Concept:
Managing large Fleet of automobiles in the hands of a lot of different people is difficult operationally. There are a great deal of moving parts, figuratively and literally, and a lot of potential for loss. Vehicles depreciate immediately, require regular maintenance and, because humans are operating them, they are frequently damaged. Many fleet operations just work using a spreadsheet to store information that has to be continually edited and has essentially no validation or error prevention. This means data about your fleet is often inaccurate which increase loss and liabilities. Existing software either very unwieldy, outdated, not made for mobile, or incredibly expensive. Utilifleet is mobile friendly, responsive, and designed to be flexible. It is more user friendly so that employees are happier to use it and thereby less prone to mistakes and inaccuracies

The following technologies were used to build Utilifleet: React.js for user interface, Node.js for the backend, Express for back-end routing, MySQL for the database, Sequelize as an ORM, Material UI for the design, Passport.js as package for authentication, Bcrypt as a package for the hashing algorithm, Quaga.js for the vehicle barcode scanner, Vin-Validator as an API to retrieve vehicle information by entering its vin number.

How to demo:
Username: test
Password: Test1234
Once you are in the app you will see a dashboard. The top of the dashboard contains 4 “cards” displaying live data from the database. The menu on the left will allow you to view reports, add data to the database, and remove data from the database. To use the barcode scanner, on your mobile device navigate to the add vehicles form (vehicles -> add) and at the top of the page click the start scanner button. Scan your vehicles barcode.