Traffic Drones

Scenario:

There are several automatic drones that fly around London and report on traffic conditions. When a drone flies over a tube station, it assesses what the traffic condition is like in the area, and reports on it. A monitoring tool keeps track of the drones, processing all the emitted data to finally create two reports at the end of the day.

Task:

Write a web application where you can view the data from both reports. One of them will contain the list of the drones that flew during the day. The second one will provide the whole set of data reported from all the drones.

In terms of compliance, the team monitoring the system must be able to make static content changes as quick as possible, therefore, the pages content should be fully dynamic without requiring app changes and a new deployment.

Notes:

- The pages should follow the designs provided in the following link.
- The static content should be structured accordingly and retrieved dynamically based on the page
- The pages should be responsive across devices.
- There are two files containing the required data: drones list *(drones.json)* and the data set generated *(data.json).* Both reports should be retrieved from different endpoints.
- Consider using one of the latest frontend frameworks (Angular/React preferably) but pick up the suitable option for you.

Remarks:

1. The webapp will be executed in a low spec device with a poor network connection. Bear that in mind when developing your solution.
2. Assume the chance that any endpoint might take more than 2s to return a response. This fact should affect the page loading look and feel as less as possible.
3. The drone list must be sortable by age and battery. The drone details by any of the fields available. Any result in both pages can be filtered out by a generic search input.
4. Provide the speed, longitude, and latitude averages in the details for a given drone.

Deliverable:

1. The assignment should be delivered as an application that allows the user to check both reports.
2. This is a fairly open assignment in terms of how you design and structure the solution. You will be judged on the overall quality of the app (consistency, code quality, simplicity, testability, performance).