

Local Health Resource Finder

- **MediMap** (App Name)
- Promoting Community Health through Technology
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- Tool Used: Eclipse IDE (Java)







Introduction

- Problem:
- Many people struggle to find nearby health facilities quickly in times of need.
- Solution:
- A software application that helps users locate nearby clinics, hospitals, and pharmacies using real-time location data.

Objectives

- - Promote health and wellness in local communities
- - Improve access to medical services
- - Make emergency response faster and easier
- - Provide essential health information

Features

- -  Search for nearby clinics, hospitals, or pharmacies
- -  Google Maps integration for directions
- -  Auto-detect user location via GPS
- -  Emergency contact shortcut
- -  Daily health tips
- -  Multilingual support

Tools & Technologies

- - Eclipse IDE – Java Development
- - Java SE / JavaFX / Swing – App UI
- - Google Maps API – Location Services
- - SQLite – Database for health facilities
- - JSON/XML – For storing health tips

System Architecture

- Client Side:
 - - Java GUI (Search bar, Map, Info Panels)
- Backend:
 - - Location service, facility search logic
- Database:
 - - SQLite database storing facilities and tips

Database Design

- Table: health_facilities

•	Field	Type	
•	-----	-----	
•	id	Integer	
•	name	Text	
•	type	Text	
•	address	Text	
•	latitude	Real	

UI Screens (Mockups or Concept)

- - Home Screen with Search Options
- - Map View with Pins on Facilities
- - Facility Details Page
- - Health Tips Page

Testing & Evaluation

- - Functionality tests (search, maps, database)
- - Usability testing (is it easy to use?)
- - GPS/location accuracy checks
- - Feedback from local users (if available)

Conclusion

- - The app bridges the gap between users and health facilities
- - Promotes faster access to care
- - Can be expanded to include appointment bookings, reviews, etc.
- - A meaningful tech solution to a real-world community issue

Future Improvements

- - Add ambulance tracking/integration
- - Enable facility ratings and reviews
- - Add multilingual voice commands
- - Sync with health department APIs for live updates

Thank You

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