Shiva Prasad Sandireddy eMobility documentation

I used Angular 13 for the frontend development, while the backend is Node.js version 16 or higher.

I've utilized Cloud MongoDB for database connectivity, finding it more convenient to store data in the cloud, eliminating the need for local installations.

For installing and starting the application refer to **<u>README.md</u>** file in both backend and frontend.

EndPoint

On the backend I have implemented all the cases and I have attached the images with documentation for the reference.

- Create a Charge Data Record
 - The "End time" cannot be smaller than "Start time"
- The "Start time" of an upcoming Charge Data Record for a particular vehicle must always be bigger than the "End time" of any previous Charge Data Records.
 - The "Total cost" must be greater the 0

POST Add New CDR

http://localhost:3366/v1/api/cdr

• Get a Charge Data Record by id

GET Get CDR By Id

http://localhost:3366/v1/api/cdr/586224809

API will get the records based on ID

All the API Details is available in

https://documenter.getpostman.com/view/6661770/2s9YCAQ9ru

UI

On the User Interface side I have succeed in implementing all the cases. Once the angular application is running please go to URL http://localhost:4200/ to view the result.

Note: To view the data in web browser, backend application has to be running.

For sorting top Arrow is ascending and down arrow is descending

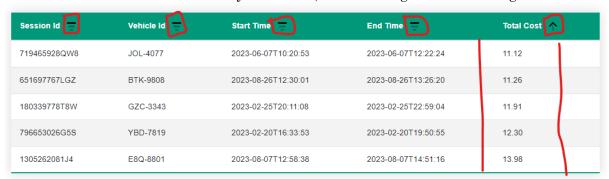
• Display the charging records in a table with pagination



• The user is able to sort the table by Start time and End time, in ascending and descending order



• The user is able to sort the table by Total cost, in ascending and descending order



The user is able to filter the table records by ID



