

# Wireframe Flight Fare Prediction

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## Document Version Control

Date	Version	Description	Author
23 - 07 - 2022	1.0	Abstract Introduction Architecture	Shijali
26 - 07 - 2022	1.1	Architectural Design	Shijali
30 - 07 - 2022	1.2	Deployment Unit Test Cases	Shijali

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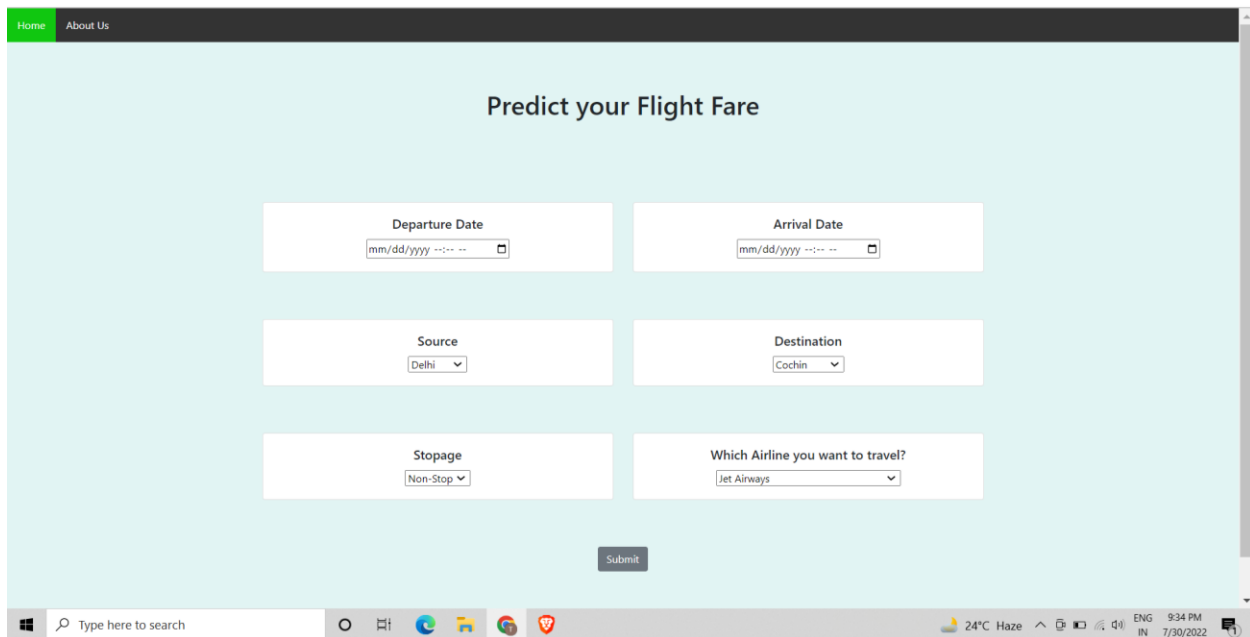
## Abstract

The recent changes in the international market had a large impact on the Aviation sector because of several reasons. These impact the two class folks, the first is Business perspective and second is Customer perspective. The major reason for such impact is the governments around the world amended totally different rules to their various Airline firms. Taking these factors into consideration, the value of the flight tickets has varied from one place to another. Booking a flight ticket has its price tag split into two, one is online bookings and other is offline bookings. Each of these have their various criteria for value of the price, one such example is the server load and therefore the range of booking requests. During this machine learning implementation, we are going to see numerous factors that impact the price of the flight ticket and predict the acceptable price of the ticket.

# 1. Web Interface

## 1.1 Landing Page

When the User land on our webpage, they sees a webpage welcoming them to Flight Fare Prediction System



The screenshot displays the landing page of the Flight Fare Prediction System. At the top, a dark navigation bar contains links for 'Home' and 'About Us'. The main heading is 'Predict your Flight Fare'. Below this, there are six input fields arranged in a 3x2 grid: 'Departure Date' and 'Arrival Date' (both with date pickers), 'Source' (a dropdown menu showing 'Delhi'), 'Destination' (a dropdown menu showing 'Cochin'), 'Stoppage' (a dropdown menu showing 'Non-Stop'), and 'Which Airline you want to travel?' (a dropdown menu showing 'Jet Airways'). A 'Submit' button is located at the bottom center of the form area. The page is viewed within a web browser window, with the Windows taskbar visible at the bottom showing the search bar, taskbar icons, and system tray information including temperature, time, and date.

## 1.2 Predictor Page

The user sees various fields asking for information that is required to predict the price of a flight. Every user input has its own dropdown where the user can select their input. After providing the required input and pressing the submit button, the page refreshes and displays the predicted price of the flight.

[Home](#) [About Us](#)

### Predict your Flight Fare

Departure Date

Arrival Date

Source

Destination

Stopage

Which Airline you want to travel?

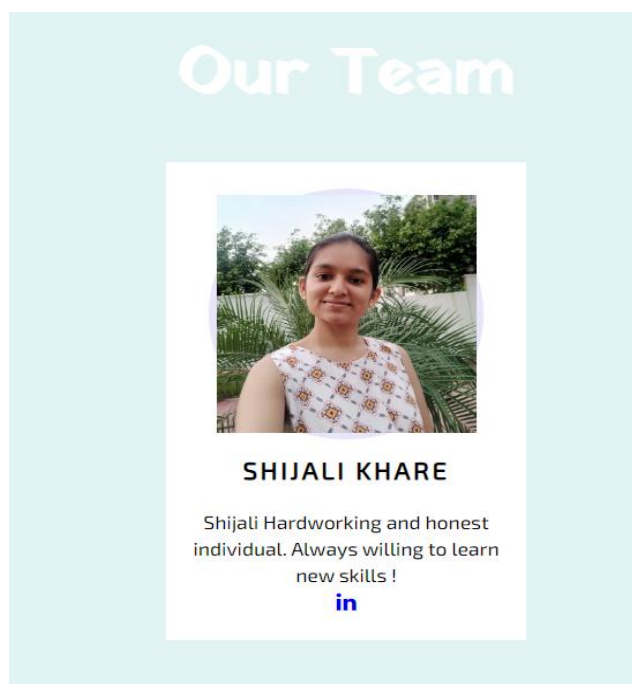
Submit

Type here to search

24°C Haze 9:34 PM 7/30/2022

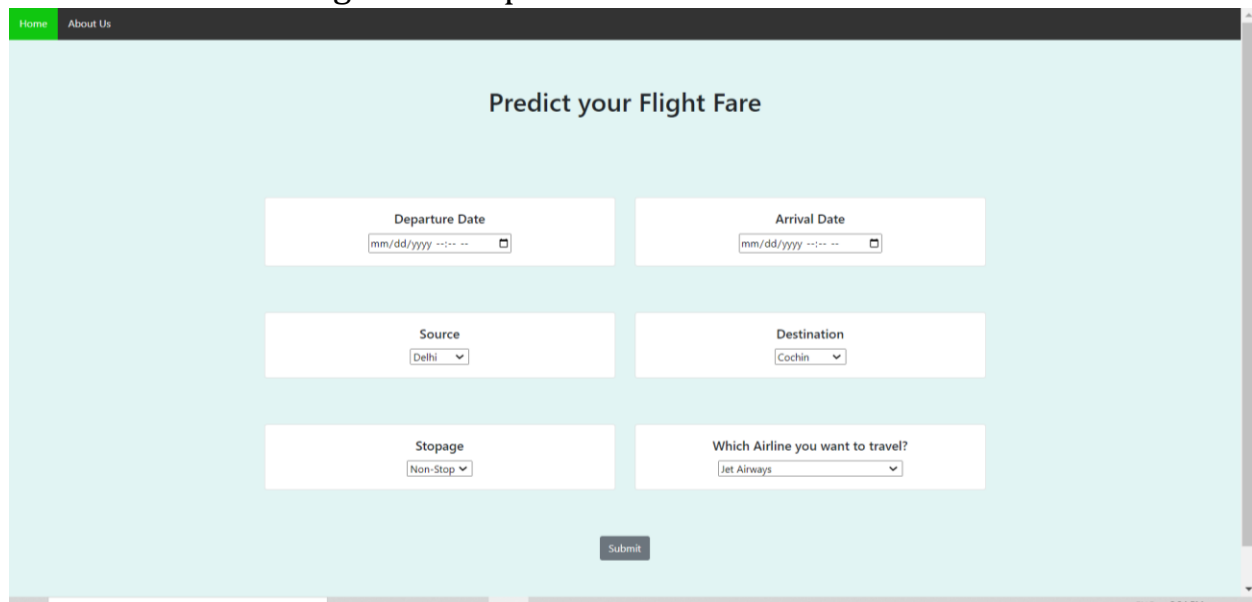
## 1.3 About Us Page

The About us page holds a short summary about the people who have contributed in building this project. There are social links attached as well in case someone wants to contact the person behind this project.



## 2. User Input

On the predictor page, the user has to provide all the information asked for the prediction. The user can select from the drop down lists attached to each of the input fields. Once all the asked information is provided, the user clicks on submit button to get the output.



The screenshot shows a web application interface for predicting flight fares. At the top, there is a navigation bar with 'Home' (highlighted in green) and 'About Us'. The main heading is 'Predict your Flight Fare'. Below this, there are six input fields arranged in a 3x2 grid:

- Departure Date:** A date picker showing 'mm/dd/yyyy --|-- --'.
- Arrival Date:** A date picker showing 'mm/dd/yyyy --|-- --'.
- Source:** A dropdown menu with 'Delhi' selected.
- Destination:** A dropdown menu with 'Cochin' selected.
- Stopage:** A dropdown menu with 'Non-Stop' selected.
- Which Airline you want to travel?:** A dropdown menu with 'Jet Airways' selected.

At the bottom center of the form is a 'Submit' button. The entire form is set against a light blue background.

## 2. Results Page

On the predictor page, the user provides all the asked information and then clicks on submit button. The predicted fare of the selected flight is displayed to the user.

The screenshot shows a web browser window with the URL `flight-fare-predict-m.herokuapp.com/predict`. The page has a light blue background and is titled "Predict your Flight Fare". It contains a form with six input fields arranged in a 3x2 grid:

- Departure Date:** A date picker showing "mm/dd/yyyy --:-- --".
- Arrival Date:** A date picker showing "mm/dd/yyyy --:-- --".
- Source:** A dropdown menu with "Delhi" selected.
- Destination:** A dropdown menu with "Cochin" selected.
- Stopage:** A dropdown menu with "Non-Stop" selected.
- Which Airline you want to travel?:** A dropdown menu with "Jet Airways" selected.

Below the form is a dark grey "Submit" button. At the bottom of the page, the text "Your Flight price is Rs. 6680.88" is displayed.