



Air Traffic Test v1.1

FRONTEND TEST

We want you to show all the airplanes that are flying over current location of user. You should show all the flight details available and sort Airplanes by altitude they are flying at.

Functionality that is needed

First, user opens app, he is asked about usage of geolocation. After he accepts, he should see the listing that you got from ADS-B Exchange API (<https://www.adsbexchange.com/data/>). API Documentation can be found here (<http://www.virtualradarserver.co.uk/Documentation/Formats/AircraftList.aspx>).

Listing should be nice looking and flights need to be sorted by height, highest altitude on top, lowest on the bottom. Data should automatically update each minute.

Each listing item should contain:

- Airplane Icon oriented left or right depending if the flight is west-bound or east-bound
- Altitude
- Flight code number

When you click on each listing item, user should be shown a page with following details:

- Airplane Manufacturer and model
- Destination and Flight Origin airport
- Logo of the Airline company (you can use <https://clearbit.com/logo> for getting logos)

Please note that ADS-B Exchange has CORS security in place, so if you don't know how to overcome this, as a fallback, you can download JSON data and use that as data source.

If the user didn't allow usage of geolocation, show an error that it is necessary to allow it to use the app. Also create JS routing, that will avoid page reload when user opens up details and returns to list.

The time you have for completion of this test is 2 working days.



Technical Stack

- We need it to be **responsive**
- Use **geolocation** API, to detect user location
- Use of **JS frameworks are allowed**, but **we prefer Vanilla JavaScript**
- **HTML5** is a must, obviously
- **JS Template engines** are optional (we like them)
- **CSS3** transitions and effects would be nice, to show off your aesthetic skills
- Regarding the UX, if there is an error, user should know about it nicely, so please keep that in mind
- All the stuff you do, needs to be tracked on a **Git** repository, so we can see your thinking
- Usage of **build tools** is a plus

Show us your magic!

