MINI PROJECT
(2020-21)

Hospitals Information Providing Website

Mid-Term Progress Report

Institute of Engineering & Technology
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Abstract

Nowadays, one of the most serious challenges is to provide proper medicine and treatment to the affected ones. In this one needs a system of getting proper and correct information about their nearby hospitals and clinics so that one can cure himself in his best available time and place.

This project is a healthcare website system for managing all aspects of medical convenience such as providing location of hospitals , availability of ambulances , number of beds available,contact details of hospitals and much more information can be fetched through this website.

This convenient system of working will take all the major concerns and helps in smooth functioning of the system which in turn leads to better consequences and creates a better coordination between both patients and doctor.

This system's backend is constructed using PHP and MySQL to ensure a reliable database and its front-end is designed using HTML5, CSS3 and JS to provide proper connectivity and user-friendly interface.

Introduction

1.1 General Introduction to the topic

This project was undertaken in response to the need for searching hospitals in the user required location in Uttar Pradesh for the ease of taking medication within a short interval of time .The team addressed this problem by investigating the scenario of medical convenience nowadays. So,this project not only provides the location of hospitals in required areas but also provides:

- "Which hospitals are specialized in which medical stream", so searching a hospital in stream would be much easier.

- In this corona pandemic situation, searching beds in different hospitals is a time consuming task that is very harmful for the affected ones.To overcome this problem our project also provides the number of available beds in different hospitals.

- This project can also help users in taking appointments with the doctor.

- Extra details about hospitals will also be provided via this project like availability of ambulance, contact details of hospitals and many more.

Need for Health Care Website-

Nearly 80 percent of all internet users have searched for medical and health information online,according to research center study healthcare, websites need smart,helpful,and high quality design.

Key Features:-

* Clean and simple designing with easy navigation
* Mobile Compatible
* Robust Website
* Digital Accessibility
* High Quality Imagery
* Secure Communication Channels

1.2 Area of Computer Science

Computer Science addresses both human-made and natural information processes, such as communication,control,perception,learning and intelligence. Here in the project the area of computer science is "Health and Wellness". The project aims to synthesize goal-oriented processes such as problem solving,decision making,communication and to solve time consuming tasks.

Health and Wellness sector is growing very fast day by day,According to Deloitte Services and Center for health solutions : "There are huge opportunities in this area through technology and behavioral economics and design elements.

Here are some of the most popular applications of “Health & Wellness” being explored today.

1.) QSS Technosoft
2.) Peerbits
3.) Octal Software
4.) Appinventiv
5.) OpenXcell

6.) Eeinvently

1.3

Hardware Required:-

➢ Personal computer with internet connection
➢ i3 Processor Based Computer or Higher
➢ Memory: 2 GB RAM(Minimum)
➢ Hard Drive: 5 GB(Minimum)
➢ Active Internet connection provider Wi-Fi Module

Software Requirements:-

➢ Windows 8 or above versions
➢ Visual Studio Code
➢ Brackets and Xampp Server
➢ Adobe XD and Web Browsers

2. Problem Definition:-

Almost four million people miss their urgent medication and medical appointments every year due to a lack of reliable data and knowledge of different hospitals. To address this challenge,healthcare access and quality for Medicare recipients should be improved. So to overcome this problem an application is required through which users can fetch each and every details regarding treatment from hospitals via their digital devices.

3. Objectives:-

Objective is to deliver the project which will improve the quality of healthcare access for medicare beneficiaries. It is a hope to leverage ease of convenience for medication for everyone.

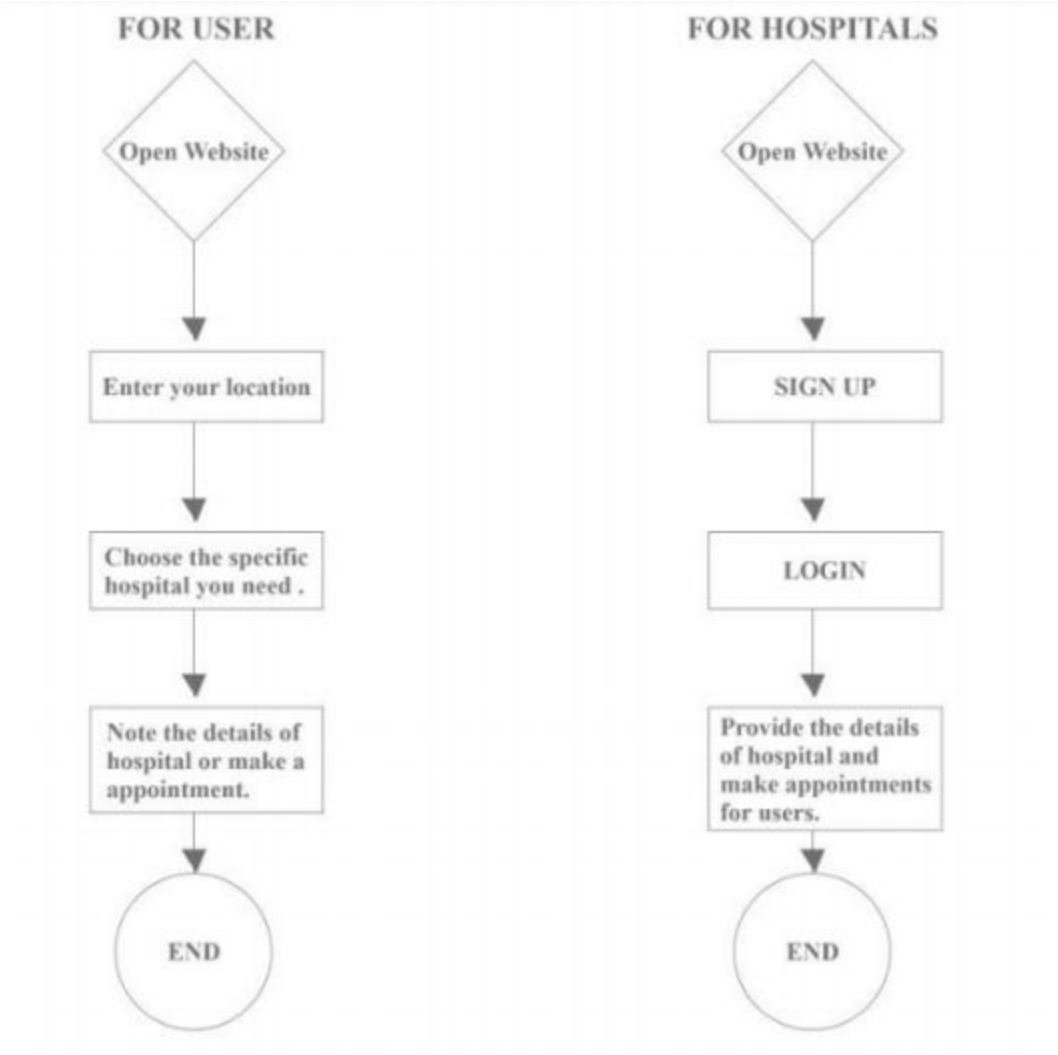
Methodology

Project Research:-

The implementation, understanding and testing stage are primarily the most important part because we analyse here and set the road ahead for the entire project.
Firstly, we understand the process of how our web pages are going to work for which we're creating a website and generate ideas for how it's structure and flow should appear and function

Methodology is different for users and hospitals. User doesn't need to sign up to fetch the details, he/she can easily specify the required location and fetch the details of the hospital or can make appointments while the hospital needs to sign up once. After signing up, hospitals can login to provide or update details and make appointments for users.

Software Design And Structure



This pictorial representation shows the basic flow of our webpages on our website.

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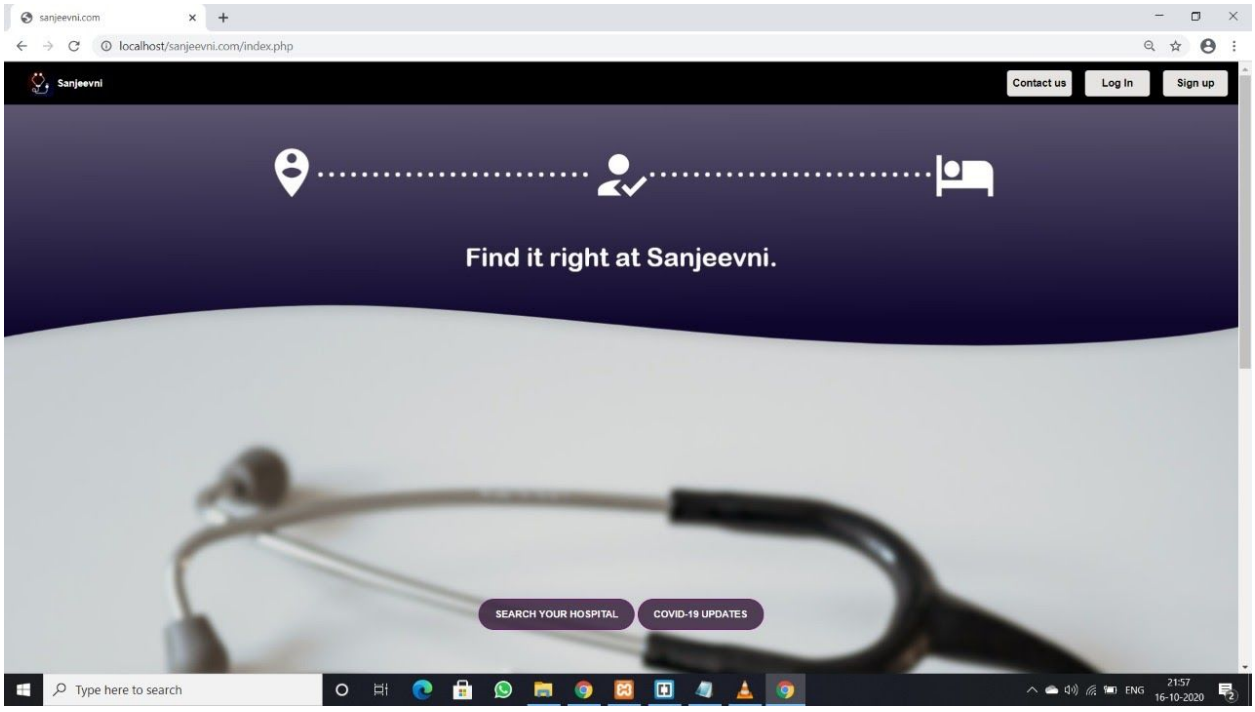
4. Implementation Details:-

4.1 Description

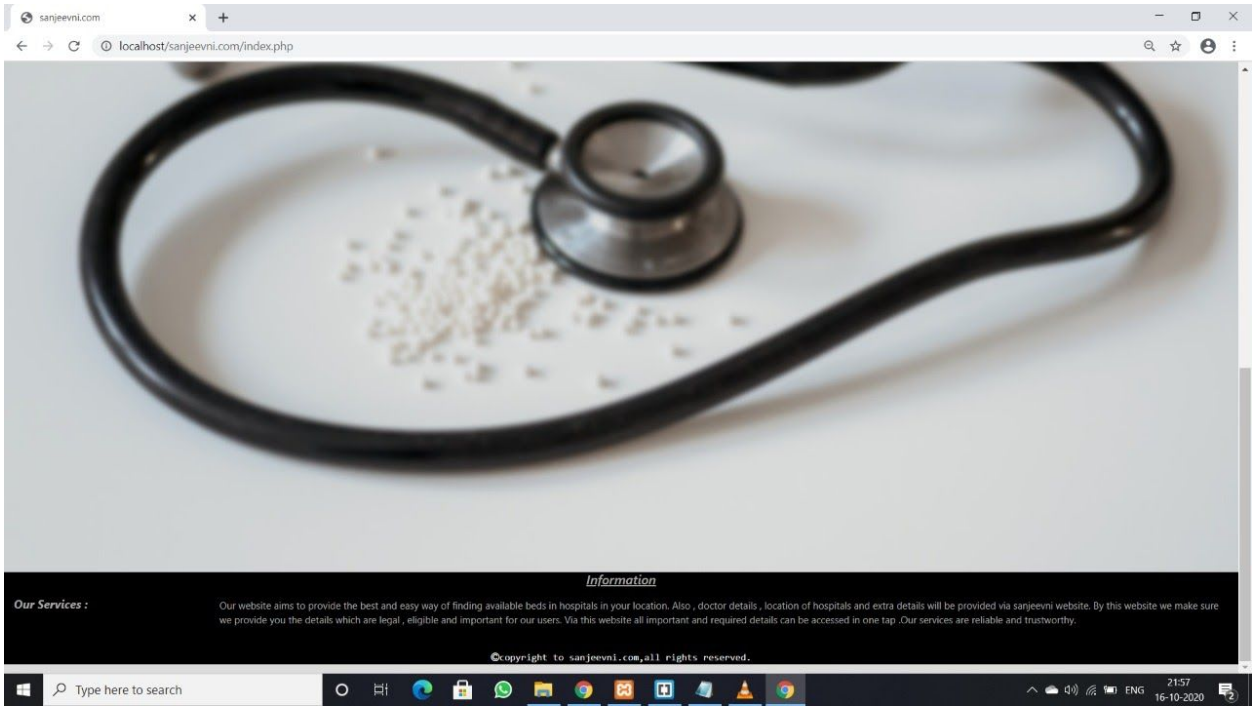
- To implement homepages in an efficient way
- To enable users to add their details in website
- To enable users to maintain and update their details (i.e name,password) complete login/sign-up process
- To enable on-click search of nearby clinics and hospitals.
- To implement on-click covid-19 updates

4.2 Description Regarding Software

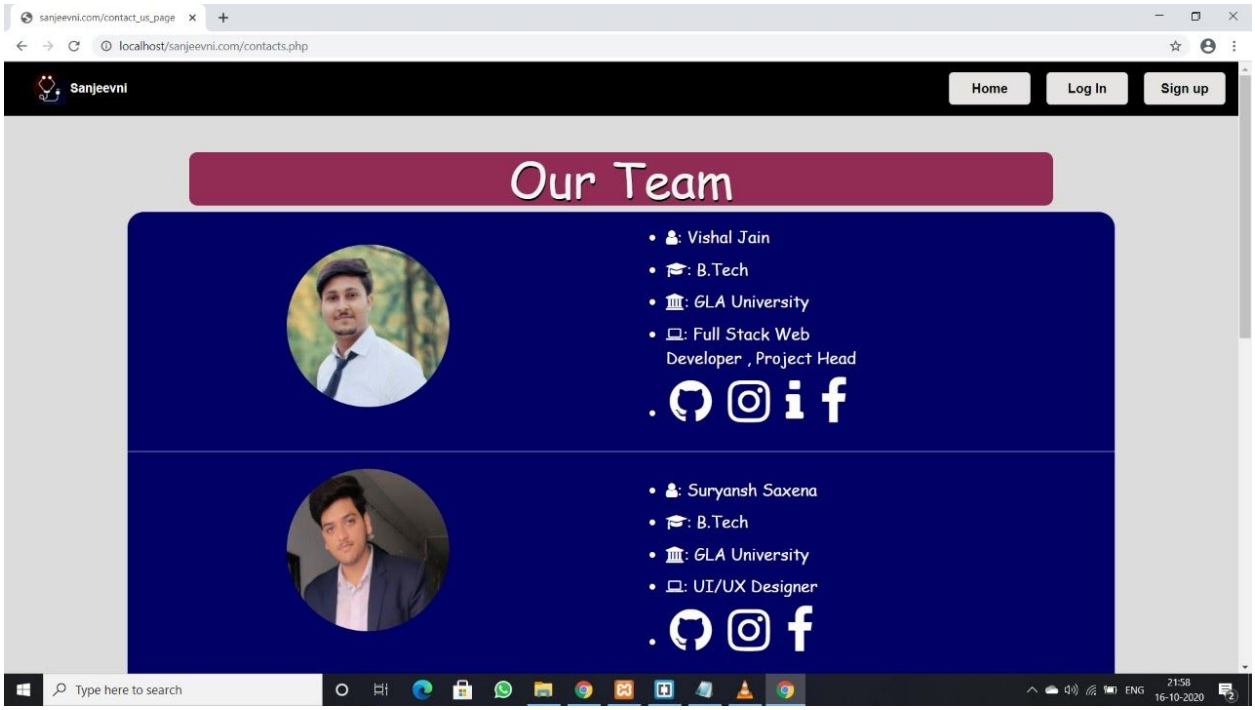
1. Start Panel - This is the home page of our web.



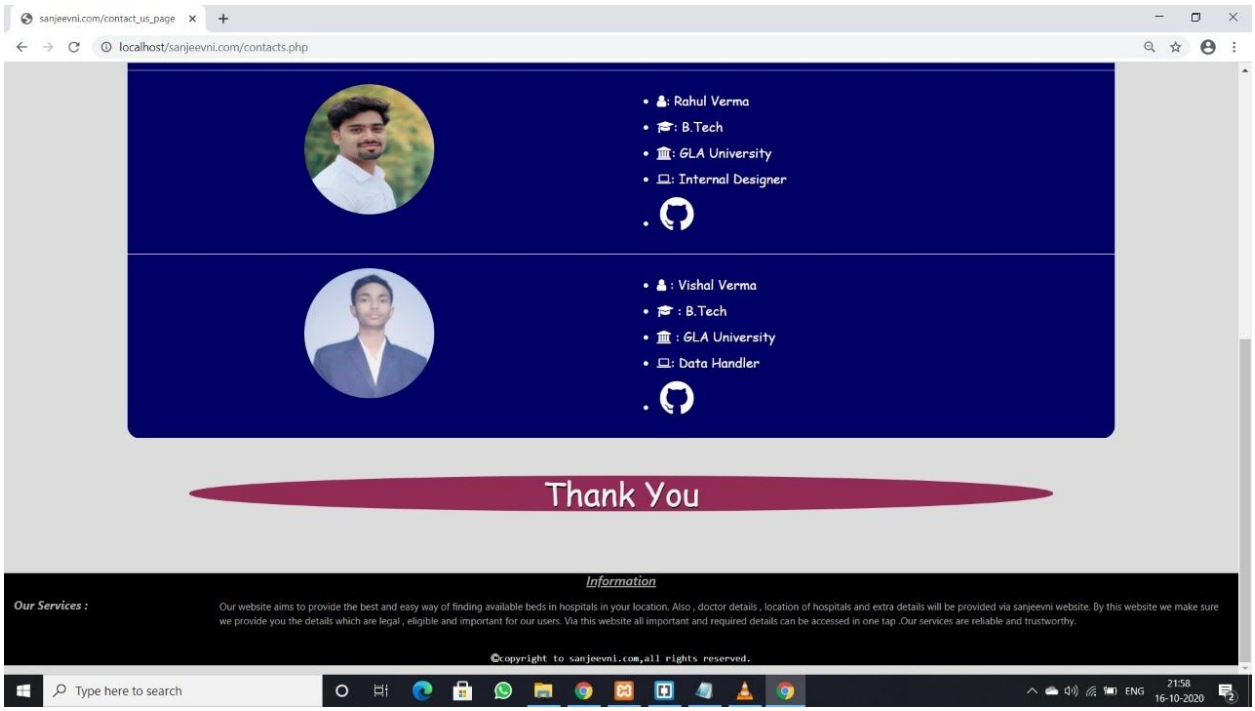
2. Second home page



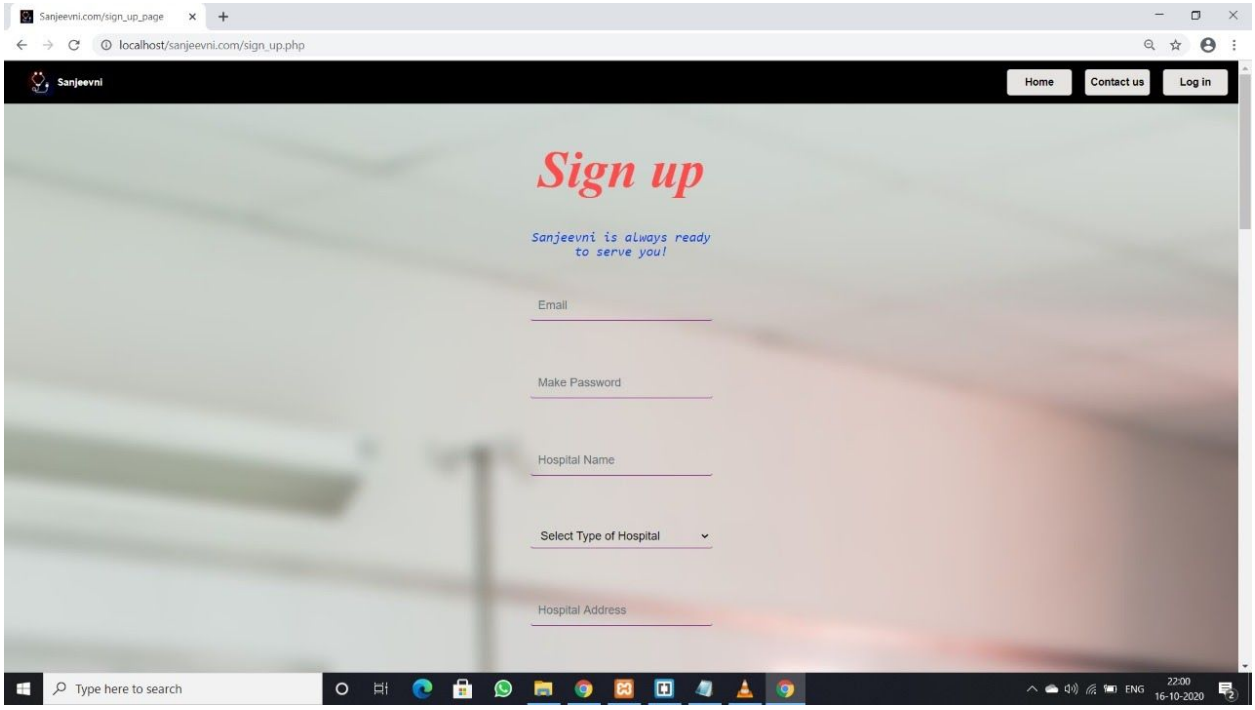
3. This shows our first contact page



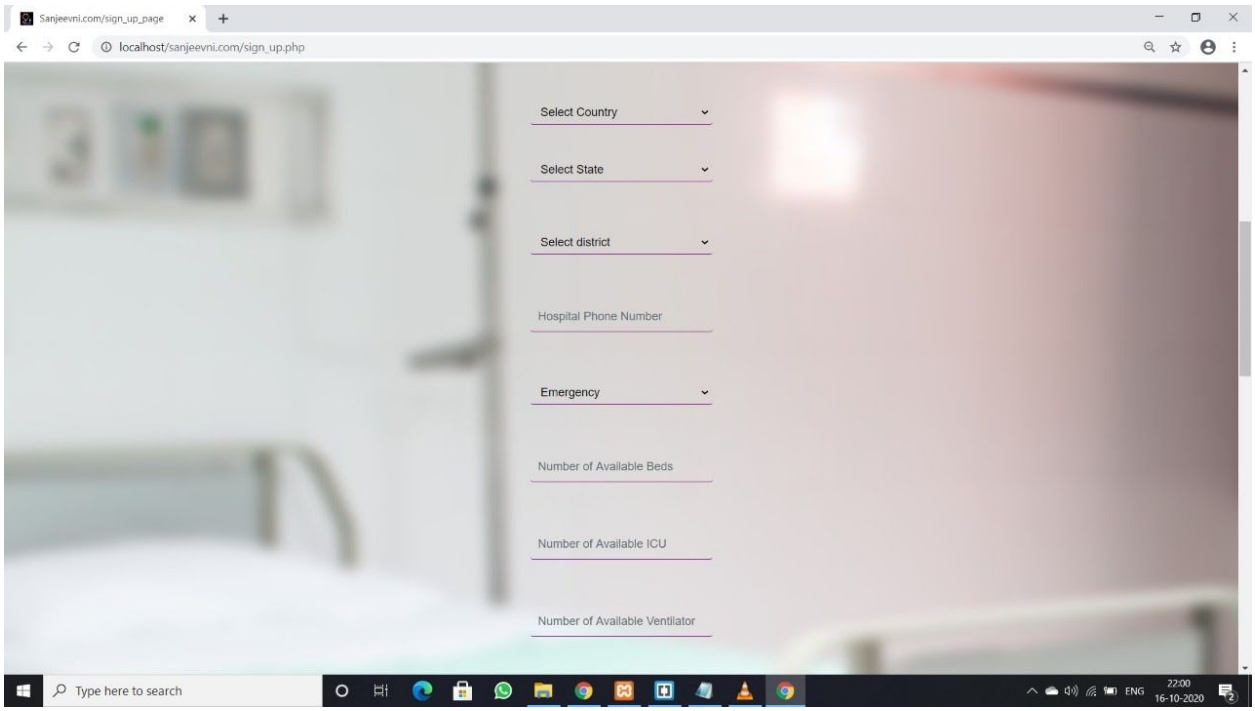
4. Contact page 2



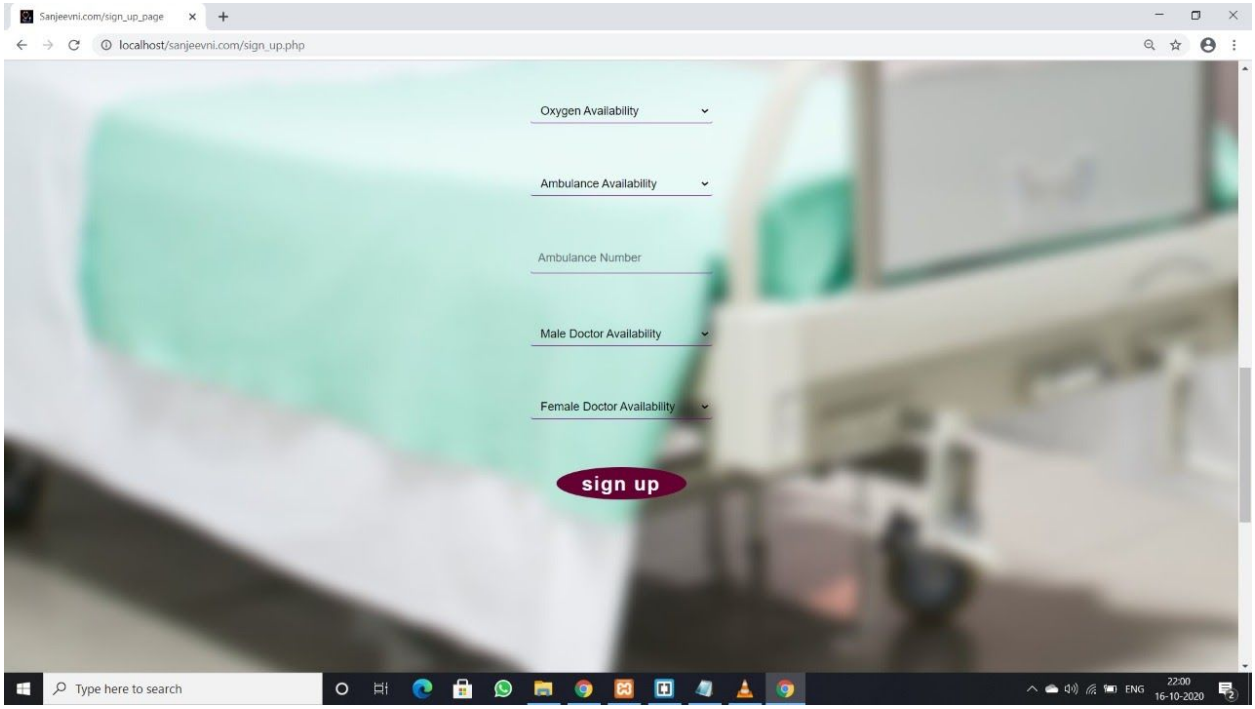
5. Sign-Up



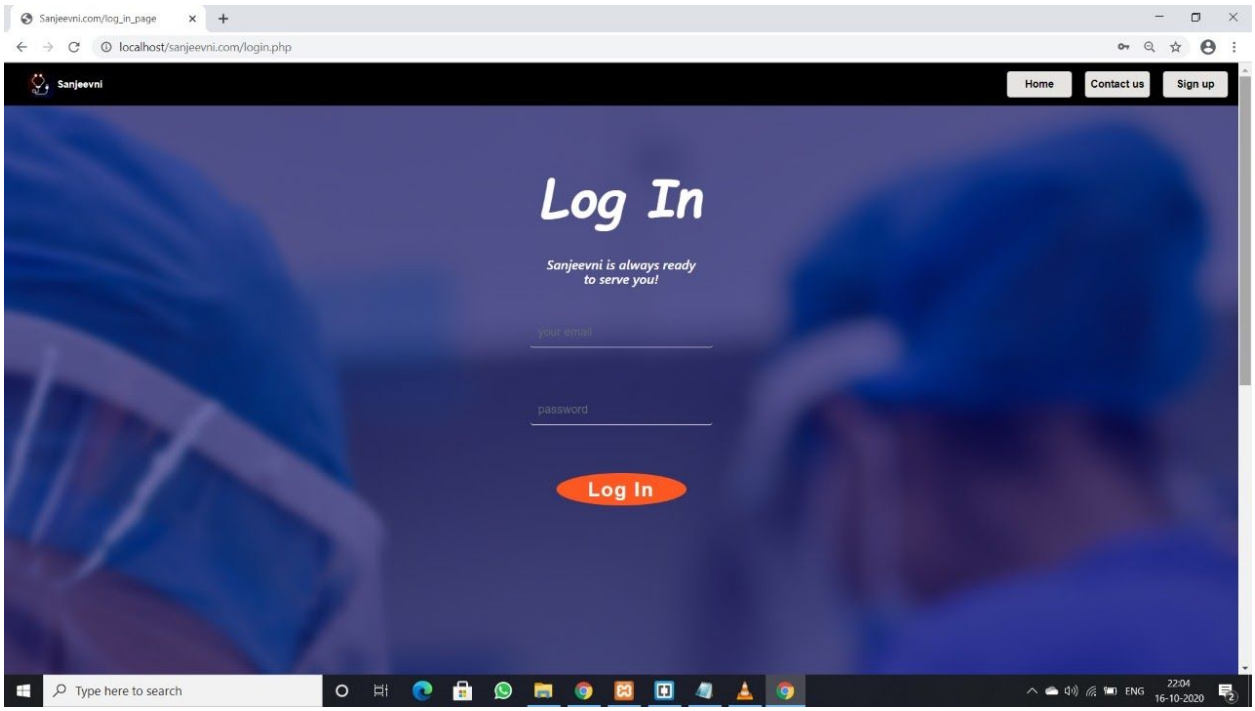
6. Sign-UP page 2



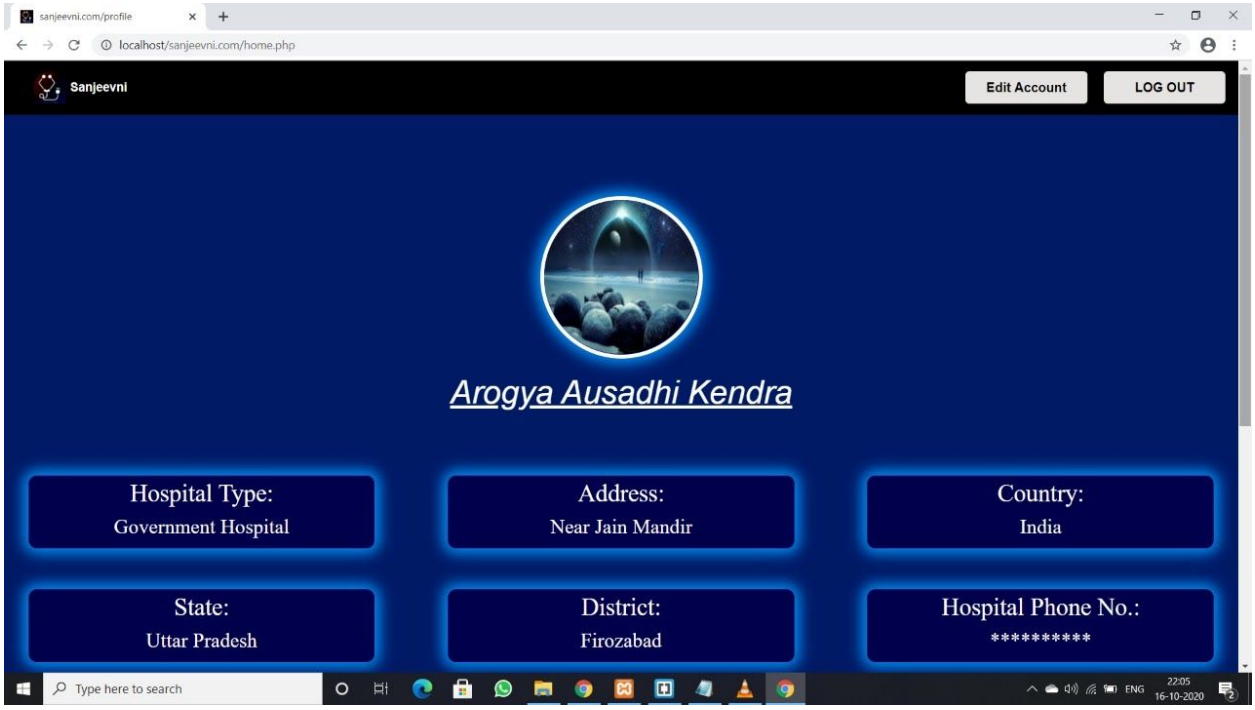
7. Sign-Up 3



8. On-click login page

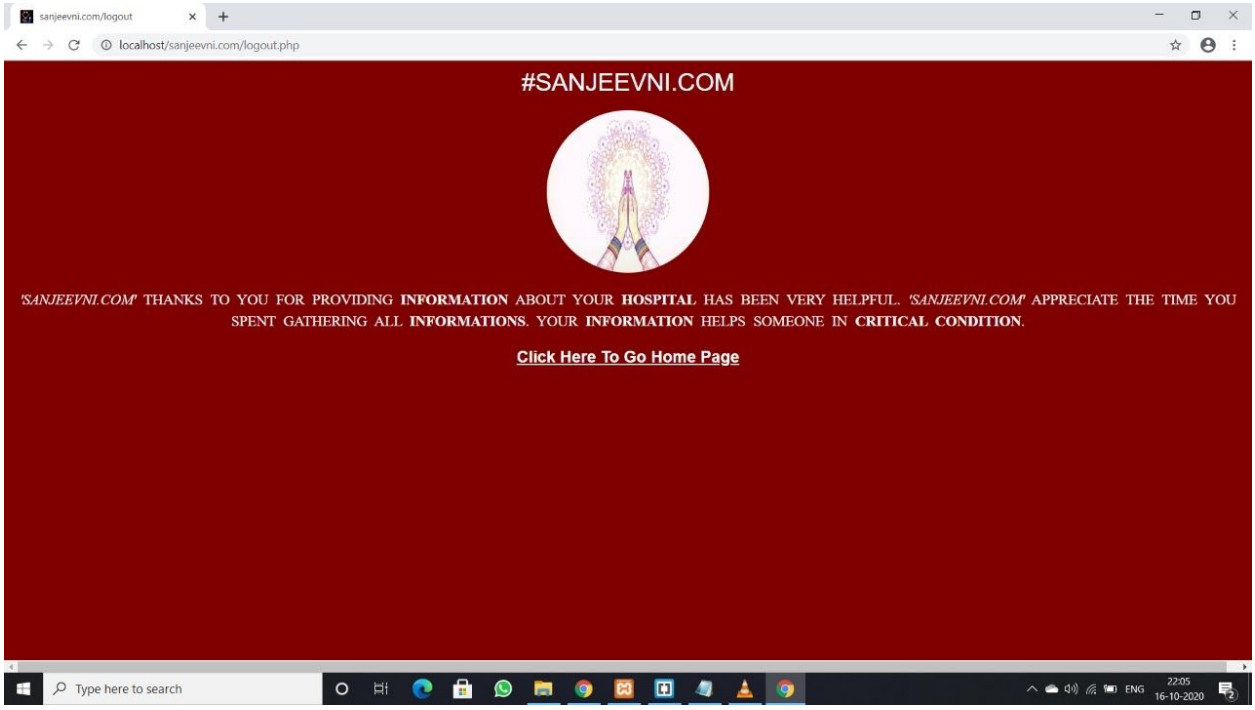


9. After login profile page 1

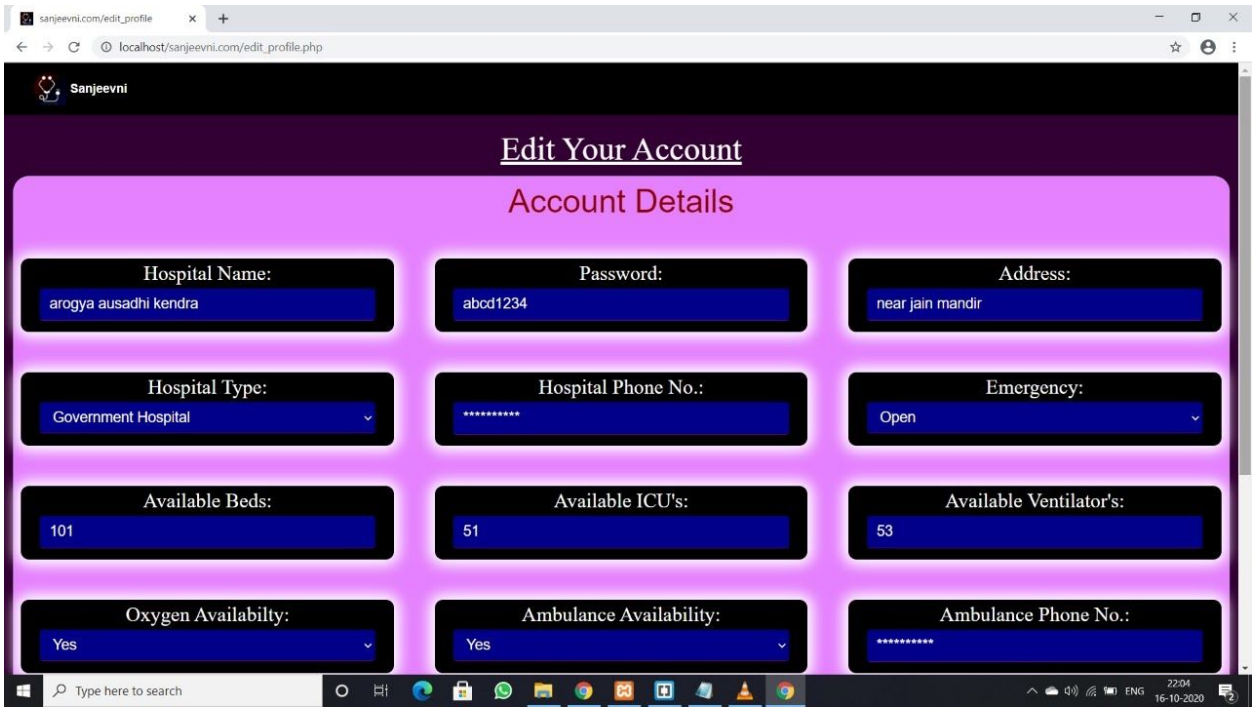


10. Profile page 2

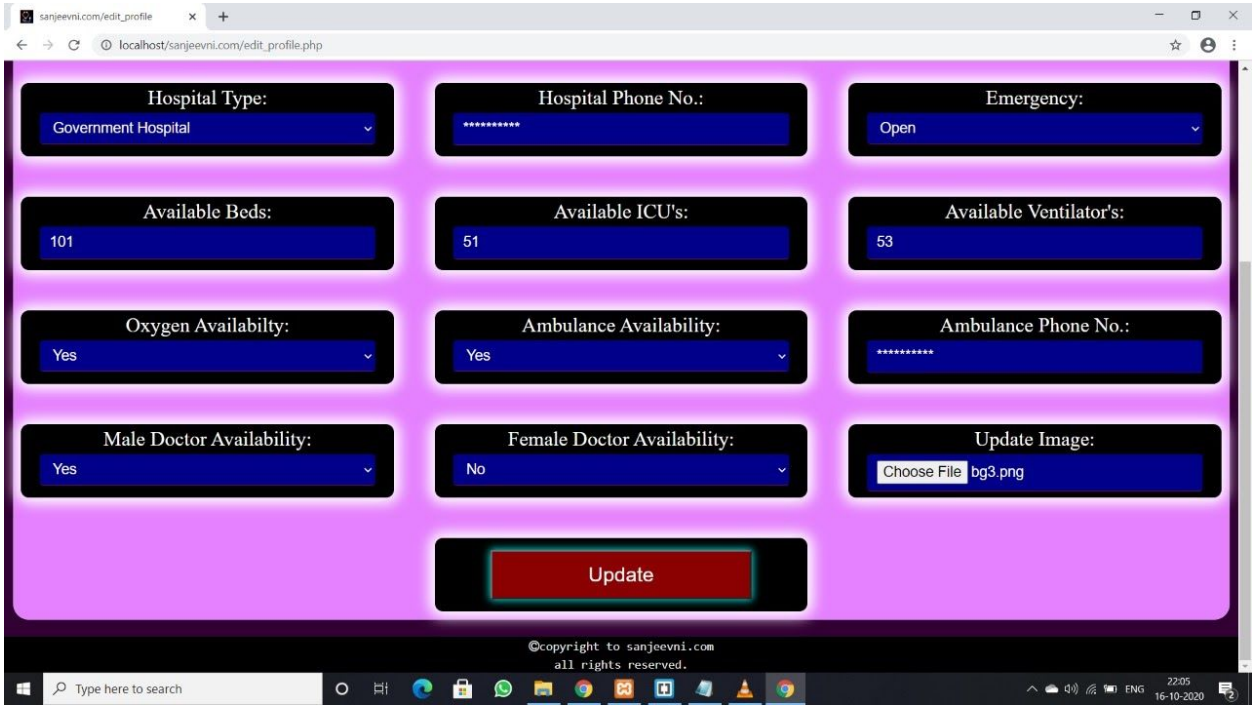
11. On-click Logout page



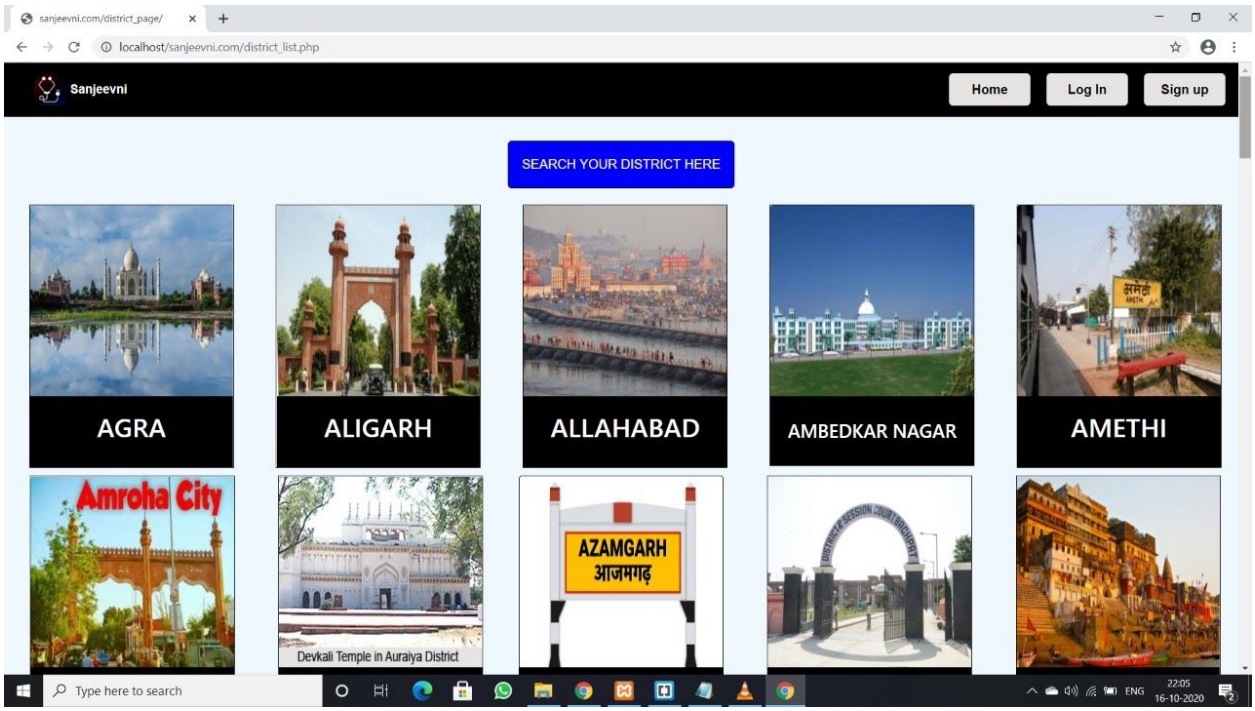
12. On-click edit your profile page 1



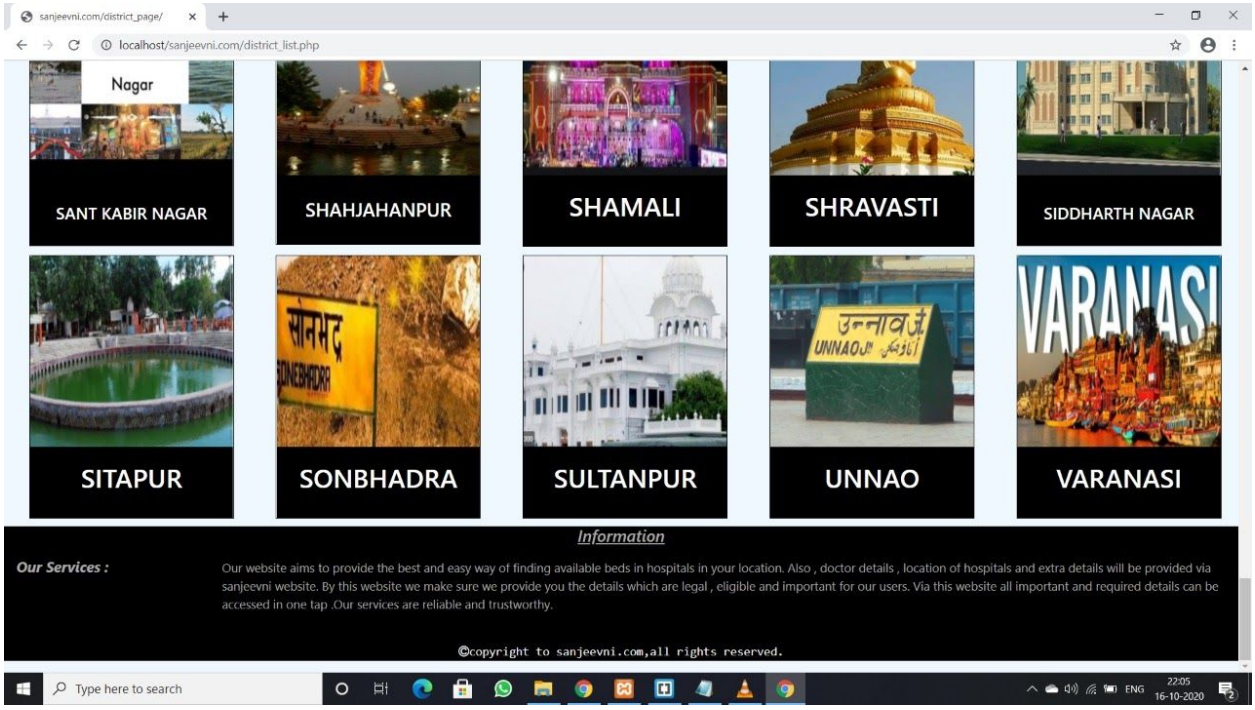
13. Edit profile page 2



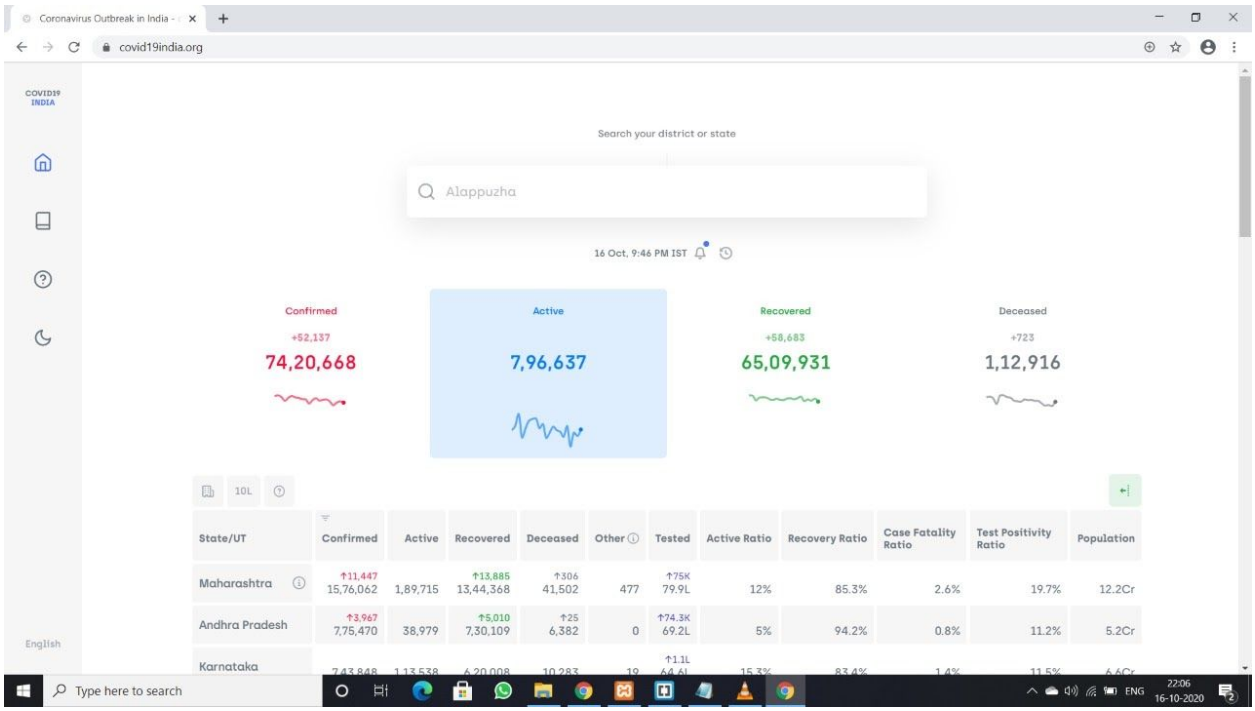
14. On-click search your hospital 1



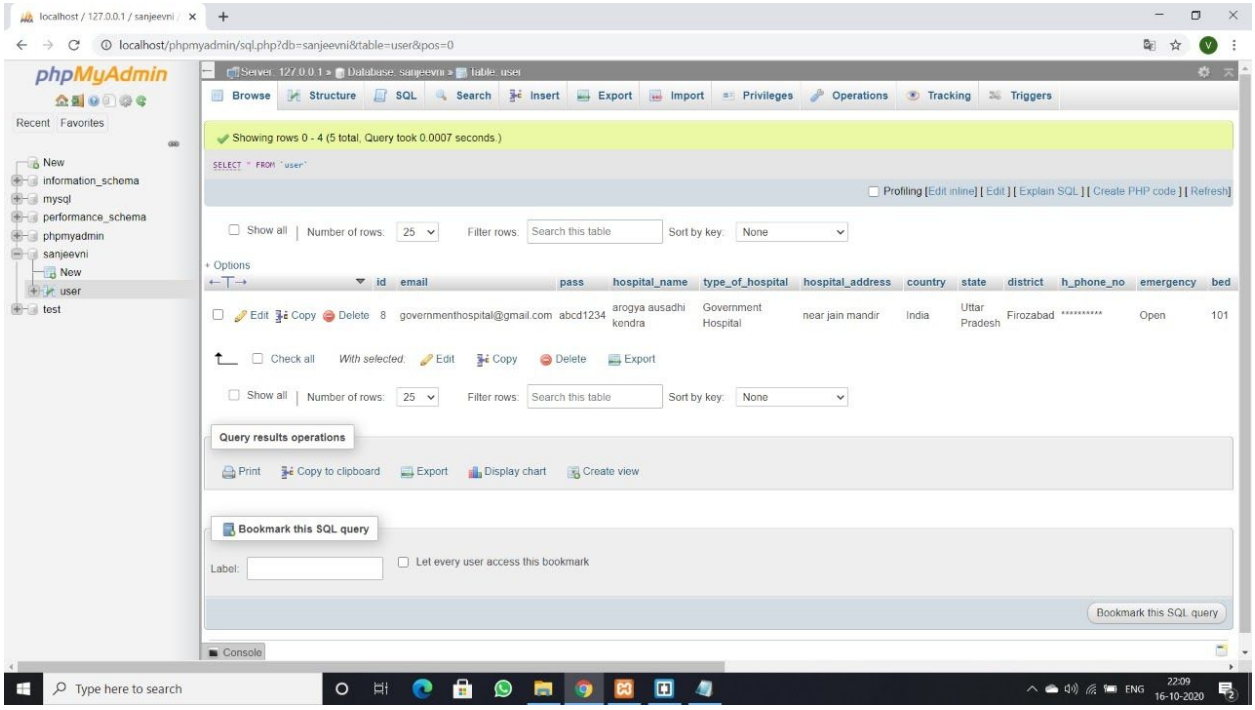
15. Search your hospital page 2



16. On-click covid-19 updates page



17. Xampp server database



Project Links:-

>> Repository link:

https://github.com/vishal8433/sanjeevni.github.io

5. Progress till date & The remaining work:-

Till now our project Start panel , landing page,login/sign-up page,contact page,profile page(along with editable profile page),logout ,searching hospital web pages i.e complete front -end work has been developed. Along With database work including back-end login/sign-up has been done till now , just data implementation on the district page ,final cover up with testing phase of our project ,chatbot designing ,Blood bank acceptors and donors datalist web pages has been left.

6. Contribution Summary

The project will be completed by 4 members of the team. So,their contributions are:

- ★ **Vishal Jain:-** Front-end of website landing page,hospital login,sign-up page,website contact page,hospital profile page, hospital editable profile page,hospital logout page with complete Back-end of website, report file of project and project leader

- ★ **Suryansh Saxena:-** Front-end of district list page,chatbot (data collection and front end designing), UI designing of landing page as well as of hospital login/sign-up page and synopsis with report file of project

- ★ **Rahul Verma**:- Front-end of blood bank login page,blood bank sign-up,login,profile page,editable profile page and logout page with chatbot backend designing and report file of project

- ★ **Vishal Verma**:- Front-end of blood donors login page,blood bank sign-up,login,profile page,editable profile page and logout page along with collection of all data regarding website,and presentation,mid-term report and report file of project.

7. References:-

- **Wikipedia**: *"Computer sciences" redirects here* https://en.wikipedia.org/wiki/Computer_science#:~:text=In%20addition%20to%20these%20four,systems%2C%20and%20numerical%20and%20symbolic

- **TINE**: *“Top Hospital quality problems and how to solve them” redirects here* http://tinehealth.com/2017/07/24/top-hospital-quality-problems-and-how-to-solve-them/#:~:text=Competition%20from%20other%20healthcare%20facilities,Revenue%20cycle%20management

- **TUTORIAL: “***Website front-end css tutorial link” redirects here* https://www.w3schools.com/css/