

Stamford University Bangladesh

Chamber Management System

Supervised by
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Senior Lecturer

Presented by
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CSE 062 07359

Overview

- Manual processes cause delays, errors, and challenges in maintaining accurate records.
- These issues impact patient experience and medical chamber functioning.
- The Chamber Management System automates processes to improve patient satisfaction, operational efficiency, and care quality.

Background Study

Challenges in Traditional
Chamber Management

Existing Chamber Management
Systems

Technology and Tools for
Chamber Management

Problems

Hardcopies of prescriptions are very easy to be lost.

It's very difficult to keep all of your prescriptions together at one place

Manual appointment management are prone to error

Objectives

- To develop a system for doctors where they can create, view, and update prescriptions.
- develop a dashboard for patients where they can view their old prescriptions altogether.

System Design

Backend:

Python, Django

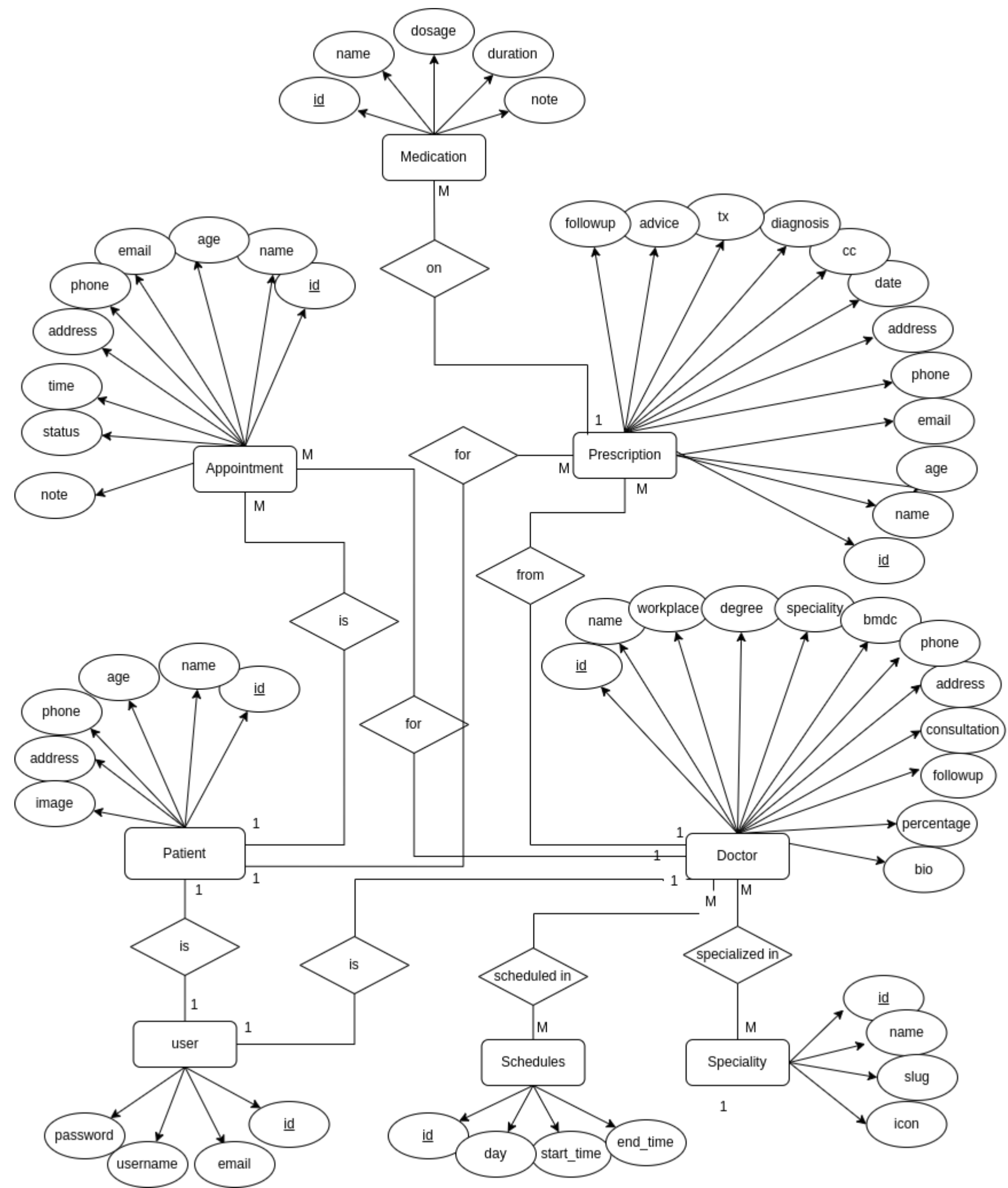
Frontend:

Django templates, HTML, TailwindCSS

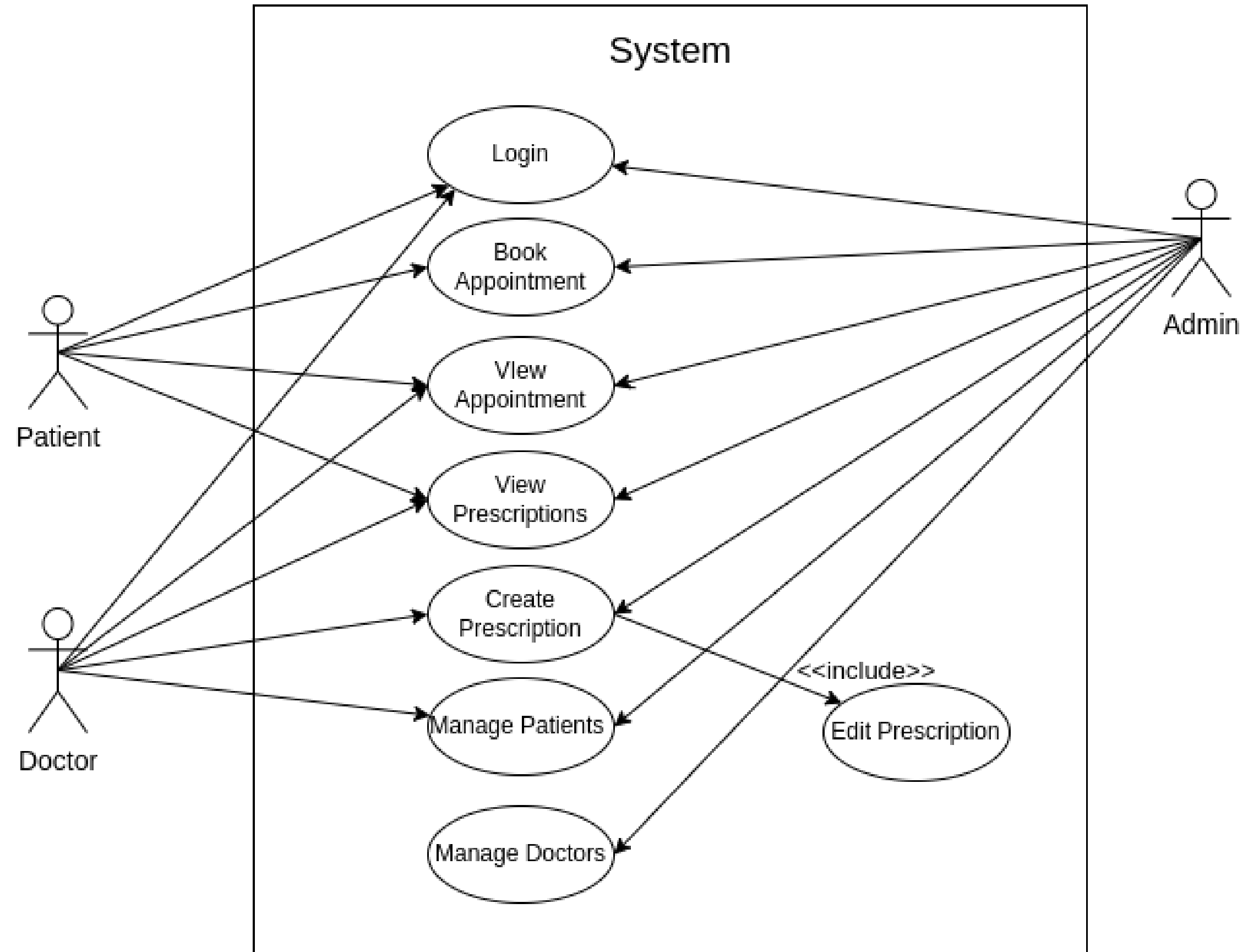
Database:

SQLite

Entity Relationship Diagram



Use case Diagram



Features

- Patients can book an appointment by logging in
- Doctors can create prescriptions from their dashboard
- Patients get a QR Code with the link to their prescription via email
- Patients can view their appointments and prescriptions from their dashboard.

Landing Page

[Specializations](#)[Doctors List](#)[Log in →](#)

Get the best doctors in one place

We have a team of doctors who are dedicated to providing the best medical care to our patients. We are here to help you.

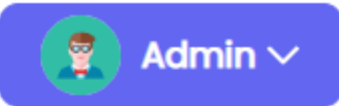
[Log in](#)[Book an appointment](#)[Doctors](#)[Features](#)[Privacy Policy](#)[Terms](#)[About](#)

Doctor Profile



Specializations

Doctors List



Dr. Faysal Rana

Medicine/General Physician

MBBS, BCS (Health)

Currently working at Upazila Health Complex, Faridganj, Chandpur

BDT **500** For First Visit*
BDT 300 For Followups

Book Appointment

BMDC	Total Patients Attended	Joined Healthpoint
103280	2	21 May, 2023

About Dr. Faysal Rana

MBBS(Chittagong Medical College), BCS(Health), FCPS(Final Part-Medicine), PGT(Medicine), CCD(BIRDEM) MCGP(Pediatrics)(Reg-2103046002) Medical Officer: Upazila Health Complex, Faridganj, Chandpur Ex-MO: Imperial Hospital (COVID ICU), Chittagong Ex-MO: CSCR Hospital, Chittagong Ex-MO: Surgiscope Hospital(NICU), Chittagong Ex-EMO: Mirsarai Seba Hospital, Chittagong

Availability

Friday
06:00 PM – 10:00 PM
Saturday
06:00 PM – 10:00 PM

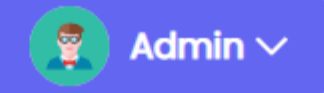
Book Appointment

Book Appointment



Specializations

Doctors List



Dr. Faysal Rana

Medicine/General Physician

BDT 300

For Followup

Please select date and time for your visit

Select Date

02 June, 2023 - Friday



Select Time Slot

06:45 PM



Patient's Name

Admin Patient

Patient's Email

finadim359@gmail.com

Patient's Phone

01900000000

Patients Age

30

Patient's Address

Dhaka

Book Appointment


Patient Dashboard: Prescriptions




Specializations


Doctors List

 Admin ▼

 Profile

 Appointments

 Prescriptions

 Logout

Dr. Faysal Rana
May 28, 2023

Print

View Prescription

Date: May 28, 2023

Prescription ID: 4

Name: Admin Patient

Age: 30

Email: fardeen.es7@gmail.com

Phone: 01900000000

Address: Dhaka



Chief Complaints:

fever, bomi bomi vab

Diagnosis:

None

Tx:

None

Rx

Name	Dosage	Duration	Note
No Medications			

Advice:

None

Dr. Faysal Rana
May 26, 2023

Print

View Prescription

Date: May 26, 2023

Prescription ID: 3



Doctor Dashboard: Prescriptions



- Dashboard
- Appointments
- Patients
- Profile
- Logout

Welcome, Dr. Faysal Rana



faysal

MBBS, BCS (Health)

Address: 123, ABC Road, Dhaka

Date: June 6, 2023

Prescription ID: 6

Name: Furcanul Islam

Age: 30

Email: finadim359@gmail.com

Phone: 01303016230

Address: 17/1-B, Middle Paikpara, N



Chief Complaints:

Headache

Diagnosis:

None

Tx:

None

Rx

Name	Dosage	Duration	Note
Napa	1+0+1	10 Days	After meal

Add Medicine

Advice:

None

Followup: mm/dd/yyyy

Update

Print Prescription

Send Email to Patient

Limitations

The system lacks of billing system

No dedicated mobile app.

Appointment date and time can't be changed

Future Updates

Billing system

Analytical dashboard

Telemedicine service

Thank You

Presented by
Furcanul Islam
CSE 062 07359