HEALTH CARE SYSTEM

It is online based Appointment Booking Application for Patients. Patient can register and search and request for Slots based on doctor or Specialisation, request is accepted/rejected by admin/employees.

Doctor can view his/her all slots and patients who booked appointments. They can update their profiles, like Specialisation, contact and email details.

Admin Creates Doctor and Appointment Slots. He can generate Charts for Slot and patient details. Dashboard is available to see number of doctors, patients Appointments. Admin can upload/download document related doctor certificates, contract bonds. Excel and PDF data for appointments can be viewed.

Finally Patient can cancel appointments or he can download this Invoice and pay amount using different channels.

Roles in Project:-

ADMIN

 EMPLOYEE/STAFF

DOCTOR

PATIENT

Module in Project:-

Specialisation: Here Admin can add Different Specialisation of Doctors like Cardiology ,Corneal Transplant, General Surgery, Infectious Diseases… etc.

Doctor: - Every Doctor is added by admin with details given using application, later doctor can login and update profile and password. He can view his patients and appointments.

Appointment: - For Every doctor specific dates to book appointments are added by admin. For an Appointment, date, fee, no. of slots exist all are provided.

Patient: - Need to be self-register and login, search for appointments and request to admin for approval. He can cancel appointments and pay amount for invoice.

Slots: - A booked appointment status between Doctor and patient can be specified using this, with different status as PENDING, APPROVIED, REJECTED, CANCELLDED.

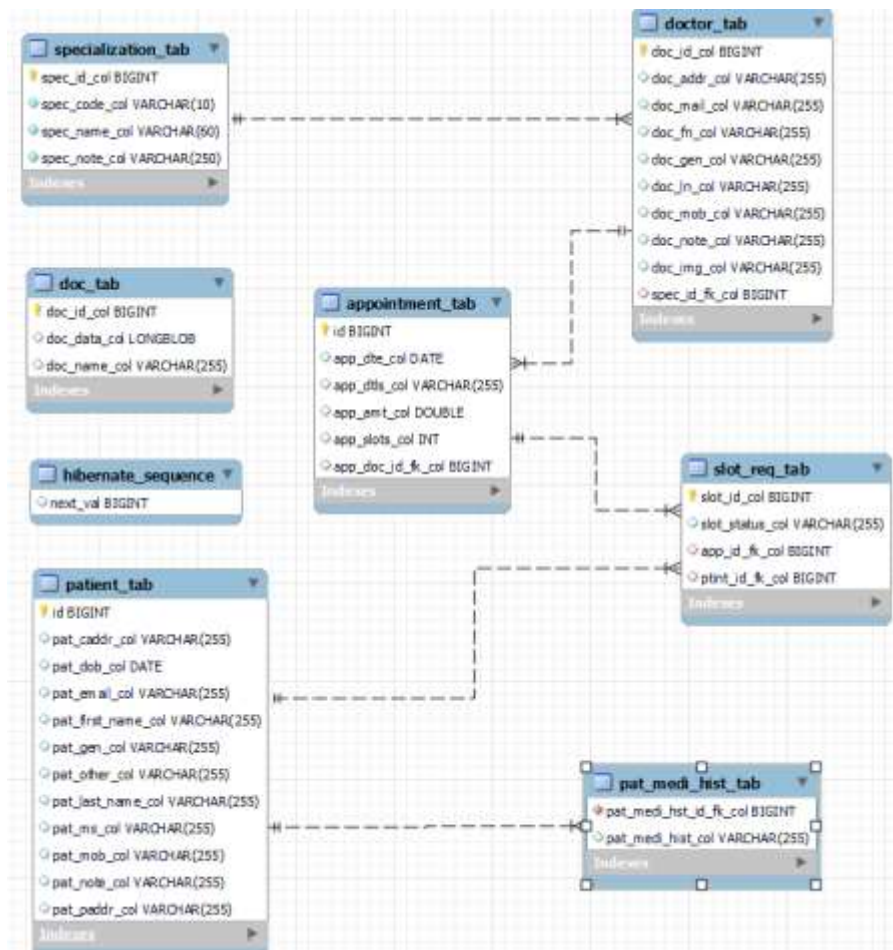**Documents**: -ADMIN can store document related to hospital, doctors and patients details.

 Reports:-

Tools and Technologies used:- Spring Boot, Thymeleaf, Data JPA, Java Mail API, HTML, CSS, JQuery, Bootstrap, JUnit, Log4J, Maven, Heroku Cloud CLI.

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Database Design

WELCOME TO HOSPITAL APPLICATION

REGISTER SPECIALISATION

Code	PATH
Name	Pathologists
Note	These lab doctors identify the causes of diseases by examining body tissues and

Create

DOCTOR REGISTRATION

Image	Choose File img.png
First Name	Gati
Last Name	David
Email	dgatious@gmail.com
Specialisation	Dermatologists
Address	Tema Ghana
Mobile	029938577
Gender	● Male ○ Female
Note	Senior Dermatologist

Create

Create Appointment

Doctor	Janice Doe
Date	12/31/2021
No.Of Slots	30
Amount	2500
Details	Basic Checkup and Counselling

Create ➕

CURRENT USER PROFILE

ID	1
NAME	Admin
EMAIL	dgatious@gmail.com
ROLE	ADMIN

PATIENT REGISTER

First name	Hannah
Last Name	Dee
Gender	○ Male ● Female
Phone	3444555
Email	hannah@gmail.com
Date of Birth	06/03/1998
Marital Status	○ Married ● Single ○ Divorce ○ Separated
Present Address	Tema Com. 25 Ekumah Street
Communication Address	The Police Service Barrack D C 25
Past Medical History	☐ Anaemia ☐ Asthma ☐ Diabetes ☐ Cancer ☐ Ulcer ☐ Chicken pox
Other Details ☐	
Note	For Routine Checkup

Register ➕

ADMIN DASHBOARD

DOCTORS **2**

PATIENTS **1**

APPOINTMENTS **5**

SPECIALIZATION **9**

ADMIN SLOTS DATA

- CANCELLED
- REJECTED
- ACCEPTED
- PENDING

ADMIN SLOTS DATA

- CANCELLED
- REJECTED
- ACCEPTED
- PENDING
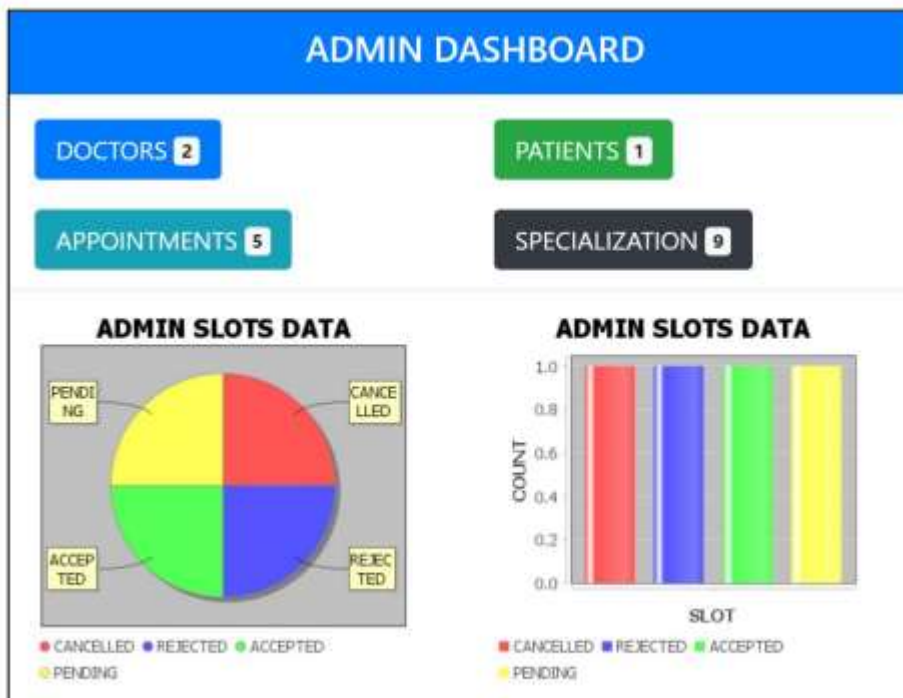
Doctor Data

Specialization   -VIEW ALL DOCTORS-   Search

Result : All Doctors

#	NAME	EMAIL	SPECIALIZATION	MOBILE	NOTE	OPERATION
	SYED AHMED	syed@gmail.com	Cardiologists	987654329	HYD	VIEW SLOTS
	TINTU TAM	tintu@gmail.com	Cardiologists	987654328	SAMPLE	VIEW SLOTS

Slots Result

RESULTS SHOWING FOR : SYED AHMED

#	DATE	NO.OF SLOTS	AMOUNT	OPERATION
1	2021-11-24	5	1000.0	BOOK REQ

SLOT REQUEST FOR PATIENT : AJAY KUMAR

	DATE	DOCTOR	STATUS		
1	2021-10-29	SYED AHMED	CANCELLED		
2	2021-10-30	TINTU TAM	REJECTED		
3	2021-11-10	TINTU TAM	ACCEPTED	CANCEL ⊘	INVOICE 🖨
4	2021-11-24	SYED AHMED	PENDING		