⚡ CHARGELAB

Coding Challenge

frontend web development

Problem Definition

ChargeLab provides EV drivers with different channels to discover and then interact with EV chargers. Our Web App is one of our leading offerings. Users will use our Web App to create accounts with us, update their profile, interact with chargers, add payment methods, pay for their charging session, see the history of their activities, and export custom reports.

For this coding challenge, you are expected to build a user profile page for a web app. Your page will display and then allow the user to update the following:
- First name
- Last name
- Phone number
- Email address
- A list of favorite charging stations
    - station name, location, type, availability, etc
- A list of active charging sessions
    - station name, location, charging time, power consumption, cost, etc

Notes

- The user's phone number and email address are used for authentication
    - No login page is mandatory; you can assume the user info exists in the backend
- Charging station information would include live station status (online/offline/in-use)
    - Station status can change in real-time

Deliverables

- Design and implement a suitable frontend and associated backend interface. Any framework is acceptable for the frontend
- Please either host your backend (preferred) or provide a backend for us to run and test the frontend
- Comment on how you'd design/redesign the user interface
- **Bonus**: Implement a functional signup/sign-in page to put yourself ahead of the queue. The username can be either the email address or the phone number. Feel free to use external services if you see fit.