

# INNOVATIO'23

Thing outside the box code inside the line!!

<b>Problem Statement</b>	: IN0015 - Student Innovation
<b>Statement Title</b>	: MednFo – Healthcare Assistant
<b>Team Members</b>	: Vijay L (TL) Sedhuragavan M Sri Paul Daniel L Thirukumara D

## **Statement:**

Despite the availability of healthcare services online, many patients still face difficulties in finding suitable doctors, hospitals that meet their specific needs. Additionally, finding affordable medication and booking appointments can be a cumbersome process. Therefore, there is a need for a user-friendly healthcare website that provides efficient and convenient services to patients in finding healthcare providers, comparing pharmacy products and booking appointments.

## **1. Proposed Solution**

We proposed the development of a comprehensive health care website that offers a user friendly interface, efficient search functionalities and reliable appointment booking services. Our website will feature different sections such as Home, Doctors, Hospitals, Emergency (Places), Treatments, Pharmacy (Medical). In Doctors module / section, the can able to search for doctors based on their specialization and location. They can filter their search based on different criteria, such as ratings, availability and it includes their experience and consultation fee.

The hospital section will provide user with a list of hospitals in their area. They can filter the search based on the hospital's facilities, ratings, distance from their location. The search results will display the hospital's profile, including its address, contact details, infrastructure and services.

In the treatment section, users can search for different medical treatments and procedures. They can view information about each treatment, such as its benefits, risks and costs. Our website will also provide a list of hospitals and doctors offering the selected treatments. The user can also book appointment through the doctors, hospitals and treatment section, depending on their requirements. They can select the date and time of their appointment and receive confirmation and other details through messages.

The pharmacy section will allow users to compare the prices of different products offered by local area pharmacies. They can filter the search based on the product's name, brand and price. It will provide a list of pharmacies offering the product with the lowest price and located nearest to the user.

## **2. Technologies Used**

- ◆ Node JS
- ◆ HTML
- ◆ CSS
- ◆ JS
- ◆ Mongo DB
- ◆ Firebase
- ◆ Bootstrap

## **3. How is our solution is different from other solutions in market.**

Our proposed solution offeres several key differences from existing solutions in the market:

### **1. Database :**

Unlike existing websites, that only focus on their own hospitals, our solution offers a comprehensive database of all hospitals, pharmacies, doctors from various departments and emergency ambulance services in a given area. Because of that, the user have access to much wider range of healthcare options, which can help them make more informed decisions about their queries.

### **2. Advanced search functionality:**

Our solution offers advanced search functionality that allows users to find their search results based on a wide range of criteria, such as location, specialization, availability and cost. This means that users can easily find the healthcare options that best meet their needs.

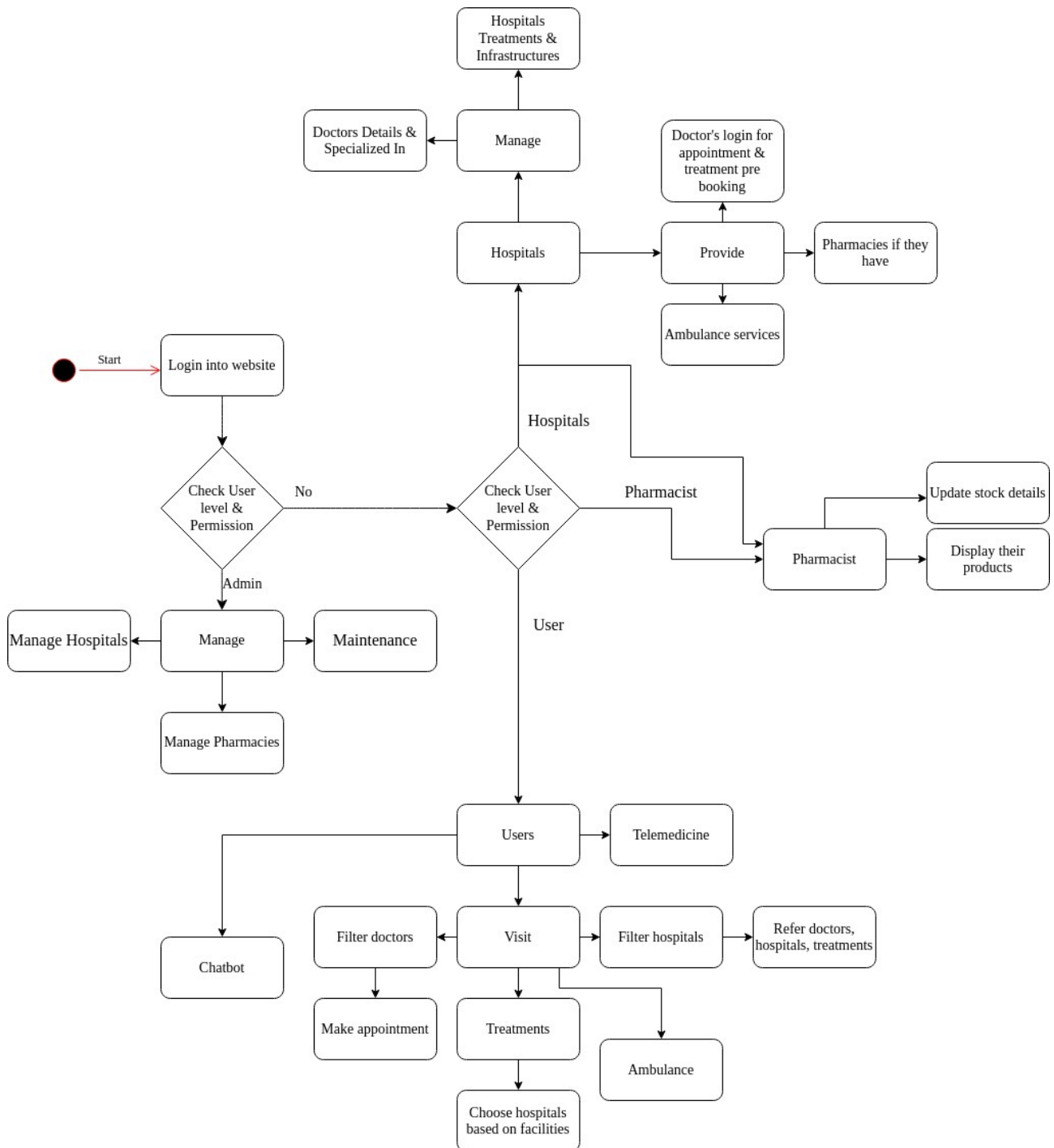
### **3. Pharmacy Comparison:**

Using Jinglebid concept, our solution compares prices and availability of products from multiple pharmacies in real-time, and displays the results to users in an easy-to-understand format. This allows users to quickly find the pharmacy that offers the lowest prices on the products they need, as well as the pharmacy that is closest to their current location.

### **4. User friendly interface:**

Our solution offers a user friendly interface that is easy to navigate and understand, even for users who may not be tech-savvy. This means that users can quickly and easily find the information they need, without having to spend time learning how to use the website.

#### 4. Flow Diagram for solution



#### CONCLUSION

In conclusion, the proposed solution is a comprehensive healthcare website that offers a user-friendly interface, efficient search functionalities and reliable appointment booking services. It will help users find suitable healthcare services and products and enhance their overall health care experience.