# 

# **Health Care System**

SRS

Introduced By Group 21

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| version | Written by | Reviewed by | Approved by | date |
| 1.0 |  |  |  |  |
| 2.0 |  |  |  |  |

# 

# 

# 

# **Introduction**

## Executive Summary

Health-tech is a complete health care platform built to make it easy, smart and efficient way for doctors and patients. Both doctors and patients have profiles on Health-tech, it allows patients to know the best doctors in the field they need, easily make clinic appointment and easily order medicines from pharmacies as they got their prescriptions online.

## Document Overview

In System Requirement Specifications (SRS document), we specify functional and non functional system requirements in details, and provide more technical information.

## Abbreviations & Terminologies

## References

**12 Best Hospital and Healthcare Websites : https://www.intechnic.com/blog/12-best-hospital-and-healthcare-websites/**

# 

# System Description

## Introduction

### The system includes the following:

### **Doctor Account**

Doctors get account of their type, that account contains the complete information including, but not limited to, his personal information, contacts, and his medical career information and a rate given to him by his patients.

The doctor accounts also enables him to: create a personal profile, create a clinic page for clinics that he manages or works in, get in touch with his patients, access the clinic appointments anytime he wants, see updates from his patients, easily write medical prescriptions to his patients and follow up with them after clinic appointments.

### **Patient Account**

Patients get their accounts. A patient profile contains complete information about him, including his personal information that doctors need, his contacts, and medical history including all the previous appointments he made, and health conditions he previously suffered from. The patient account also allows the patient user to search for doctors and clinics, once he finds the suitable doctor he can easily get an appointment at his clinic, after the appointment, the patient usually needs care after the appointment and follow up meetings with his doctor.

### **Clinic Page**

Each doctor can create or join a page for a clinic he runs or works at, a typical clinic page contains contact information, address, doctors that work on it, time slots of medical appointments, Patient can directly reserve an appointment from the clinic page, patient can also know the available slots or the number of appointments right before his one in real time to save his time.

### **Appointment Management system**

Our website offers a system for managing the appointments, as the patient gets his doctor appointment. Doctor can instantly access patient information and all previous medical records to help him give the right and accurate diagnosis. During the appointment, doctor can add the diagnosis to the patient profile, write prescriptions for the patient that he easily can print out, prescriptions also will be added directly to his profile. When having a new appointment, it will be added to the clinic time slots, and to the doctor and patient calender to be able to avoid any time conflicts.

## System Architecture

## Users

### Patient

Any patient will be able to have an account to interact with the website and benefits from its services like: booking dates for examination at the doctor of his choice, Having a full list of doctors and clinics in every field so he can have a lot of options to choose from.

### B. Doctor

Any doctor will also have his own account in order to market for himself and establishes a profile for his own clinic so that patients can choose him, He can also organize his schedule of reservations and has an easier contact with his patients.

## Modules

### // maybe modified to be a table isa, and brief is to be added

1. Sign up & Login System:

In order for the doctor and the patient to benefit from the services of our site, All they have to do is to sign up and enter some basic information such as : Username, password, Mobile Number, Full Name, Gender, etc.

1. Patient Profile:

Each patient will have his own profile contains his personal information, His medical history, His reservation date and his prescription after examination.

1. Doctor Profile:

Each doctor will also have his own profile contains his personal information and his working field and he might be able to provide some information about his clinic or whatever he wants.

1. Clinic Page:

Each doctor will be able to establish his own clinic page So that he can put all the information in it such as: Name of the clinic, Field, Prices, Address, Available slots.

All this information will make everything easier for the patient to pick a suitable clinic.

1. Databases
   1. Users table:

We will have a table for the user Whether he is a patient or a doctor

This table includes the username and the password entered by the user .

* 1. Profiles table:

Includes details about the user   
Have records like ( status “doctor or patient”, name, address, bank account, ….etc)

Have relation with users table

* 1. Clinics:

This table includes fields (clinic name, address, phone, department)

* 1. Medical records (Patient Medical history):

this table will include details of prescription   
So this table has fields (doctor name, patient name, the department, the date of examination, description of health status, and the medicine)

This table will have a relation with profile table, appointments table, clinics table

* 1. Appointments records:

This table to show reserved and unreserved appointments so the patient schedule an appointment

Have fields (patient name, doctor name, date, more details)

## System Users

## A.Patient

Each patient will have a private account which will give him full access to all services in the website, Just by filling some basics information, the patient will be able to create his own account which is necessary so that we can guarantee a complete privacy to the patient and also guarantee him a simple and easy experience with our website, so for a patient to create his account, He has to enter these basics information like: Username, Password, Gender, Full name, Phone No, Email.. etc.

Once the patient fills this information, he’s be ready to start his/her experience with the website.

### B. Doctor

Each doctor will create his own private account which will contain all his public information that the patient should know about, It will also help the doctor to create an account for his clinic and put it on the website so that it will be easy to reach by anyone and that will make the process of reservation very simple and easy to everyone.

So the doctor has to do is filling a simple form which has some basics information like: username, password, gende, full name, date of birth, age , an active email , phone number ,address , medical major .

This information must be entered correctly and accurately as the patient will see them and know about the doctor so it is important to be sure before entering any piece of information.

## 