Google Developer Student Clubs
G.L. Bajaj Institute Of Technology And Management

DEV-ON

GL BAJAJ Institute of Technology & Management
FIND YOUR SPARK
Approved by AICTE & Affiliated to AKTU

College Name: G.L Bajaj Institute of Technology And Management

Team Name: Chrometheus

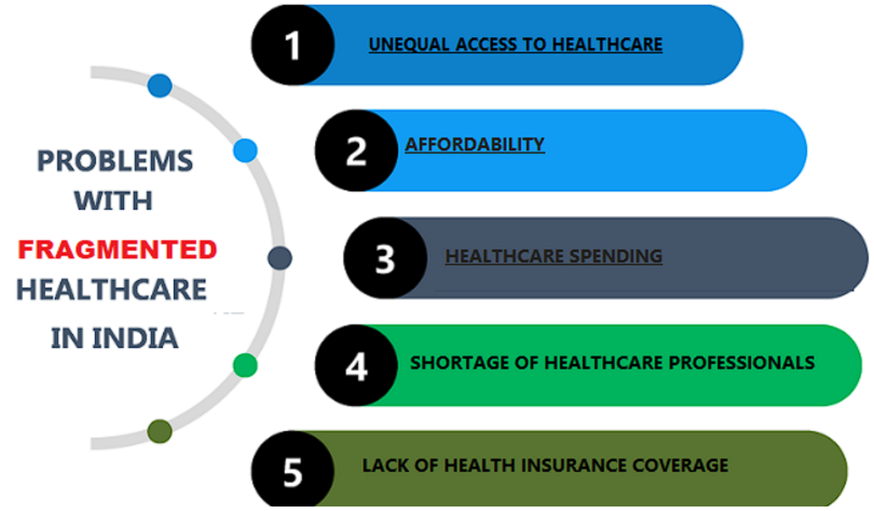
Team Leader Name: Mansi Goel

Team Members Name: 1- Ayush Kumar
2- Mansi Goel

Theme: HealthCare System

DEV-ON

Problem Statement



- **Data Security and Privacy Concerns:** Safeguarding sensitive patient information from unauthorized access.
- **Integration of Diverse Technologies:** Integrating various technologies, such as AI, IoT, and telehealth, into a cohesive system.
- **User Adoption and Training:** Ensuring healthcare professionals and patients adopt and use the new technologies effectively.
- **Scalability Challenges:** Adapting the project to accommodate growth and increased demand.

DEV-ON

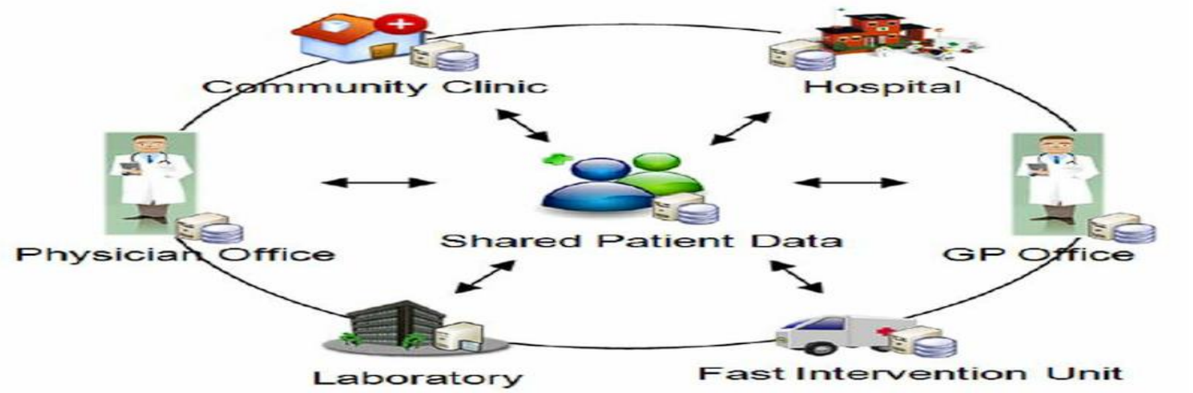
Solution

- **Data Security and Privacy Concern:** Implement robust encryption protocols, regular security audits, and compliance with healthcare data protection regulations. Utilize blockchain for secure and transparent health record management.

- **Integration of Diverse Technologies:** Develop a modular and scalable architecture. Use standardized communication protocols and APIs for seamless integration. Collaborate with technology experts to ensure compatibility.

- **User Adoption and Training:** Provide comprehensive training programs for healthcare professionals and user-friendly interfaces for patients. Continuous support and feedback mechanisms can enhance adoption rates.

- **Scalability Challenges:** Design the project with a scalable architecture. Regularly assess and optimize system performance. Plan for future expansions by keeping the infrastructure modular.



Working & Techstack

Google Developer Student Clubs
G.L. Bajaj Institute Of Technology And Management

- **HTML:** Contains the structure of the webpage.
  - Includes input fields for entering symptoms.
  - Displays the identified disease, nearest hospital, and medicines.

- **Tailwind CSS:** Utilizes Tailwind CSS for styling the HTML components.
  - Ensures a clean and modern user interface.
  - Responsively adjusts styles for different screen sizes.

- **JavaScript:** Handles the logic for capturing user input.
  - Communicates with the disease identification API to analyze symptoms and determine the disease.
  - Calls the hospital location API to find the nearest hospital based on the user's location.
  - Retrieves medicine information from a separate API.
  - Dynamically updates the HTML content with the results.

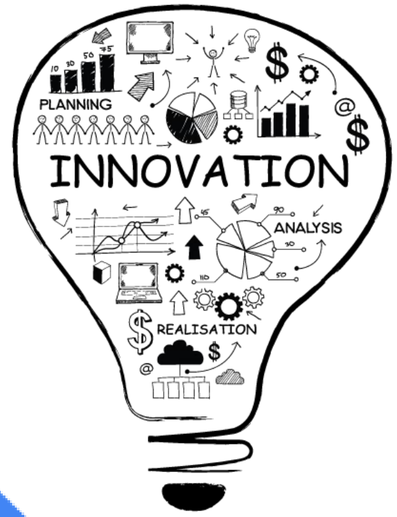
- **Disease Identification API:** Accepts symptom inputs from the website.
  - Processes the symptoms and returns the identified disease.

- **Hospital Location API:** Takes the user's location or zip code as input.
  - Returns the coordinates of the nearest hospital.
  - The JavaScript code integrates these coordinates with a mapping library to display the hospital on the website.

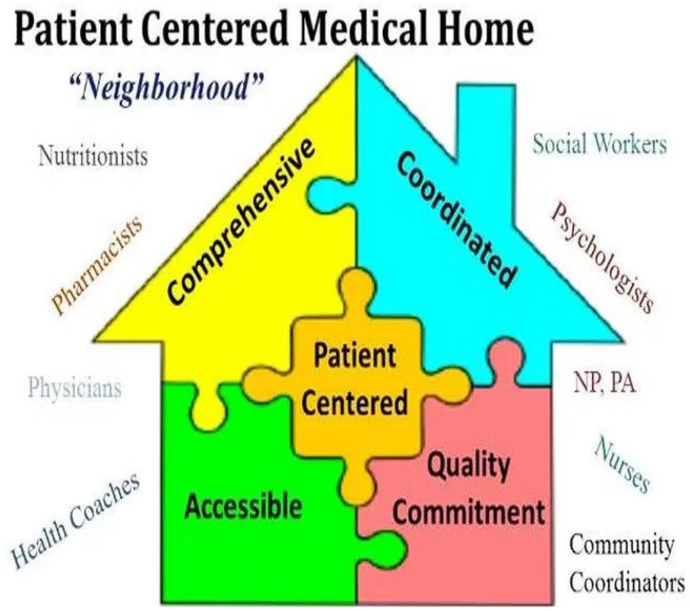
- **Medicine Information API:** Accepts the identified disease as input.
  - Provides information on medicines, dosages, and relevant details.
  - The JavaScript code retrieves and displays this information on the website.

DEV-ON

Uniqueness of your idea



- Symptom-based care
- Patient centric design
- Holistic healthcare project
- Community health initiatives
- Innovative technology integration
- Patient Education Platform
- Continuous professional development



DEV-ON

MarketPlace & Impact

- ✓ Innovation Quotient: Innovative integration of AI, IoT, blockchain, and virtual reality.
- ✓ Addressable Market Size: Potential to address a significant portion of the healthcare market.
- ✓ Market Demand and Need: Meets pressing needs and demands of the healthcare industry.
- ✓ Scalability and Long-Term Viability: Scalable and modular architecture for long-term adaptability.
- ✓ Competitive Landscape: Comparison to existing and potential competitors.
- ✓ Monetization Opportunities: Potential for various monetization avenues.
- ✓ Ethical Considerations and Trust: Ethical framework and commitment to transparency.
- ✓ Community Engagement and Support: Level of community engagement, support, and endorsements.
- ✓ Regulatory Compliance and Certification: Achieving and maintaining regulatory compliance.
- ✓ Impact on Patient Outcomes: Demonstrating measurable improvements in patient outcomes.
- ✓ Strategic Partnerships and Collaborations: Establishing strategic partnerships and successful collaborations.
- ✓ Potential for Industry Influence: Potential to influence industry practices, standards, and developments.

DEV-ON