



Dhaka University of Engineering & Technology, Gazipur  
Department: Computer Science and Engineering

# Digital Health Record Tracker.

As an Apps (Smart Health BD)

Course Name: Information System Analysis and Design

## Course Mentors:

Mr. Khawja Imran Masud

Assistant Professor

Dept. of CSE

DUET, Gazipur

Mst. Sumaya Khatun

Assistant Professor

Dept. of CSE

DUET, Gazipur



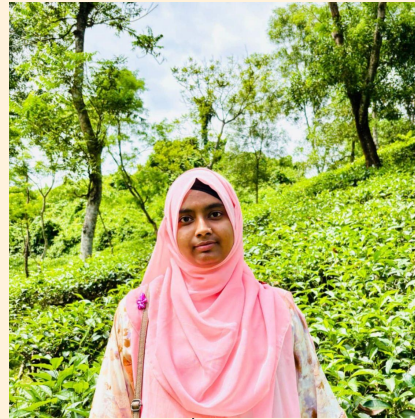
# Submitted By



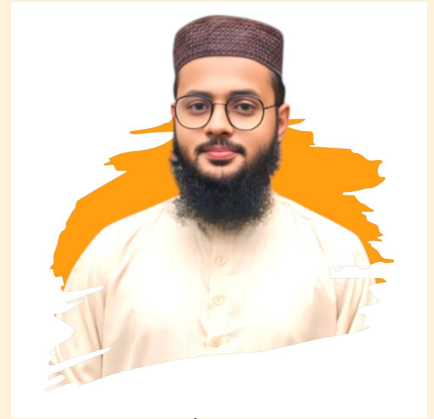
**Name :RS Ripon Sarker**  
ID: 214010



**Name :Md. Anowar Hossen**  
ID: 214018



**Name :Ferdowsi  
Khatun**  
ID: 214031



**Name :Azizul Haque Tutul**  
ID: 214052



# Project Overview

**Smart Health BD** is an Android-based health record tracking app.

It helps doctors save a patient's medical info and allows other doctors to access it later using a **unique patient ID**.

- Doctors can add new health records
- Patients can book doctors and get advice
- Medical history is saved in Firebase
- Easy and clean interface for all users



# **Problem Statement**

- ❑ Patients often visit different hospitals.
- ❑ Doctors don't know their previous history.
- ❑ Important medical data is lost or not shared.
- ❑ Patients forget old treatment records.



# Our Solution

- ❖ Each patient has a unique ID.
- ❖ Doctors can update medical info in the app.
- ❖ New doctors can view past records easily.
- ❖ Makes health tracking simple and effective.



## Target Users

- Admin
- Patient
- Doctor

## Technology Used

- Figma for design
- Android Studio
- Java
- Firebase Database  
Support
- Real-time Database

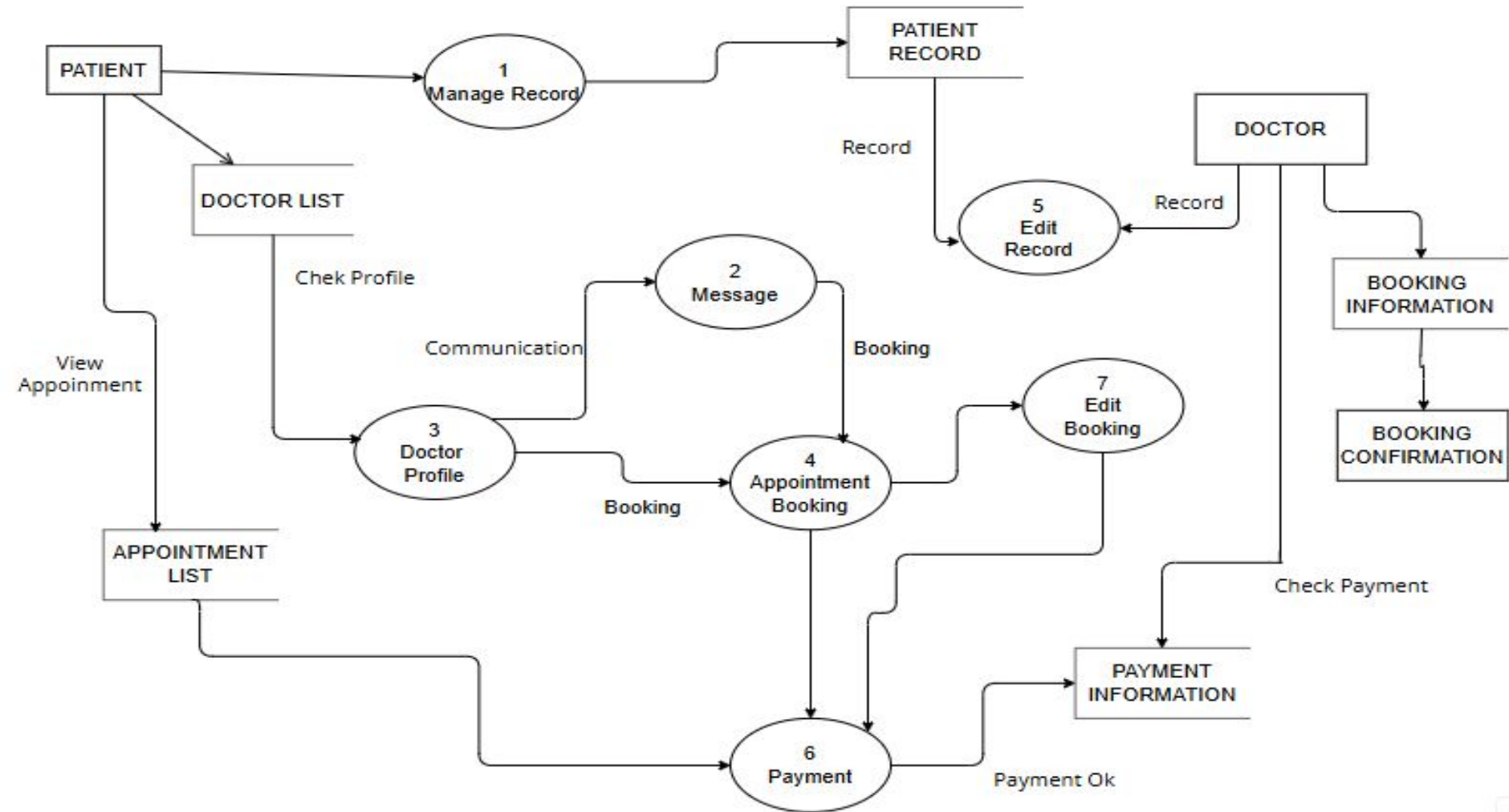


# System Key Features

- User Login and Registration
- Password Recovery Option
- Doctor Booking System
- Admin profile
- Patient Profile
- Doctor Profile
- Book Appointment
- Profile Management
- Health Record View



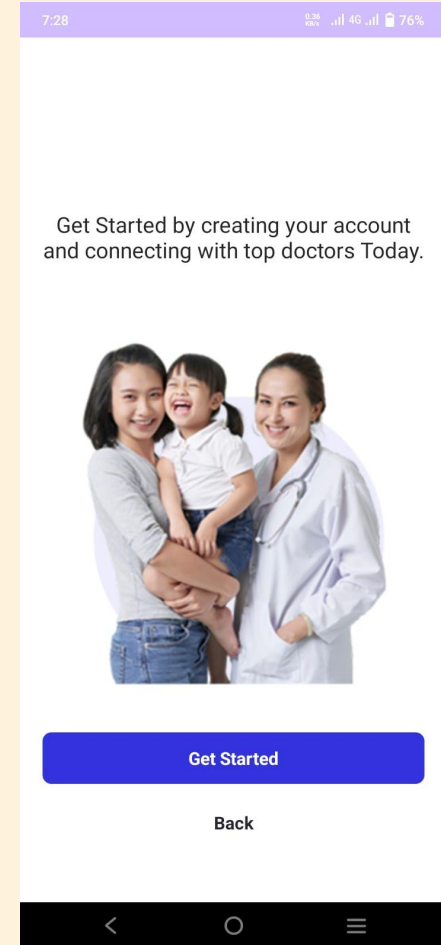
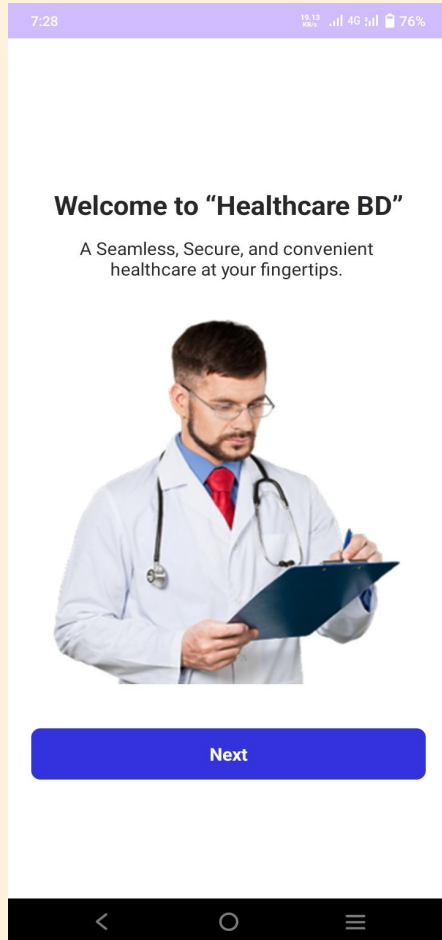
# This is our Data Flow Diagram (DFD)







# Welcome Screens of the App





# User Type Sign up/Sign In and Reset Password

9:41

<

Sign up your account

## Sign Up

Your Name

Your Email

Your Password

Re-Enter Password

Continue

or

Sign Up with Apple

9:41

<

Sign in your account

## Sign In

Your Email

Your Password

☐ Remember me [Forgot Password](#)

Continue

Don't have an account? [Sign up](#)

or


Sign Up with Apple

Continue with Google

By continuing I agree with Privacy Policy and Terms & Conditions

4:17

<



## Forgot Password?


Forgot your password? Enter your registered email to receive an OTP. Use it to verify your identity and reset your password.

Email

Get OTP

11:03 PM

<



## Password Reset


We have sent an OTP to xyz@gmail.com. Enter the OTP to verify your identity and set a new password

Didn't receive OTP? Resend OTP

Get OTP

11:04 PM

<



## Create new password

A strong password should be 12 characters with a mix of letters, numbers, and symbols.

### Create New Password

### Confirm Password

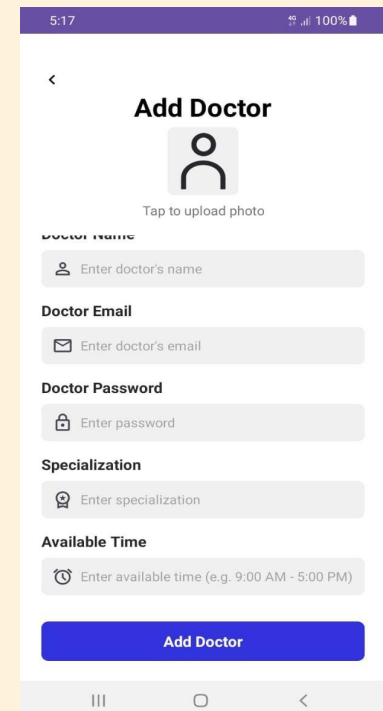
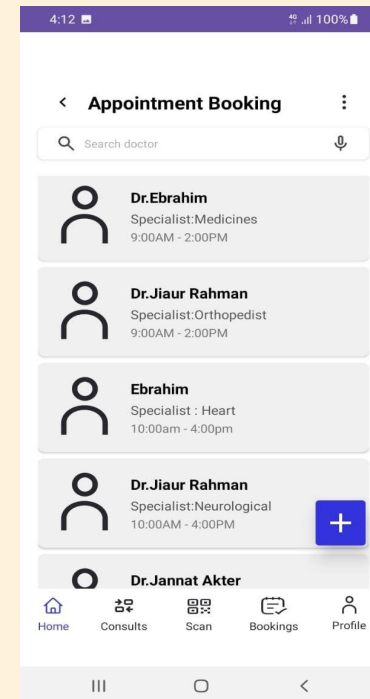
Continue



# Admin Role

The Admin has control over managing doctor profiles in the system. Admin responsibilities include:

- Monitoring the system activities
- Adding new doctors
- Removing doctor accounts



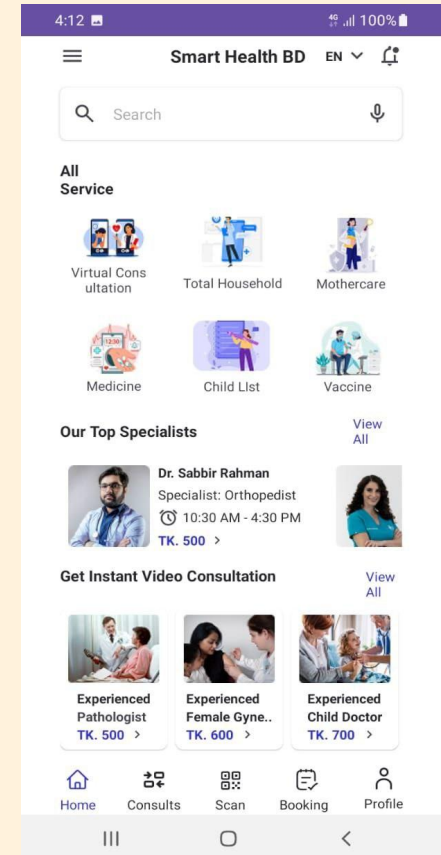


# Doctor Role

Doctors can access their profile

Doctor functionalities:

- View Home Page
- Edit patient Record
- View appointment list





# Patient Role

Patients are the main users of the app who can interact with doctors and manage their own health journey

## **Patient functionalities:**

- Home page
- View doctor profiles
- Book appointments
- Make payments



# Conclusion

Smart Health BD helps doctors and patients track health easily. It stores and shares medical data safely.

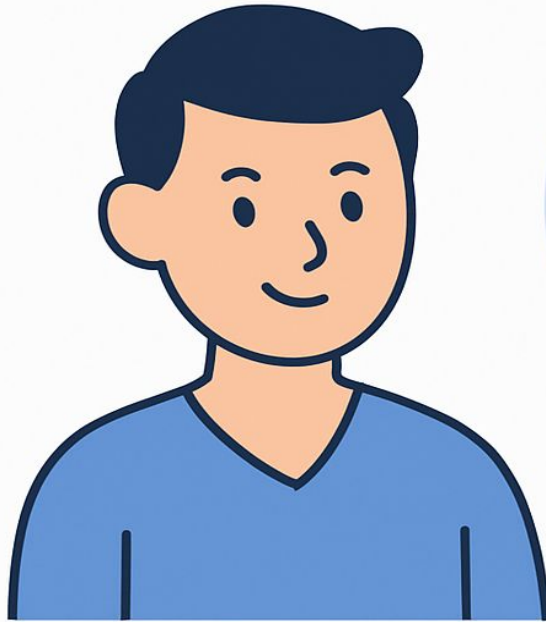
- Helps doctors access patient history anytime
- Ensures accurate and faster diagnosis
- Empowers patients to carry their medical info digitally
- Easy to use for all types of users

In the future, more features like prescription upload, lab report integration, and AI health suggestions can be added.



Thank you for your time!

# Any Questions?



*"Feel free to ask anything related to the project."  
"We are open to feedback and suggestions."*