

FLIGHT FARE

PREDICTION

Wireframe

Architecture

Contents

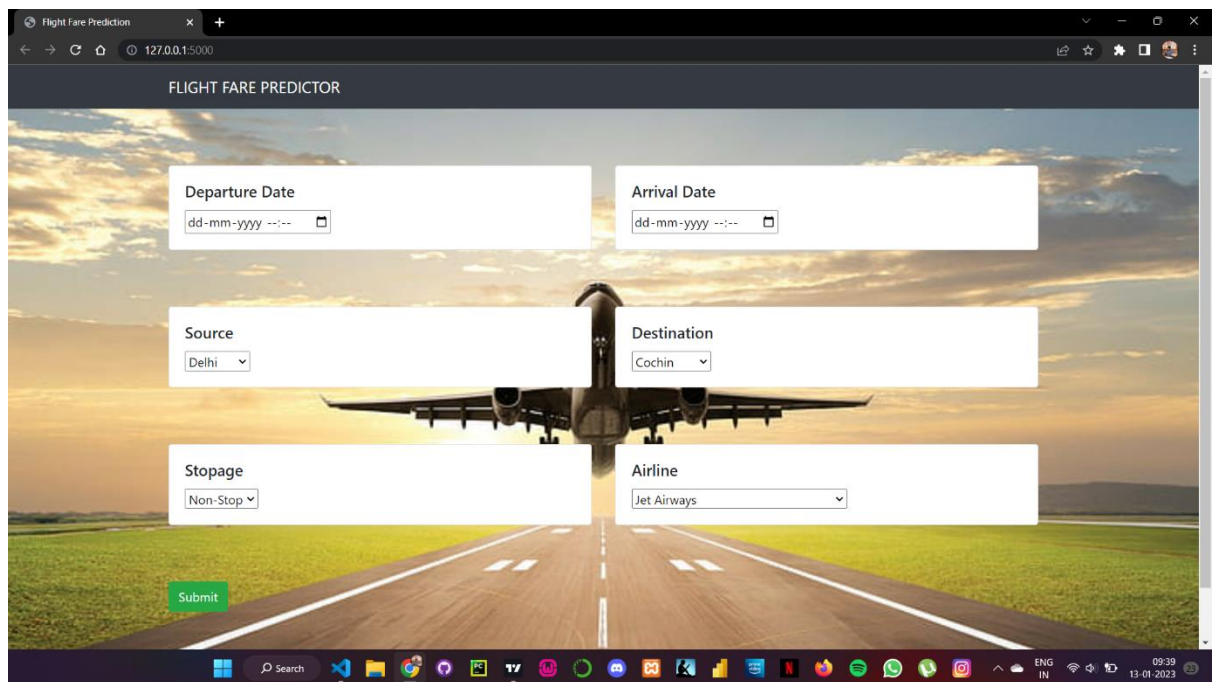
1. Abstract
2. Web UI
3. Input from User
4. Output

1. Abstract

In the present day contemporary scenario, Airlines have become popular and affordable domestically at least, and these flight fare is a factor people consider to travel. All these fares aspect varies according to season, weather condition, availability of staff and so on. So here we are going to build ML model that predicts the price of an Airline which would be useful prior to bookings.

2. Web UI

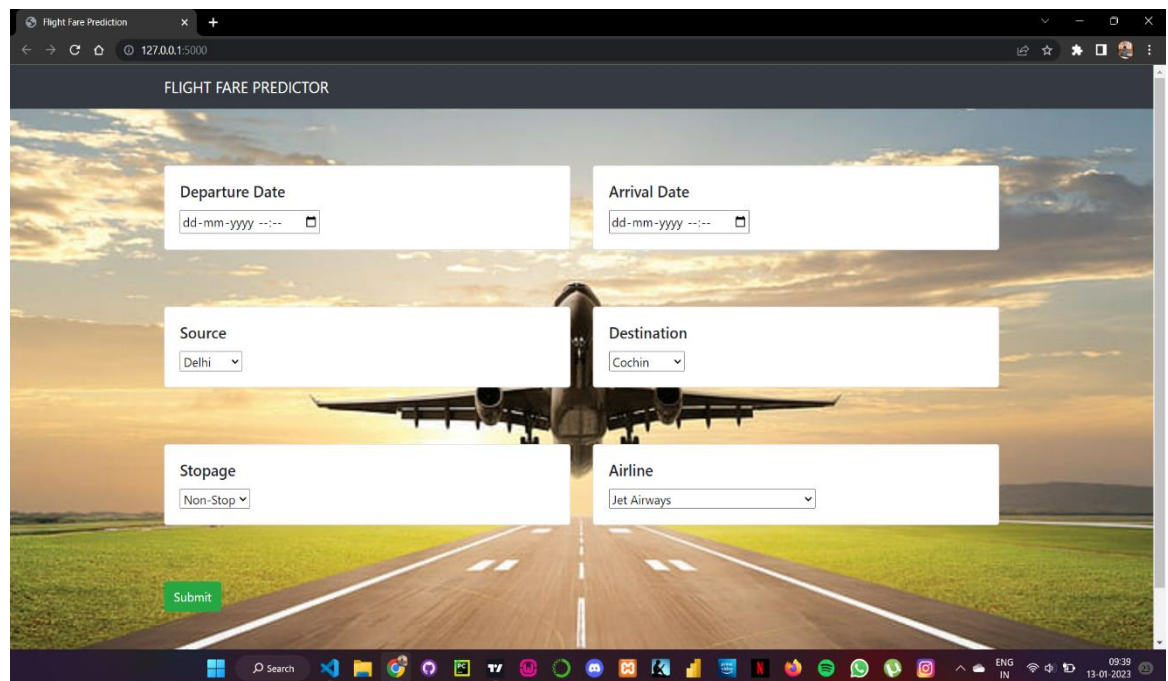
This project Web page UI looks as given below where there are six fields to be entered by the user.



The screenshot displays a web browser window titled "Flight Fare Predictor" with the URL "127.0.0.1:5000". The page features a background image of an airplane on a runway at sunset. The interface includes six input fields for user data: "Departure Date" and "Arrival Date" (both with date pickers), "Source" (a dropdown menu showing "Delhi"), "Destination" (a dropdown menu showing "Cochin"), "Stopage" (a dropdown menu showing "Non-Stop"), and "Airline" (a dropdown menu showing "Jet Airways"). A green "Submit" button is located at the bottom left of the form area. The Windows taskbar is visible at the bottom of the screen, showing the time as 09:39 on 13-01-2023.

3. Input from User

- As and when the app.py file is run the user gets a link associated with a running port number which has to be clicked.
- Once clicked, User is navigated to a web page where they have to enter the six fields of their choice out of all the given choices.
- After entering they have to go ahead and click on predict where the final price of the flight fares will be shown. This final process happens by rendering the saved machine learning model that's saved in a pickle file.



The screenshot displays a web browser window with the title 'Flight Fare Prediction' and the address bar showing '127.0.0.1:5000'. The webpage, titled 'FLIGHT FARE PREDICTOR', features a background image of an airplane on a runway at sunset. The form contains the following fields:

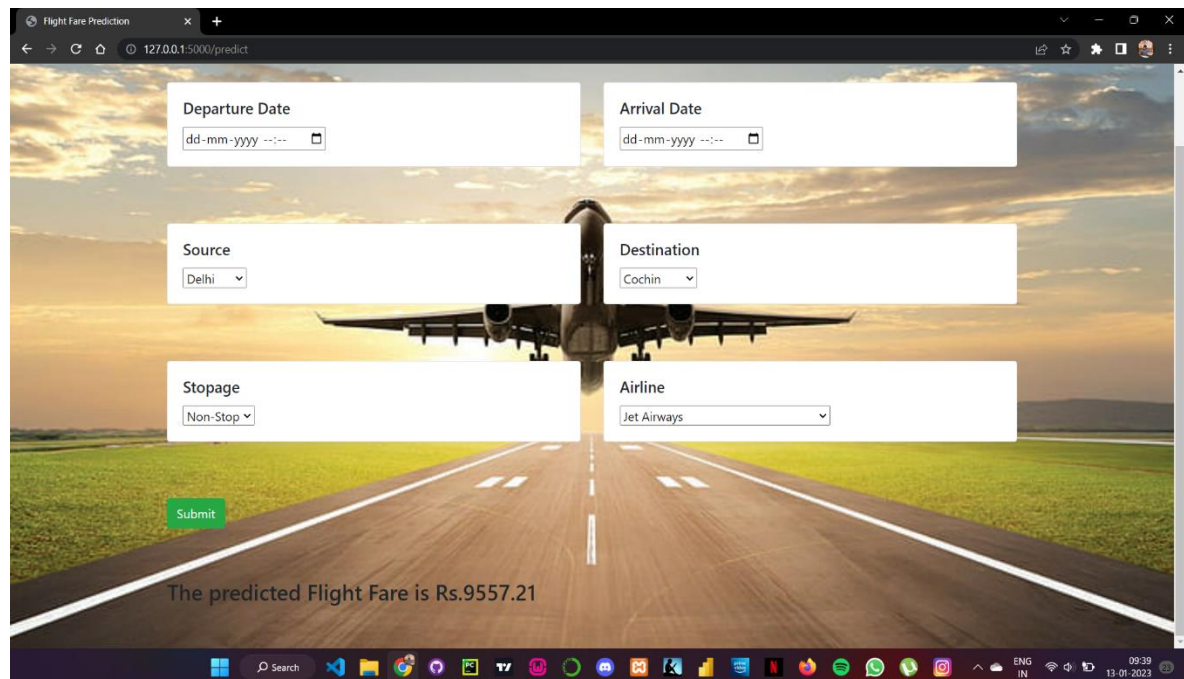
- Departure Date:** A date input field with a placeholder 'dd-mm-yyyy --:--' and a calendar icon.
- Arrival Date:** A date input field with a placeholder 'dd-mm-yyyy --:--' and a calendar icon.
- Source:** A dropdown menu with 'Delhi' selected.
- Destination:** A dropdown menu with 'Cochin' selected.
- Stopage:** A dropdown menu with 'Non-Stop' selected.
- Airline:** A dropdown menu with 'Jet Airways' selected.

A green 'Submit' button is located at the bottom left of the form area. The Windows taskbar is visible at the bottom of the screen, showing the time as 09:39 on 13-01-2023.

4. Output

- As and when all the six fields of the web page is entered by the user, they can go ahead for getting the required fares.
- For that to happen, the user has to click the submit button below, for once the page will refresh and displays the output in terms of fares.

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The screenshot displays a web browser window with the title 'Flight Fare Prediction'. The address bar shows the URL '127.0.0.1:5000/predict'. The web page features a background image of an airplane on a runway at sunset. The form contains the following fields:

- Departure Date:** A date input field with the placeholder 'dd-mm-yyyy --:--' and a calendar icon.
- Arrival Date:** A date input field with the placeholder 'dd-mm-yyyy --:--' and a calendar icon.
- Source:** A dropdown menu with 'Delhi' selected.
- Destination:** A dropdown menu with 'Cochin' selected.
- Stopage:** A dropdown menu with 'Non-Stop' selected.
- Airline:** A dropdown menu with 'Jet Airways' selected.

A green 'Submit' button is located below the 'Stopage' field. Below the form, the text 'The predicted Flight Fare is Rs.9557.21' is displayed. The Windows taskbar is visible at the bottom of the screen.