

## Project Title: Healthcare Transportation Management System

### Problem Statement

Home healthcare agencies are dedicated to assisting clients with disabilities by effectively managing their transportation needs. A primary feature of this service is the ability to meticulously store and track each transportation event alongside managing annual transportation budgets for each client. There is a need for a sophisticated system that not only logs each ride but also provides dynamic and detailed budget and transportation analytics. This system should enable service administrators to maintain an overarching view of all transportation activities and financial statuses.

### Project Requirements

#### 1. User Interface:

- Responsive design to accommodate both desktop and mobile usage.
- Primary views (pages) should include a comprehensive Dashboard, Ride History and Client Budget Tracker

#### 2. Backend Functionalities:

- Manage and display detailed client profiles.
- Provide real-time insights into transportation budgets and spending.
- Implement functionalities to record and retrieve transportation events via integration with various transportation service APIs such as Uber Health.
- Generate alerts and notifications based on budget consumption.

#### 3. Database:

- Use a SQL or NoSQL database to store client information, transaction logs, and

other necessary data.



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#### 4. Additional Features:

- Ability to generate custom analytics on transportation usage.
- Filters and search functionalities for different data views.

**Note:** These requirements are not fully exhaustive and should not be considered as a definitive scope definition. Candidates are encouraged to propose and implement additional features they believe will effectively address the problem and enhance the system's functionality.

### Preferred Tech Stack

- Frontend: React (TypeScript), TailwindCSS
- Backend: Golang
- Database: Developer's choice of SQL or NoSQL
- Version Control: Git

### Submission Guidelines

- Submit the project via GitHub.
- The README.md file should include setup instructions and an overview of the application functionalities.