Project Title: Diagnostic Center Management System

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Diagnostic Center Management System

<u>Description:</u>

The health sector is One of the largest service industries in Bangladesh is the health sector. In Bangladesh, there are several diagnostic facilities where patients can receive medical care. These diagnosis clinics, like the majority of sectors in Bangladesh, do not utilize advance techniques for keeping patient information, and there are practically any digital services offered. Therefore, everyone will profit if we can put in place a system that can take these things into proper consideration. Patients won't need to carry as many test results and medicines with them each time, and doctors will be able to correctly diagnose patients based on their prior medical histories.

Features & Their Description:

The website will first display the home page. There both registered and unregistered patients can view the doctor list, description & other facilities. Anyone can see the doctor's review and ratings too. Then the unregistered patients will find a sign-up option. A registered patient can access the following options:
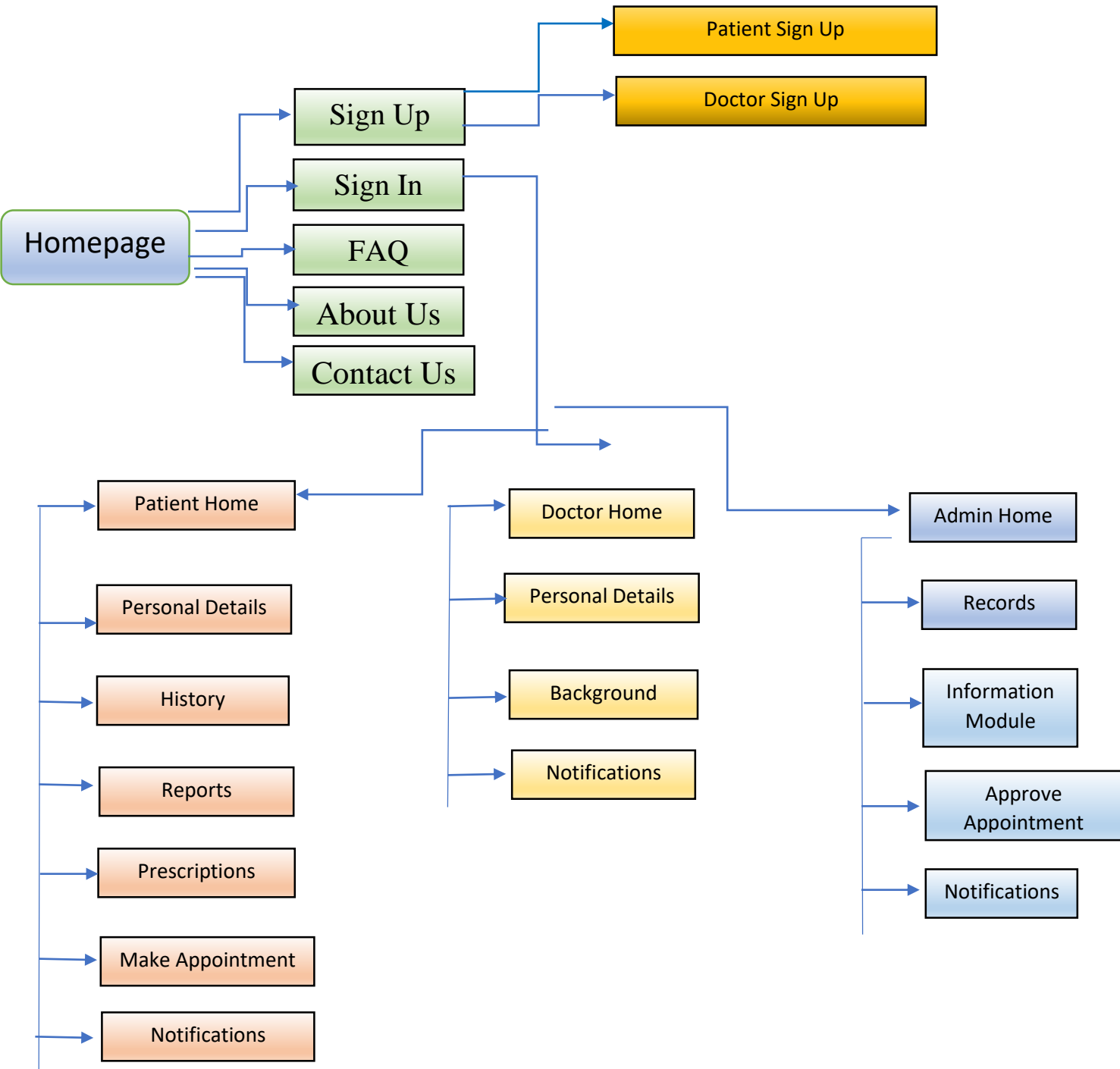
1. Making an appointment to visit a doctor.
2. A personal menu to view previous medical history and records from the same diagnosis center.
3. A menu to view pathology reports of the patient
4. A menu to view the previous prescriptions.
5. An option to upload the previous reports and prescriptions of the patient from a different diagnosis center.
6. Book an ambulance.
7. Add, update, and delete personal information.
8. A FAQ button for getting the answers to the questions frequently asked by the patients.

A doctor can access the following options:

1. Previous medical history and records of the patient.
2. Previous prescriptions of the patients.
3. Update the medical record of a patient who is visiting them.
4. Generate a new prescription.

Login with admin accounts will enable the admin panel to access the following options:

1. To see the administration view level and to control all over the system.
2. See the reviews from the patients and reply to them by accessing the feedback button.
3. The post, edit and delete button will enable the admin panel to upload, edit and delete patient and doctor information.

```
Homepage
  → Sign Up
      → Patient Sign Up
      → Doctor Sign Up
  → Sign In
  → FAQ
  → About Us
  → Contact Us

Patient Home
  → Personal Details
  → History
  → Reports
  → Prescriptions
  → Make Appointment
  → Notifications

Doctor Home
  → Personal Details
  → Background
  → Notifications

Admin Home
  → Records
  → Information Module
  → Approve Appointment
  → Notifications
```

Requirement Analysis:

Home page:

Sign Up:

Register as Patient:	Patient needs their email or phone number and new passcode to register.
Register as Doctor:	Doctor needs their email or phone number and new passcode to register. Doctors must given their degrees.

Sign In:

Whenever a patient or admin sign in with their email and password, they will be redirected to the corresponding account home page.

Term and condition:

It has all the conditions to sign up and also about membership in this website.

FAQ:

It has the frequently asked questions and their answers.

About Us:

It has the details about the Diagnosis facilities.

Contact Us:

It has the diagnosis center contact numbers and emails.

Home of patient:

1. Patient's personal details
2. Previous medical history of the patient
3. Reports and records
4. Prescriptions
5. Make appointments
6. New notifications

Home of doctor:

1. Doctor's personal details
2. Educational background(degree)
3. New notifications

Home of admin:

1. All the records of doctors, patients.
2. Add, Edit, Delete information
3. Send and view notification button.
4. Username, Password reset if requested by anyone.
5. Approve appointment

Tools and other resources:

1. **HTML**
2. **CSS**
3. **SQL**
4. **PHP**

Target Customer:

There will be three kind of customer for this management system
1. Hospital administration
2. Doctors
3. Patients

Challenges

The most challenging aspect of this project will be security. There will be a lot of users' personal information. So, how secure our system is a burning question to get answered. On the other hand, we must thoroughly understand the needs of patient, doctor, admin and ensure that everyone receives adequate service. Making the website extremely user-friendly. Understanding user demand is difficult at the moment and execute the system.

GANTT CHART

Diagnostic Management System

TASK	WEEK-01	WEEK-02	WEEK-03	WEEK-04	WEEK-05	WEEK-06
FRONT-END HTML	▬▬▬					
FRONT-END CSS		▬▬▬				
JAVASCRIPT			▬▬▬			
DATABASE DESIGN				▬▬▬		
BACKEND				▬▬▬		
DEBUG					▬▬▬	
FINAL CHECK						▬▬▬