Company: The Squirrel
Deadline : 24-7-2025, Thursday, 11:59 AM
Focus: Google Maps API, MongoDB Location Queries

Objective

Build a minimal full-stack web application that implements Google Maps API for a doctor-patient platform. The goal is to evaluate your understanding of Maps integration, location-based data handling, and basic full-stack implementation.

User Roles

1. **Doctor**

   ○ Can add their clinic location using a Google Map (drop a pin or search an address).

   ○ Save the clinic's address and geo-coordinates in MongoDB.

2. **Patient**

   ○ Can search for doctors by location (e.g., "Doctors in JP Nagar").

   ○ View a list of doctors who have clinics near or in that location.

   ○ Use MongoDB's $geoWithin or $near (with $ip if you're using IP-based queries) to filter doctors.

Requirements

● Use **Google Maps API** to select and display clinic locations.

● Store doctor clinic info with **coordinates** (latitude & longitude) in MongoDB.

● Enable patient-side **location-based search** using MongoDB's **geospatial queries**.

● Stack: Express.js backend, MongoDB, Reactjs/Nextjs Frontend.

● No need for authentication, or good UI

Submission

- GitHub repository link
- 2-4 min video of you explaining your approach

Please submit your answers on ganesh@thesquirrel.tech