**Flight Rest API:**

I propose a REST API based on the Django Rest Framework providing Flight details for authorised API clients to access and query flight information such as pilots, travel agents, flights departing and flights arriving from one location to a destination.

-List of Flights

-Flight

-List of Pilots

-Pilot

-Position

-List of Travel Agents

-Travel Agent

**Semantic Descriptors**:

- **List of Flights**

- Flight

- Flight number

- zone

- passengers

- flying from

- flying to

- terminal number

- departure date

- arrival date

- status

- **List of Pilots**

- **Pilot**

- id

- name

- **position**

- rank (“captain” or “co-pilot”)

- **List of Travel Agents**

- **Travel Agent**

- company name

- flight fares

- baggage allowance

**API State Diagram**:

**List of methods**:

flight (**safe**)

travel agent(**safe**)

pilot(**safe**)

position(**safe**)

edit(**unsafe, non-idempotent**)

out-of-seats(**unsafe, idempotent**)

cancel(**unsafe, idempotent**)

available(**safe**)

features(**safe**)

**Login Details**:

User name: admin

Password: password123

**Github clone url**:

[**flightapp-hussein.apps.devcloud.eecs.qmul.ac.uk**](http://flightapp-hussein.apps.devcloud.eecs.qmul.ac.uk/)