Frontend Hiring Challenge

Home test : Implement a "simple" app

We will look at

- code architecture,

- separation of responsibilities,

- good use of modern libraries for frontend development

- good setup of development environment

- efficient build process for production release

- documentation (README)

The App must be on Typescript and React

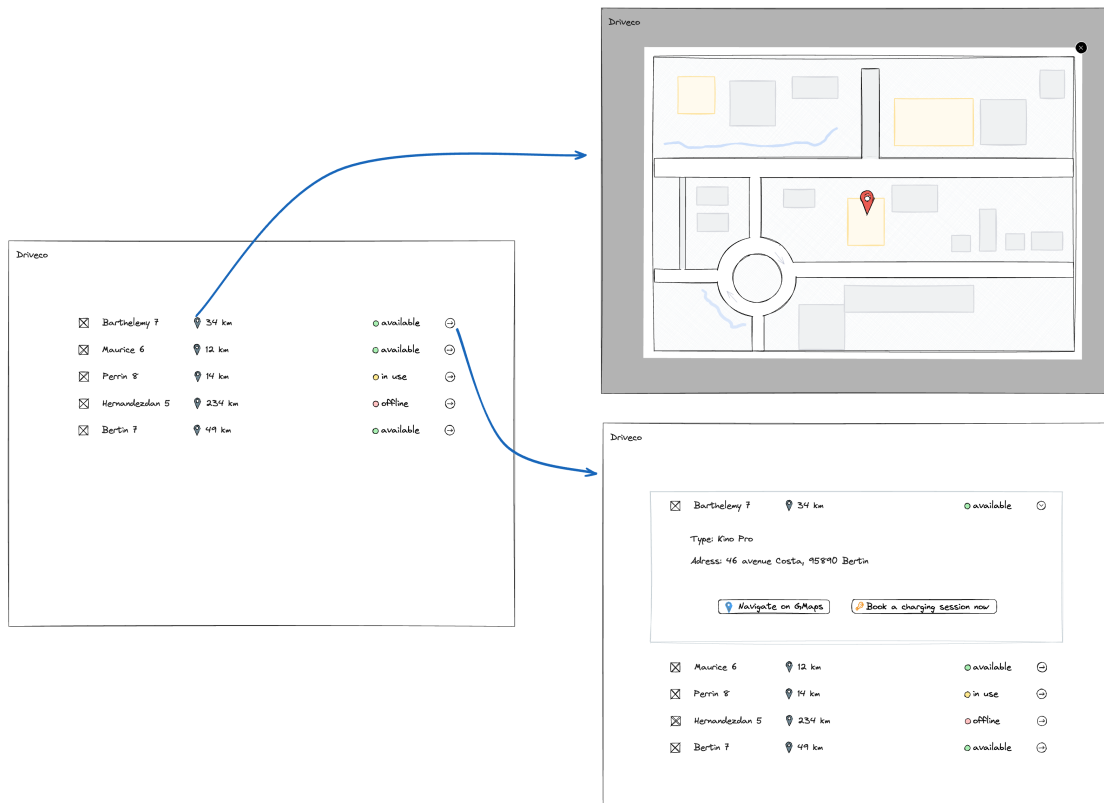In future version, the App will be part of a PWA for iOS and Android.

As this is a very simple playground:

- there is no authentication

- translations are provided but no language switch support is necessary.
  the browser's locale must be used to determine which translations and formatting conventions to use.

⚠️ Even if this app is very simple, we expect to see a code structured as if it was part of an application with many features and variations. Do not provide a hello-world level application ;-)

Design

APIs

`HTTP GET /charge-boxes`

→ Retrieve 25 random (fake) chargebox informations.

→ contains a geo location point

→ contains a status value, one of `['free', 'in_use', 'booked', 'offline']`

→ contains a type value, one of `['kino_pro', 'kino_one', 'kino_urban']`

```json
{
  "chargeboxes": [
    {
      "identifier": "ssd:charge-box:646b7dd3-671d-3dc6-a958-b
      "name": "Lemoine 10",
      "type": "Kino Urban",
      "location": {
        "latitude": 48.261109,
        "longitude": 3.836712
```

```
      },
      "adresse": "88, rue Aubry",
      "city": "Lemoine",
      "zipcode": "66407",
      "status": "free"
    },
        …

  ]
}
```

→ list all required parameters for display

```
{
  "chargebox_type": {
    "kino_pro": {
      "icon": "https:\/\/via.placeholder.com\/32x32.png\/0011
      "picture": "https:\/\/via.placeholder.com\/640x480.png\.
      "name": "Kino Pro 2x50kw"
    },
    "kino_one": {
      "icon": "https:\/\/via.placeholder.com\/32x32.png\/0066
      "picture": "https:\/\/via.placeholder.com\/640x480.png\.
      "name": "Kino One 2x22kw"
    },
    "kino_urban": {
      "icon": "https:\/\/via.placeholder.com\/32x32.png\/00aa
      "picture": "https:\/\/via.placeholder.com\/640x480.png\.
      "name": "Kino Urban 2x7kw"
    }
  },
  "translations": {
    "fr": {
      "chargebox.status.free": "disponible",
      "chargebox.status.in_use": "occup\u00e9e",
      "chargebox.status.booked": "r\u00e9serv\u00e9e",
      "chargebox.status.offline": "indisponible",
```

```
      "cta.navigate_gmap": "s\u0027y rendre (Google Maps)",
      "cta.booking": "r\u00e9server une session"
    },
    "en": {
      "chargebox.status.free": "available",
      "chargebox.status.in_use": "busy",
      "chargebox.status.booked": "booked",
      "chargebox.status.offline": "unavailable",
      "cta.navigate_gmap": "Getting there (Google Maps)",
      "cta.booking": "book a session"
    }
  }
}
```

Product

The product team didn't have time to write a full fledged specification, but is available for any questions. don't hesitate to reach your Driveco Hiring Manager for any questions.