Project Requirements

List of Requierments

1. **User Authentication:**

   • Users can log in and log out of the application.

   • Sessions are managed to maintain user authentication.

2. **User Roles:**

   • The application supports different roles (e.g., admin, client).

3. **Client Functionality:**

   • Clients can access their home page.

   • Clients can navigate to another page to select symptoms of the sick

   • Clients can view all the Hospitals with their google maps urls depending on the symptoms selected by the user

4. **Admin Functionality:**

   • Admins can view a list of all clients.

   • Admins can update symptoms.

   • Admins can view a list of all symptoms.

   • Admins can view a list of all Hospitals.

   • Admins can update hospitals

5. **Search Functionality:**

   • Admin can search for specific items (Hospitals in a list)

6. **Pagination:**

   • Lists are paginated to display a limited number of items per page.

7. **Report Download:**

   • Admins can download a complete report of all Hospitals.

8. **Logout:**

   • Users can log out of the application.

9. **Exception Handling:**

   • Handling exceptions during file uploads or other processes.

Purpose of the Project

The HealthCare Locator System is there to help the sick get immediate attention when they face a sudden problem, so that instead of waiting for an ambulance, those around can use the application and get the nearest Hospital that will treat the indicated symptom of the sick. Key objectives include:

User-Friendly Management:

   Provide a user-friendly interface for clients and administrators to manage their respective tasks.

Data Organization:

   Organize and store information systematically.

Task Automation:

   Automate common tasks such as updating information and handling hospital requests through indicated symptoms.

Reporting:

   Generate a comprehensive CSV report of all Hospitals for administrative purposes (downloadCSV).

Expected Outcomes

Increase in Efficiency:

Clients and administrators should experience increased efficiency in asking, providing and receiving services.

Enhanced User Experience:

Users should find the application user-friendly, resulting in a more positive overall experience.

Administrative Oversight:

Admins should have the tools needed to manage the entire system effortlessly.

Increased Productivity:

The system should contribute to increased productivity in industry - related activities.

Constraints or Limitations

Size:

The current version of the system focuses on basic functionalities.

Security:

While basic authentication is implemented, additional security measures may be required for a production environment.

Dependency on Internet Browser:

The system's accessibility relies on internet browser and it being compatible.