Wireframe Documentation

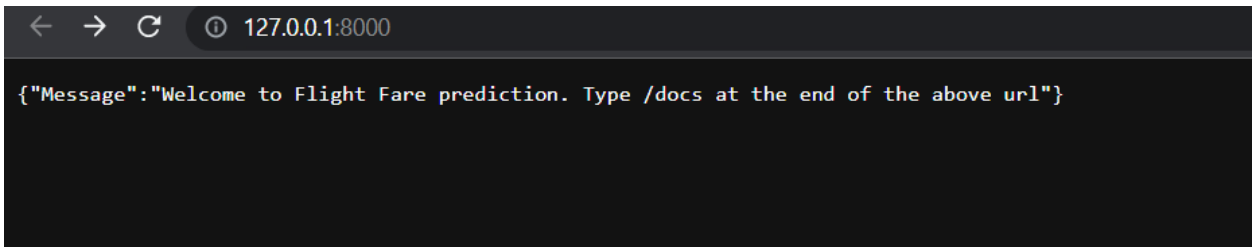
Flight Fare Prediction

Home page

The model is deployed in FastAPI as an API and after running the link to the connection at 127.0.0.1:8000, the user is greeted with a home page as seen below

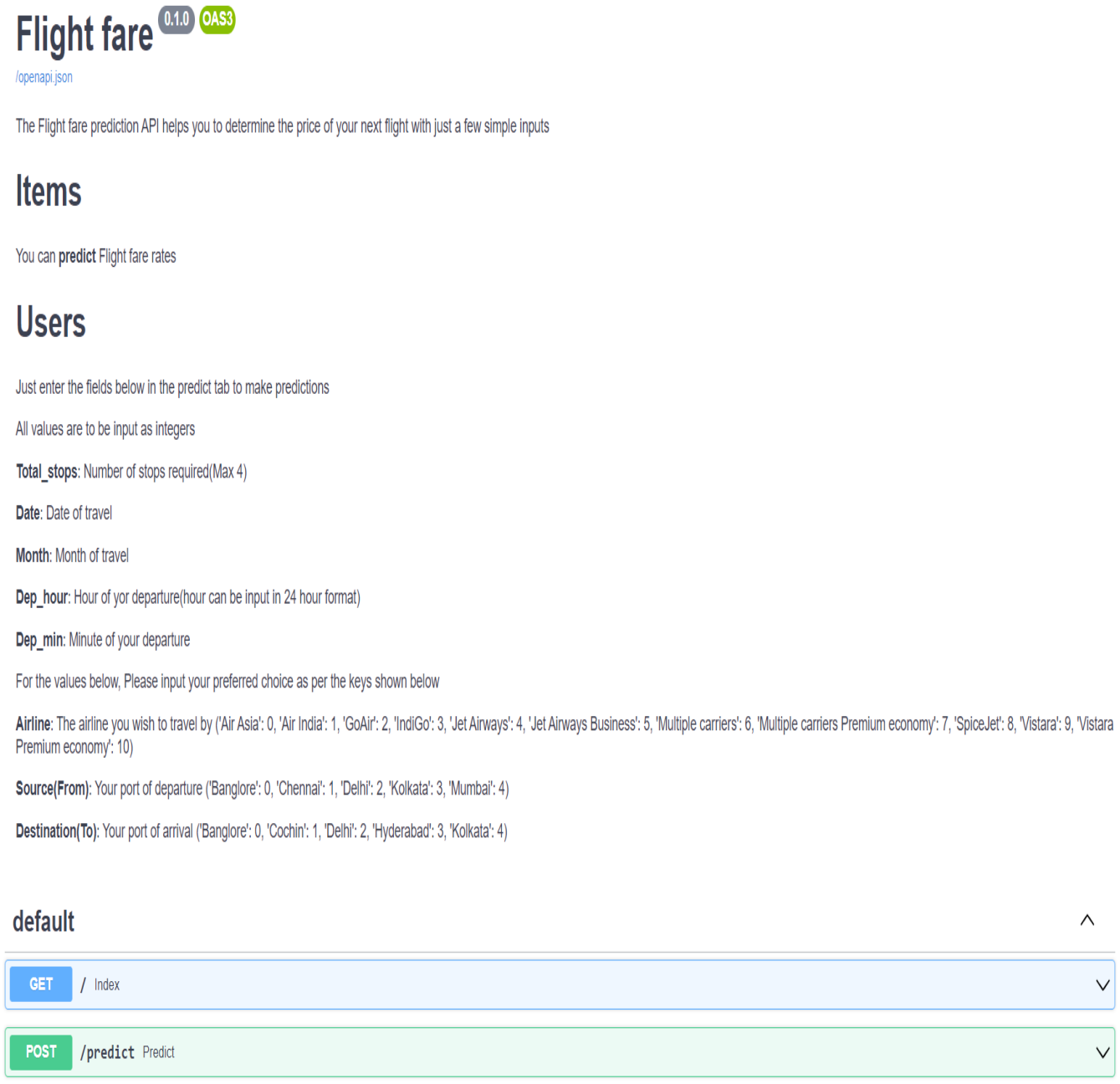
```
if __name__ == '__main__':
    uvicorn.run(app, host = '127.0.0.1', port = 8000)
```

```
INFO:     Started server process [16252]
INFO:     Waiting for application startup.
INFO:     Application startup complete.
INFO:     Uvicorn running on http://127.0.0.1:8000 (Press CTRL+C to quit)
```



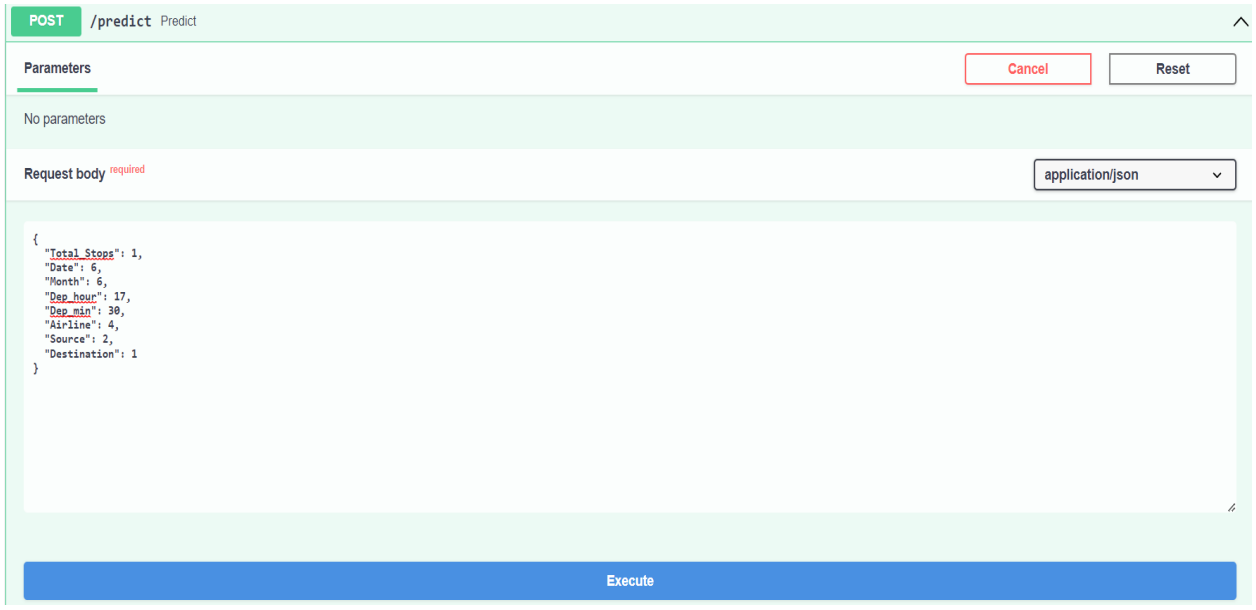
Prediction Page

The link can be diverted to the Swagger UI by typing “/docs” at the end of the link



The user can start the prediction by selecting the predict pane and can input values so that the model can predict the fare of their trip.

The values can be entered to the model by pressing on the “Try it out” button



After pressing the “Execute” button, the model outputs the prediction below of the flight fare

Curl

```
curl -X 'POST' \
  'http://127.0.0.1:8000/predict' \
  -H 'accept: application/json' \
  -H 'Content-Type: application/json' \
  -d '{
  "Total_Stops": 1,
  "Date": 6,
  "Month": 6,
  "Dep_hour": 17,
  "Dep_min": 30,
  "Airline": 4,
  "Source": 2,
  "Destination": 1
}'
```

Request URL

```
http://127.0.0.1:8000/predict
```

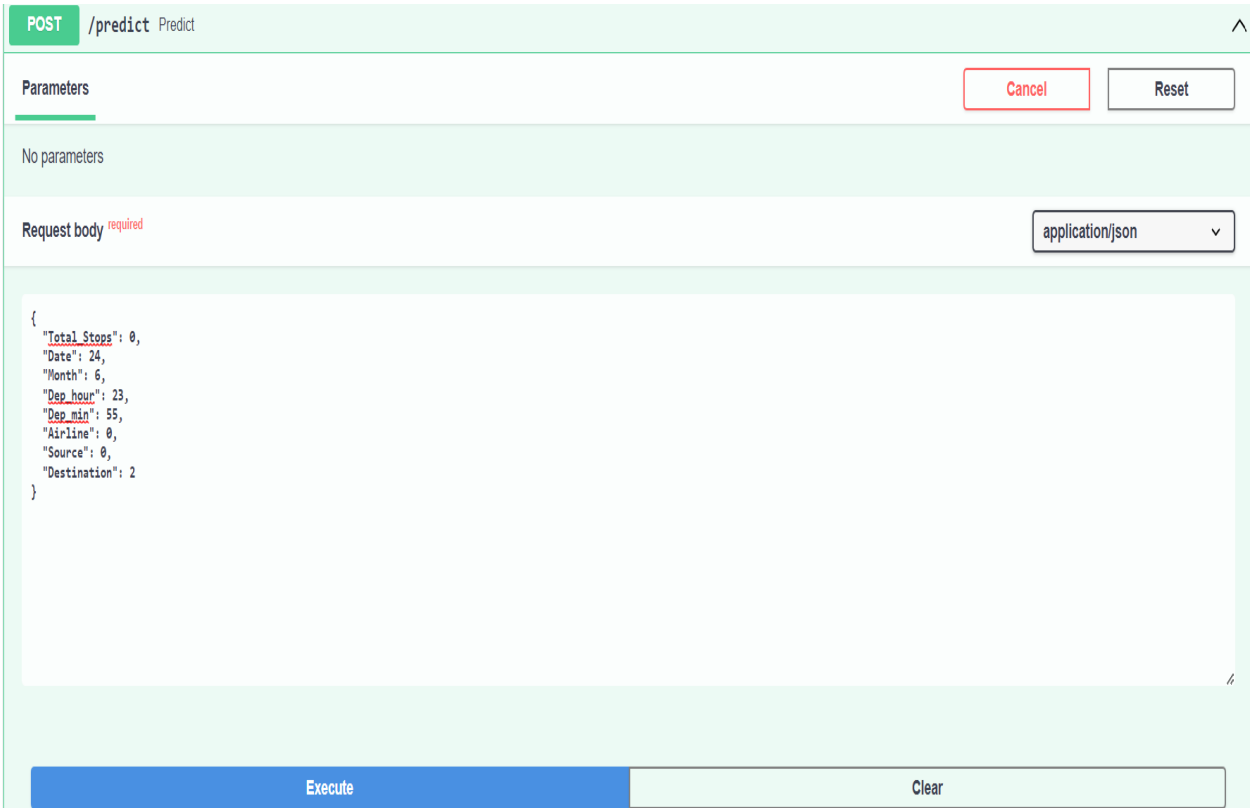
Server response

Code	Details
200	Response body

```
[
  "The Flight fare is Rs. 10426.39"
]
```

Download

The model can be used to make predictions again by re–entering the relevant values as seen below



The model again outputs the prediction for the chosen flight.