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

```
→ C ① 127.0.0.1:8000
{"Message":"Welcome to Flight Fare prediction. Type /docs at the end of the above url"}
```

Prediction Page

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



You can **predict** Flight fare rates

Users

Just enter the fields below in the predict tab to make predictions

All values are to be input as integers

Total_stops: Number of stops required(Max 4)

Date: Date of travel

Month: Month of travel

Dep_hour: Hour of yor departure(hour can be input in 24 hour format)

Dep_min: Minute of your departure

For the values below, Please input your preferred choice as per the keys shown below

Airline: The airline you wish to travel by ('Air Asia': 0, 'Air India': 1, 'GoAir': 2, 'IndiGo': 3, 'Jet Airways': 4, 'Jet Airways Business': 5, 'Multiple carriers': 6, 'Multiple carriers Premium economy': 7, 'SpiceJet': 8, 'Vistara': 9, 'Vistara Premium economy': 10)

Source(From): Your port of departure ('Banglore': 0, 'Chennai': 1, 'Delhi': 2, 'Kolkata': 3, 'Mumbai': 4)

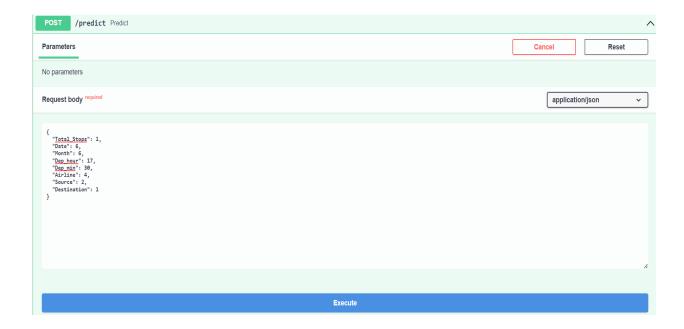
Destination(To): Your port of arrival ('Banglore': 0, 'Cochin': 1, 'Delhi': 2, 'Hyderabad': 3, 'Kolkata': 4)



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.



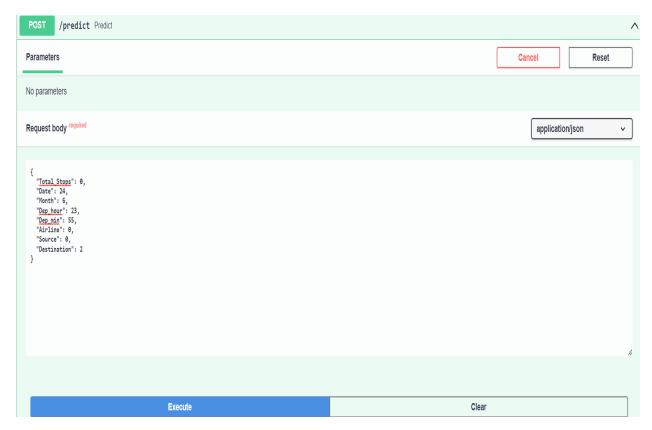
The values can be entered to the model by pressing on the "Try it out" button



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



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.

