



First Choice Hospital

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Project Description

The reason that we wanted to create this system is our desire to make a navigation system that our users will find easy to use every time that they need to find a place or when they don't know the route to a specific location. All the data that will be filtered and integrated in this web based app will be available all the time to users.

This system is dedicated to hospitals where each user can access the web app to find the hospitals that are closest to their location.

In this document we will describe the functional and nonfunctional requirements that our team has worked and has chosen as the right requirements for the system to be successful.

Requirements

I. Functional Requirements

1. The system must provide a list of the country's hospitals.
2. The system must provide options for sorting the list of hospitals that are located near the location where the user is located.
3. The system must ask the user for permission to access their location.
4. The system automatically must find the user's location if permissions are granted.
5. The system must provide an option for selecting a certain hospital and showing its location on a map, showing its name and address.
6. The system should allow the users to search hospital names.
7. The system should have good response time when the user requests data.
8. The system should display a map with all the hospitals at the city level.
9. The system should be available in a web base app.
10. The system should provide a distance between users location and selected hospital location.

11. The system shall provide a path between users location and selected hospital location.
12. The system shall allow the registered companies to share their ads.
13. The system shall keep all data of the user private and secure.

II. Non Functional Requirements

1. The system must be available 99% of the time.
2. After accessing the application the front page must be displayed not later than 2 seconds.
3. If an issue arises in the system, then the project must be programmed in such a way that the issue gets logged.
4. The system must be functional again within an hour if the crash occurs during working hours.
5. All the data in the system must be accurate and reliable.
6. The system's data on the interface must be in Italian.
7. The system's data on the interface must be in English.
8. The system should display the nearest hospital within 7 seconds.
9. The system should have a proper data backup mechanism.
10. The system should contain a security and privacy policy.
11. The system should be updated at night between 02:00 AM and 03:00 Am.
12. The system shall run successfully on all platforms.
13. The system shall support hundreds of users simultaneously.
14. The system's user interface shall contain re and white colors.