



CareCompass



Find Hospitals near you with one tap



Problem

As the 'information' increases, the filter between correct and wrong blurs, and with a plethora of misinformation, it's hard to find correct recommendations, be it a service or knowledge

The aim is to organise information for a selected field and provide a service for user to search through.

Proposed Solution

CareComfort utilises already available data from the net (google maps), and merges that with its own database.

It also allows service (Hospitals) to register themselves on the website.

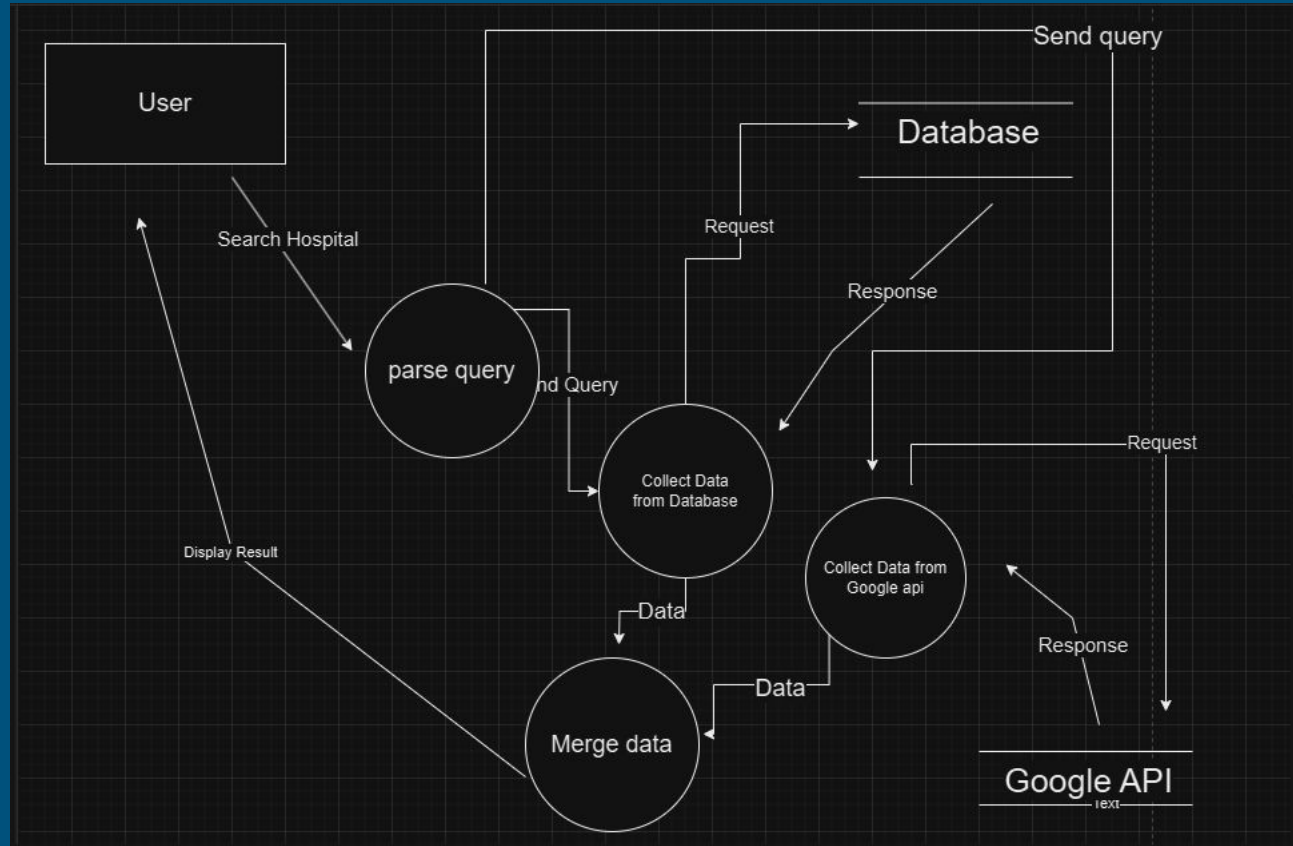
User can then browse through this data with the help of a Search feature and can also filter as per their requirement.

Features Proposed

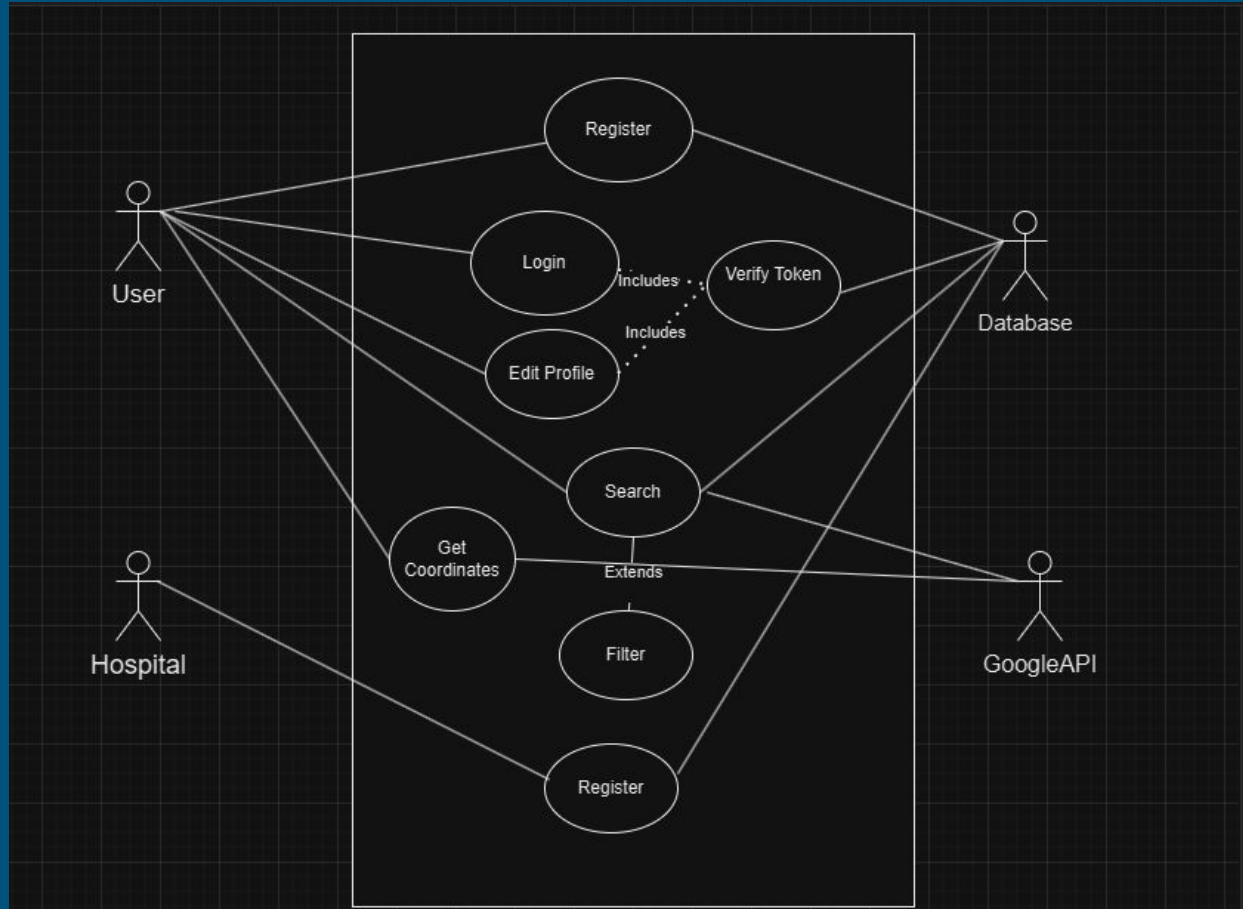
1. Allows user to log in and register (Achieved)
2. Allows hospitals to register (Achieved)
3. Allows user to search through hospitals and view detailed information(Achieved)
4. Integrate google api to fetch hospitals from the web with real data (Achieved)
5. Allow user to save hospitals and view them in profile page (UI done, functionality incomplete)
6. Allows user to write reviews on a hospitals and shows other reviews(UI done, functionality incomplete)
7. Allow user to book appointment in desired hospitals(incomplete)

The Data flow

Level 1 DFD



Use case Diagram displaying components



Technologies

Frontend: JavaScript, React.js, React Router, React-router-dom(for routing and page protection and to load skeletons), Axios (for api requests)

Backend: JavaScript (ES6+), Node.js, Express.js (for RESTful API development) , Prisma (mongodb model) , JSON Web Tokens (JWT) for secure authentication

External APIs: Google Places API (for fetching hospital data based on location, getting coordinates and displaying Map and Pins)

Acheievment

Learned the basics of MERN stack and how to make a fully functional website.

Learned the interaction between each component in a medium scale application.

Learned how to make apis and to use External apis and integrate that with external data.

Created a functioning Search feature for hospitals which supports some filters.

Created and learned successful authentication and authorisation for user.