# KAYAK -  Mobile Web Coding Exercise

## Project Overview

This Application has a "mobile first" design, and its primary functionality is to search for flights and view some of its company details. On the landing page, we load all the flight details and show them in a list. It has a search box to search for the flights matching with the search keyword. On select of a list item we are taken to the "**flight details"** page. We also provide an option for the user to search the "**flights tracker"** page on kayak's website.

## To run Front End

To run the frontend locally running:

- npm install : to install all required dependencies
- npm start : to start the local server (this project uses create-react-app)
- The app should be running at "http://localhost:3001"
- Below are the few dependencies that I used in the project:
    - ➔ axios - For consuming the server API's
    - ➔ jsonp - cross domain request for json with padding
    - ➔ mui/material - for styling the components.
    - ➔ react-swipeable-views - to navigate between flight details and flights tracker.
- Features
    - ➔ debouncing - to help reduce the number of API requests made

## To run Back End

To run the backend locally running:

- node index.s (or) npm i -g nodemon, nodemon index.js
- The server should be running at "http://localhost:3000"
- Below are the few dependencies that I used in the project:
    - ➔ express - for handling API requests
    - ➔ node -cache  - for storing all the flight details and helping the user to search for the flights