctor table

screenshot of my database >> patient_doctor table that contains the relationship

NEXT FUTURE



Scalability

by adding
('/patient_new_recored') that will
allow the docotr to add more than
recored to the same patient
without overwriting



Optimization

To send pdf cotinine the patient
case to each patient through
email in ('/patient_pdf') function



Flexibility

to be able to delete an recorded
patient without affect same
patient records
through ('/Delete_recored')