**Wireframe Overview**

**1. Title Section**

* **Elements:**
  + App Title: "Flight Price Prediction App" (Header 1)
  + Subheading: "Enter the following details to predict flight prices."

**2. Input Section**

This section allows users to input flight details.

**Layout:** Two-column format with labeled input fields.

**Inputs:**

1. **Column 1 (Left):**
   * Total Stops (Slider)
     + Label: "Total Stops"
     + Range: 0 to 4 with a step of 1
   * Journey Date (Date Picker)
     + Label: "Journey Date"
     + Default: Today's date
   * Departure Time (Time Picker)
     + Label: "Departure Time"
   * Number of Passengers (Numeric Input)
     + Label: "Number of Passengers"
2. **Column 2 (Right):**
   * Arrival Time (Time Picker)
     + Label: "Arrival Time"
   * Seat Type (Dropdown)
     + Options: Economy, Premium Economy, Business, First Class
   * Airline (Dropdown)
     + Options: Air India, GoAir, IndiGo, Jet Airways, etc.
   * Source City (Dropdown)
     + Options: Chennai, Delhi, Kolkata, Mumbai
   * Destination City (Dropdown)
     + Options: Cochin, Delhi, Hyderabad, Kolkata, New Delhi

**3. Prediction Button**

* **Elements:**
  + Button: "Predict Flight Price"
  + Positioned below the input fields
  + Triggers the model to predict the flight price based on user input.

**4. Output Section**

This section displays the prediction results.

**Output Fields:**

1. **Summary of Input Details**
   * Airline
   * Seat Type
   * Journey Date
   * Departure Time
   * Arrival Time
   * Duration
   * Total Stops
   * Source City
   * Destination City
2. **Predicted Price**
   * Styled output of the predicted price
   * Example: "Predicted Price: **₹15,345**" (Large font, colored)
   * Positioned prominently.
3. **Visual Element:**
   * Streamlit balloons animation for a successful prediction.

**Wireframe Sketch**

**[Header Section]**

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| Flight Price Prediction App |

| Enter the following details |

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**[Input Section (Two Columns)]**

sql

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| Column 1: | Column 2: |

| - Total Stops (Slider) | - Arrival Time |

| - Journey Date (Date Picker) | - Seat Type |

| - Departure Time (Time Picker) | - Airline |

| - Number of Passengers | - Source City |

| | - Destination |

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**[Prediction Button]**

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[ Predict Flight Price ]

**[Output Section]**

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| Input Summary: |

| - Airline: Jet Airways |

| - Seat Type: Economy |

| - Journey Date: Dec 18, 2024 |

| - Departure: 10:00 AM |

| - Arrival: 2:00 PM |

| - Duration: 4 hrs |

| - Stops: 1 |

| - Source: Delhi |

| - Destination: Mumbai |

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| Predicted Price: ₹15,345 |

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**Navigation & Interaction**

* **Interaction Details:**
  + Sliders and dropdowns are interactive.
  + Date and time pickers allow for easy input.
  + "Predict Flight Price" button processes user input and displays the results.
* **Navigation:**
  + Single-page layout for simplicity.
  + Users fill the input fields, click the predict button, and immediately see the results below.

**Styling Notes**

* Use **Streamlit's default layout** with consistent spacing.
* Predicted price should have a **bold, large font with a highlighted color (e.g., orange)**.
* Ensure all input fields are clearly labeled for usabilit