



Emirates Airlines

SDET Lead Case Study

For this case study we are going to step out of the usual SDET activities and think the SDET should work in any possible solution a team may need in terms of Quality.

In this case, we identified:

- Our team needs works with a static JSON host in a server as it is a Data Base.
- Quite often they need to add, remove and update this file.
- Many times other departments also need data from this file, being our team the responsible to manually find the correct information and send it to the requesting team.

Having all this in mind, you will be provided with a static JSON file with some dummy data and the requirements are:

- Create a sort of Web Application where our team will be able to:
 - Retrieve data from this JSON by searching
 - Delete any record on it
 - Update any record
- Create a sort of API Gateway where the rest of the teams will be able to:
 - Retrieve data from this JSON by searching through REST call
- JSON Data
 - AppName is fixed, cannot be modified
 - AppPath is fixed, cannot be modified
 - Owner is dynamic, can be modified
 - isValid is dynamic, can be modified

Proposed architecture for the project:

