Willhelm International

```
# Wi_international
 Willhelm International Care

## Description

An appointment website designed for Willhelm International.

## Tech stack
Django(full stack yay!), Sql, Bootstrap, jQuery.

<!-- **Webiste:** [Deployed on Pythonanywhere](http://jasonchan.pythonanywhere.com) -->

## Admin view:

Administrator can be created only through terminal of server by using "./manage.py
createsuperuser" command. An [administrator](username: test, password: test) has been
created, please feel free to test the data intergrity and consistency.

1. Administrator has Create, Read, Update, and Delete control of the user.
2. Administrator has Create, Read, Update, and Delete control of the appointment.
3. Administrator has Create, Read, Update, and Delete control of the prescription.

## Doctor view

1. Prescribe medication (medication/dosage/duration).
2. View scheduled appointments
3. Schedule Follow up appointment in the future
4. See patient appointment and medication history


## Patient View

1. book appointments with specific doctors - view only current medication and dosage.
2. Book appointment by types(primary care, flu, mental care, and etc)

# Django hooks


# Deploying options
## Deploying on AWS
1. Deploying a Django application to Elastic Beanstalk
https://docs.aws.amazon.com/elasticbeanstalk/latest/dg/create-deploy-python-django.html
### pros:
Easy to see the backend interface
### cons:
Will need time to manage
```

```
Need a domain name


## Deploying on Heroku
### pros:
No need domain or dbms
Easy to setup and free usage
### cons:
https://devcenter.heroku.com/articles/django-app-configuration
'''
You're using the staticfiles app without having set the STATIC_ROOT setting to a filesystem
path.
'''
```

1. Setting up for local deployment

Assuming that Python 3.9 or up and Dip has been installed

2. Cloning the repository

--> Clone the repository using the command below :

```
git clone https://github.com/killerfrost22/Wi_international
```

--> Move into the directory where we have the project files :

```
cd Wi_international
```

--> Create a virtual environment :

```
# Let's install virtualenv first
pip install virtualenv

# Then we create our virtual environment
virtualenv envname
```

--> Activate the virtual environment :

```
envname\scripts\activate
```

--> Install the requirements :

```
pip install -r requirements.txt
```

3.Setup Virtualenvironment

```
py -m venv venv # Create virtual environment

source venv/bin/activate # Activate virtual environment
```

```
pip install -r requirements.txt # Install requirements

python server.py # Run server

deactivate # Deactivate virtual environment
```

4.Migrate the database

python manage.py makemigrations
python manage.py migrate --run-syncdb

5. Running the App

--> To run the App, we use :

```
python manage.py runserver
```

⚠ Then, the development server will be started at http://127.0.0.1:8000/

Django Admin mode

http://127.0.0.1:8000/admin/login/?next=/admin/

Admin: ted@gmail.com

Pswd: josephao

Admin links admin functions and it links admin profile, it can also display change log
After running, the server and accessing the homepage, go to admin panel to add all the medicines, their preparations and departments as they are all managed by the admin.
http://127.0.0.1:8000/admin

Django patient account

Username: bucky@gmail.com

Pswd: josephao

Django doctor account

Username: da@gmail.com

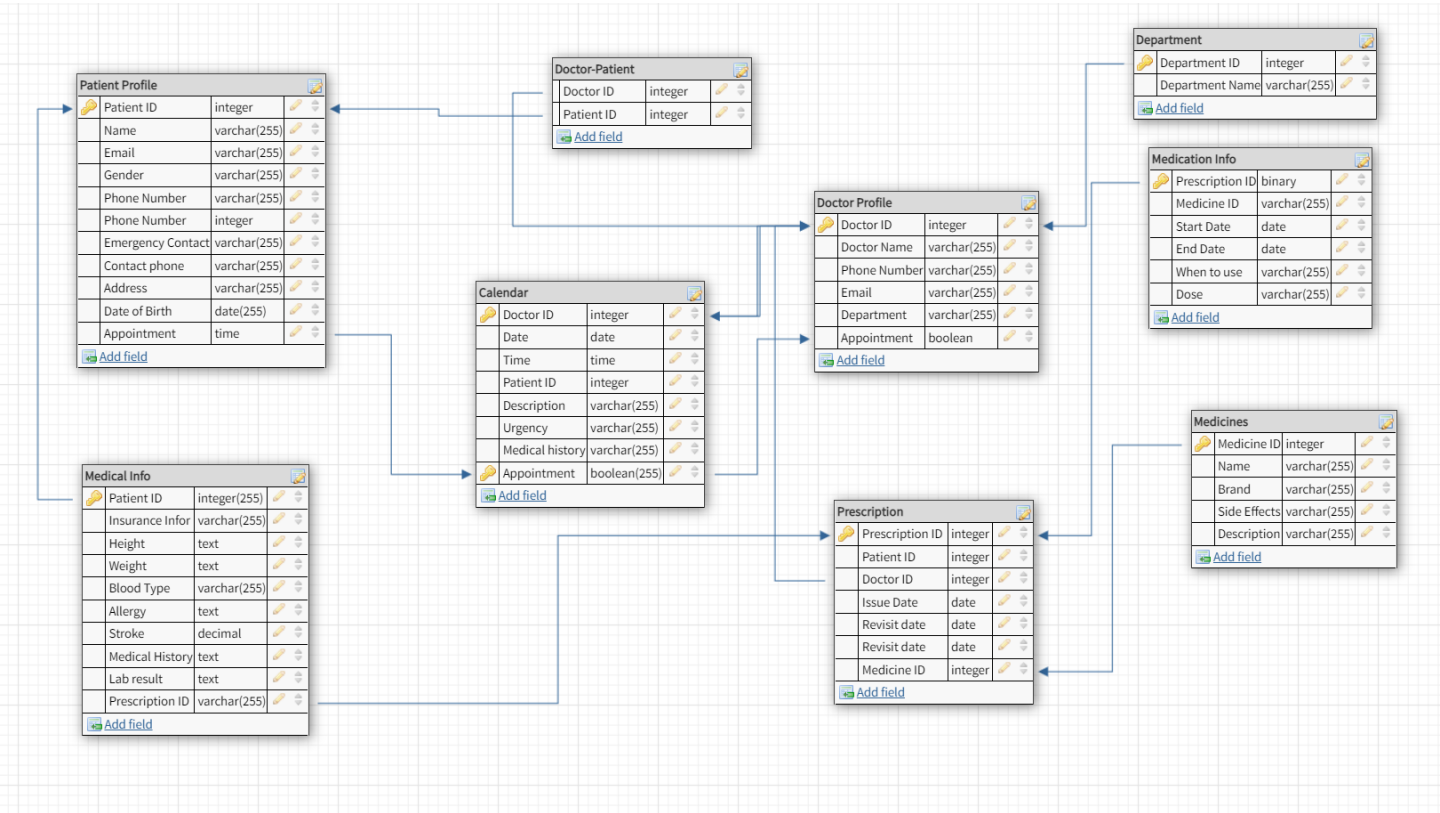
Pswd: josephao

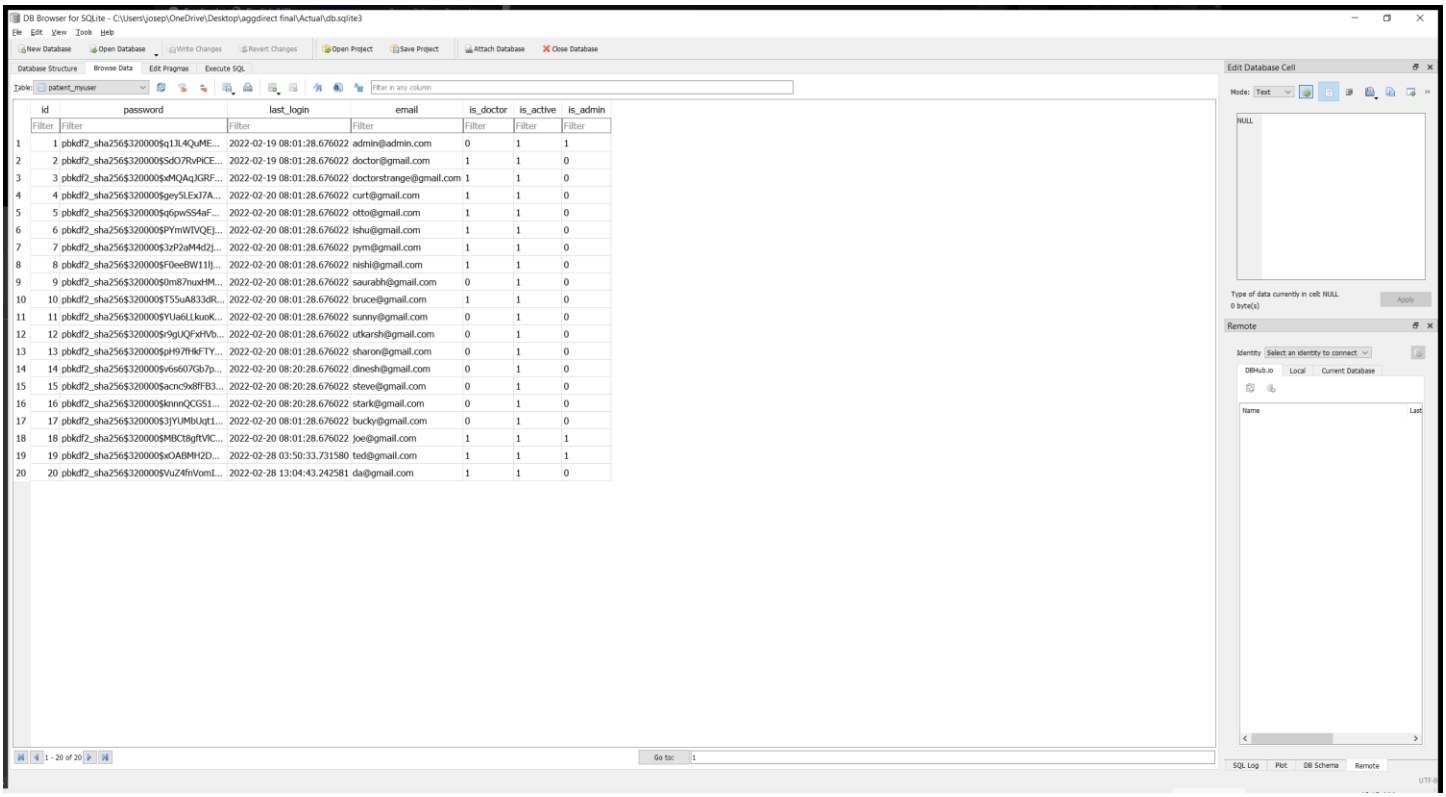
Links doctor functions links to doctors profile Displays upcoming appts

Change password

In the command line python .\manage.py changepassword bucky@gmail.com

DataBase Design:

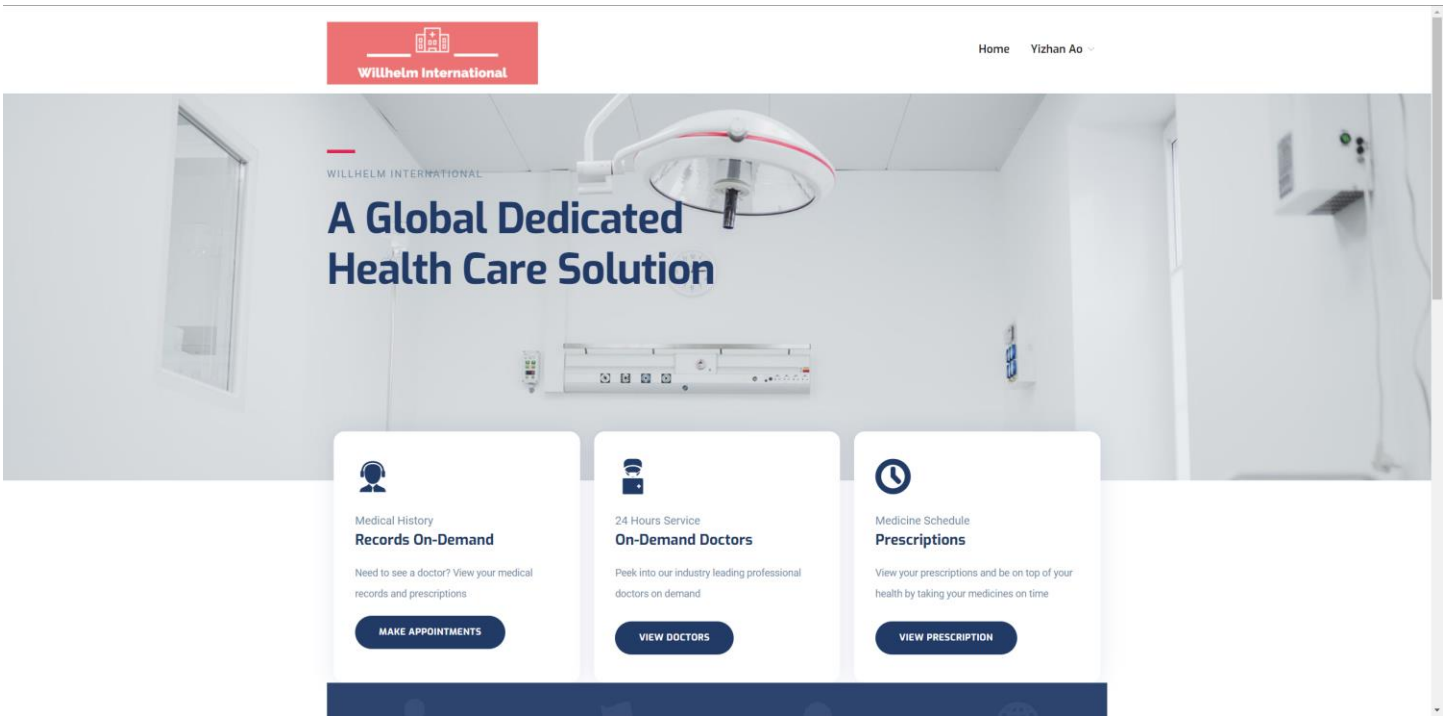




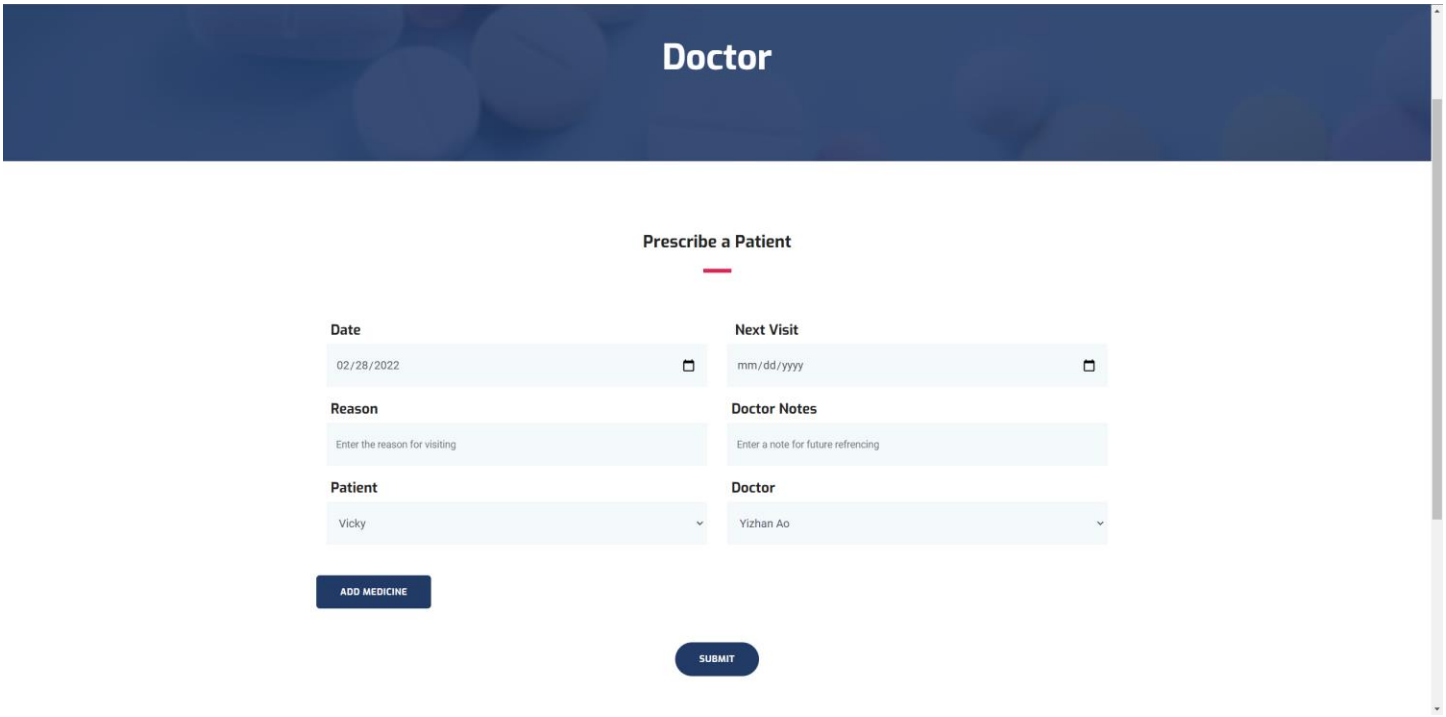
	id	password	last_login	email	is_doctor	is_active	is_admin
1	1	pbkdf2_sha256$320000$q1JL4QuME...	2022-02-19 08:01:28.676022	admin@admin.com	0	1	1
2	2	pbkdf2_sha256$320000$SdO7RvPICE...	2022-02-19 08:01:28.676022	doctor@gmail.com	1	1	0
3	3	pbkdf2_sha256$320000$xMQAq3GRF...	2022-02-19 08:01:28.676022	doctorstrange@gmail.com	1	1	0
4	4	pbkdf2_sha256$320000$gey5LExJ7A...	2022-02-20 08:01:28.676022	curt@gmail.com	1	1	0
5	5	pbkdf2_sha256$320000$q6pwSS4aF...	2022-02-20 08:01:28.676022	otto@gmail.com	1	1	0
6	6	pbkdf2_sha256$320000$PYmWIVQEj...	2022-02-20 08:01:28.676022	ishu@gmail.com	1	1	0
7	7	pbkdf2_sha256$320000$3zP2aM4d2j...	2022-02-20 08:01:28.676022	pym@gmail.com	1	1	0
8	8	pbkdf2_sha256$320000$F0eeBW11lj...	2022-02-20 08:01:28.676022	nishi@gmail.com	1	1	0
9	9	pbkdf2_sha256$320000$0m87nuxHM...	2022-02-20 08:01:28.676022	saurabh@gmail.com	0	1	0
10	10	pbkdf2_sha256$320000$T55uA833dR...	2022-02-20 08:01:28.676022	bruce@gmail.com	1	1	0
11	11	pbkdf2_sha256$320000$YUa6LLkuoK...	2022-02-20 08:01:28.676022	sunny@gmail.com	0	1	0
12	12	pbkdf2_sha256$320000$r9gUQFxHVb...	2022-02-20 08:01:28.676022	utkarsh@gmail.com	0	1	0
13	13	pbkdf2_sha256$320000$pH97fHkFTY...	2022-02-20 08:01:28.676022	sharon@gmail.com	0	1	0
14	14	pbkdf2_sha256$320000$v6s607Gb7p...	2022-02-20 08:20:28.676022	dinesh@gmail.com	0	1	0
15	15	pbkdf2_sha256$320000$acnc9x8fFB3...	2022-02-20 08:20:28.676022	steve@gmail.com	0	1	0
16	16	pbkdf2_sha256$320000$knnnQCGS1...	2022-02-20 08:20:28.676022	stark@gmail.com	0	1	0
17	17	pbkdf2_sha256$320000$3JYUMbUqt1...	2022-02-20 08:01:28.676022	bucky@gmail.com	0	1	0
18	18	pbkdf2_sha256$320000$MBCt8gftVlC...	2022-02-20 08:01:28.676022	joe@gmail.com	1	1	1
19	19	pbkdf2_sha256$320000$xOABMH2D...	2022-02-28 03:50:33.731580	ted@gmail.com	1	1	1
20	20	pbkdf2_sha256$320000$VuZ4fnVomI...	2022-02-28 13:04:43.242581	da@gmail.com	1	1	0

Overview of project:

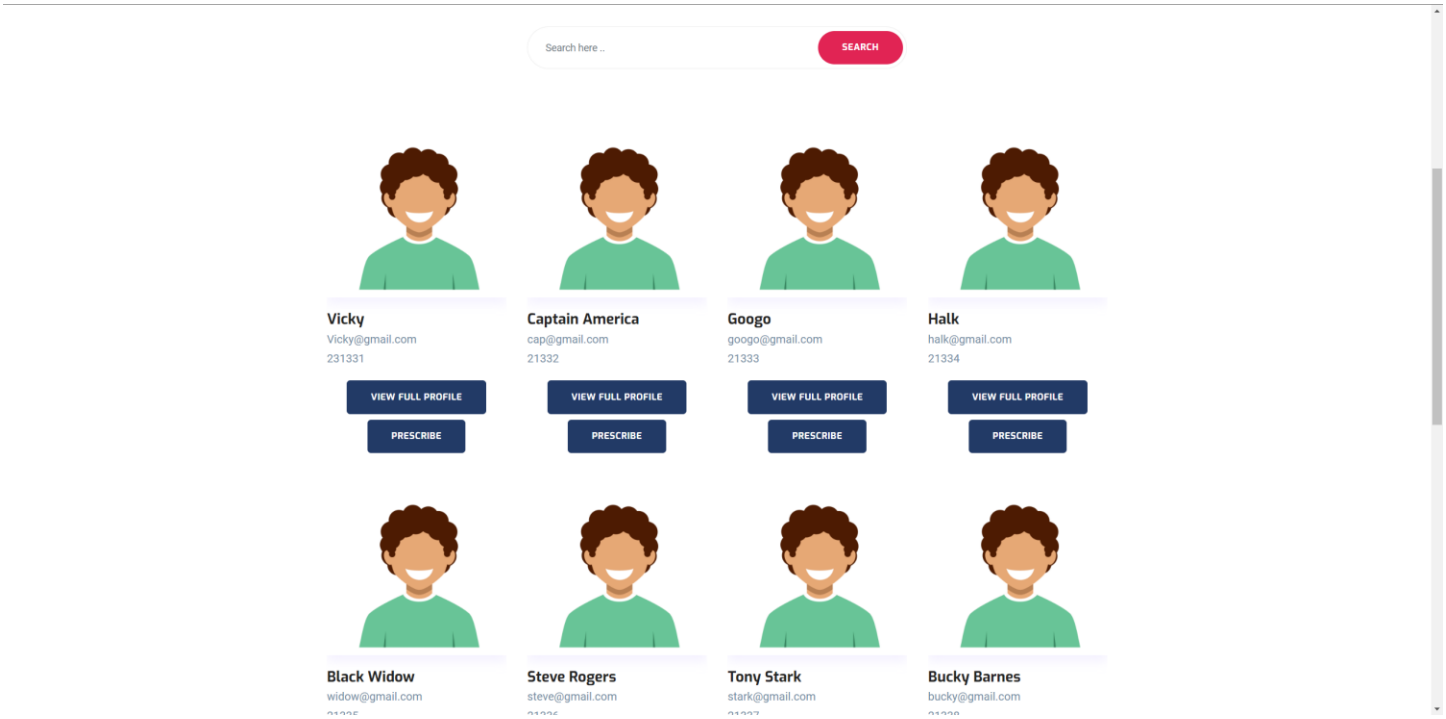
Homepage



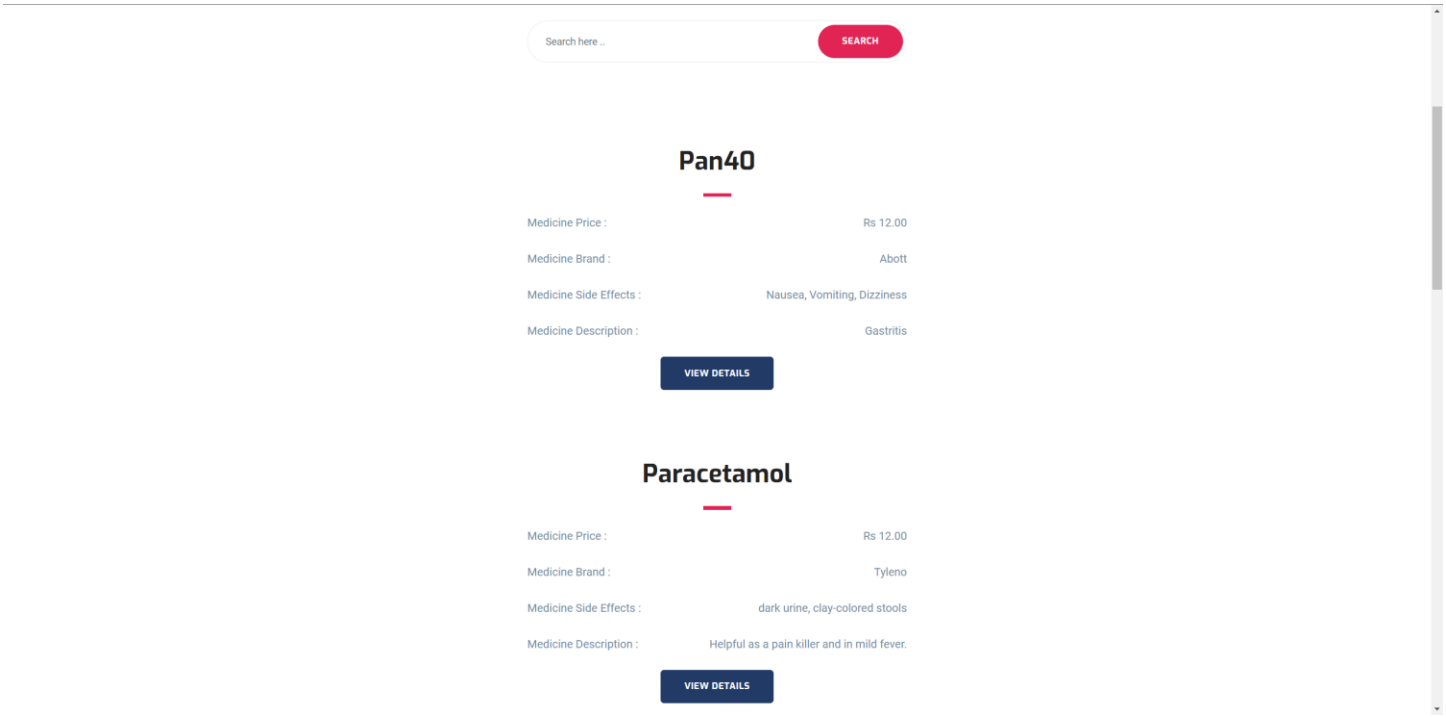
Doctor view



Patients View:



Medicine View



What could be done better?

1) Google Calendar API

pip install google-api-python-client (from the requirements already)

I can avoid running the server and storing all the appointment data which in the end messed up my code and I have to remove all of the calendar functions to be able to run the code successfully. If I got more time I would change the original schema to be hosted on google calendar and make the patient to send request and the doctor will receive emails and doctors can either choose approve or choose a different time.

2) AWS Beanstalk

This part is the pain in my project. My original deployment was on Heroku however, my code of calendar was malfunction and I have to go back to ground zero. And Heroku refuses to work with me again. So I have to redirect to the AWS beanstalk which works but partially.