

# DEVELOPING A FLIGHT DELAY PREDICTION MODEL USING MACHINE LEARNING

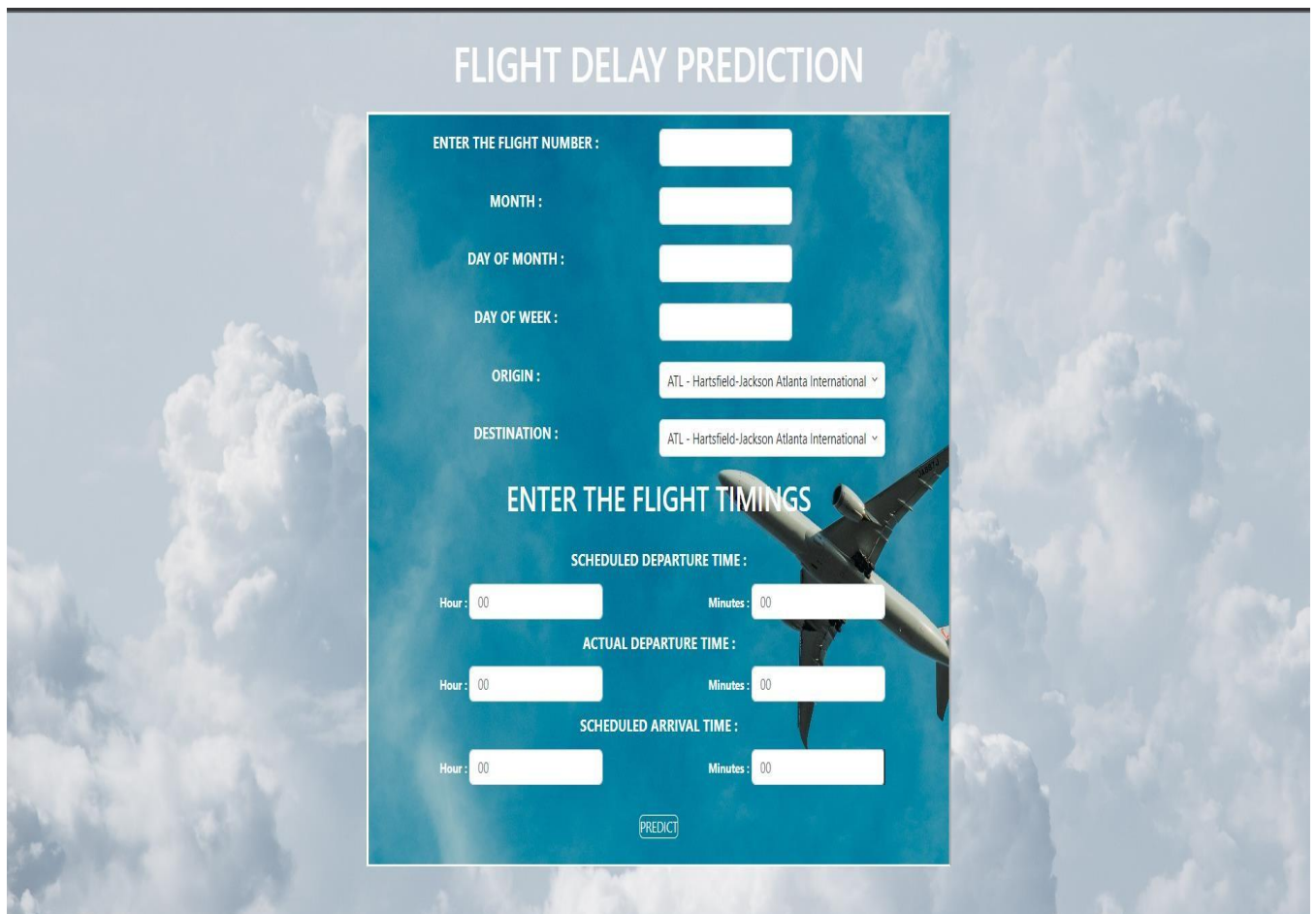
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**FULL-HOME PAGE :**



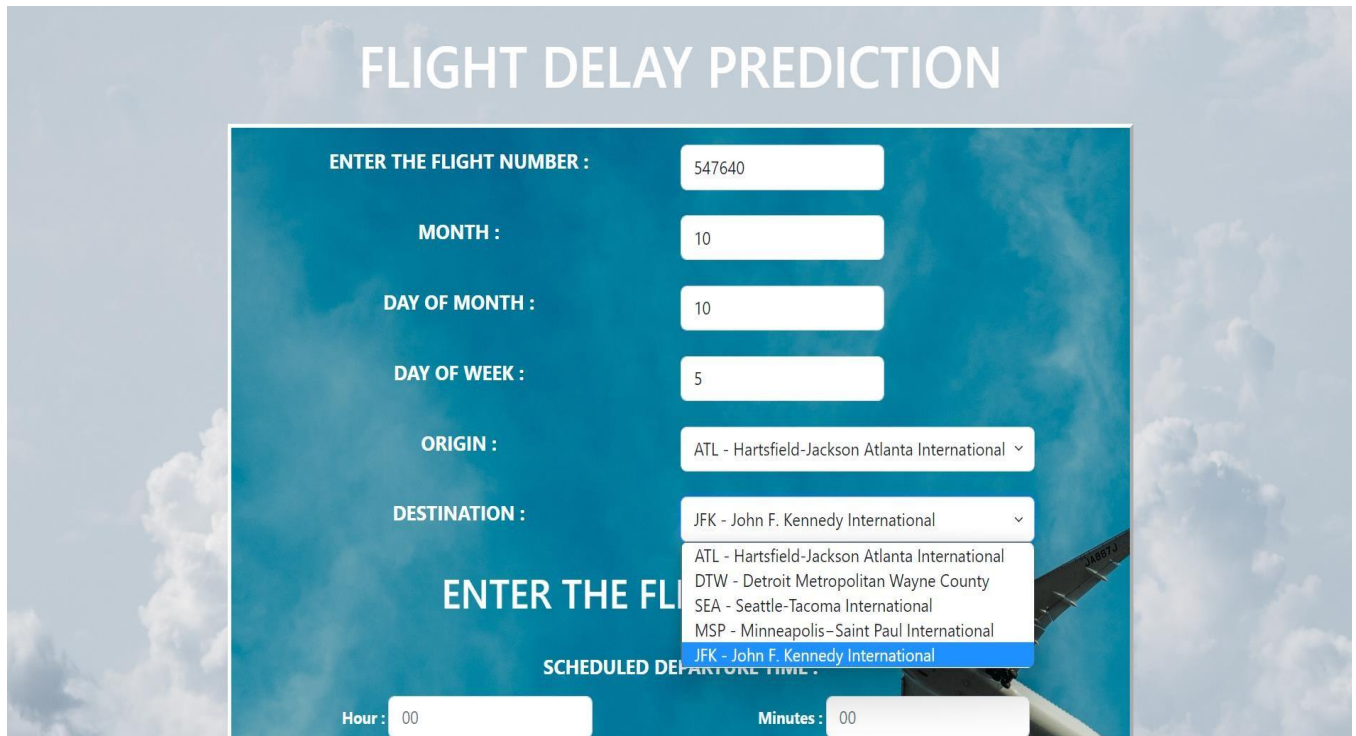
The screenshot displays a web application titled "FLIGHT DELAY PREDICTION" set against a background of a blue sky with white clouds and a white airplane in flight. The interface is divided into two main sections: "ENTER THE FLIGHT NUMBER" and "ENTER THE FLIGHT TIMINGS".

**ENTER THE FLIGHT NUMBER:** This section includes input fields for "MONTH", "DAY OF MONTH", and "DAY OF WEEK". It also features dropdown menus for "ORIGIN" and "DESTINATION", both currently set to "ATL - Hartsfield-Jackson Atlanta International".

**ENTER THE FLIGHT TIMINGS:** This section contains three time-related input groups, each with "Hour" and "Minutes" fields: "SCHEDULED DEPARTURE TIME", "ACTUAL DEPARTURE TIME", and "SCHEDULED ARRIVAL TIME". All time fields are currently set to "00".

At the bottom of the form, there is a button labeled "PREDICT".

## DATA ENTRY-HOME PAGE:



The image shows the home page of a 'FLIGHT DELAY PREDICTION' application. The background is a blue sky with white clouds. The title 'FLIGHT DELAY PREDICTION' is at the top in white. Below it is a dark blue form area with white text and input fields. The form includes fields for 'ENTER THE FLIGHT NUMBER :', 'MONTH :', 'DAY OF MONTH :', 'DAY OF WEEK :', 'ORIGIN :', and 'DESTINATION :'. The 'ORIGIN' and 'DESTINATION' fields are dropdown menus. Below these is a section for 'ENTER THE FLIGHT SCHEDULED DEPARTURE TIME :', which includes 'Hour' and 'Minutes' input fields. A 'PREDICT' button is at the bottom right of the form area.

FLIGHT DELAY PREDICTION

ENTER THE FLIGHT NUMBER : 547640

MONTH : 10

DAY OF MONTH : 10

DAY OF WEEK : 5

ORIGIN : ATL - Hartsfield-Jackson Atlanta International

DESTINATION : JFK - John F. Kennedy International

ENTER THE FLIGHT SCHEDULED DEPARTURE TIME :

Hour : 00 Minutes : 00



The image shows a form titled 'ENTER THE FLIGHT TIMINGS'. The background is a blue sky with white clouds. The title is in white. Below it are three sections: 'SCHEDULED DEPARTURE TIME :', 'ACTUAL DEPARTURE TIME :', and 'SCHEDULED ARRIVAL TIME :'. Each section has 'Hour' and 'Minutes' input fields. A 'PREDICT' button is at the bottom center of the form area.

ENTER THE FLIGHT TIMINGS

SCHEDULED DEPARTURE TIME :

Hour : 6 Minutes : 00

ACTUAL DEPARTURE TIME :

Hour : 10 Minutes : 00

SCHEDULED ARRIVAL TIME :

Hour : 7 Minutes : 00

PREDICT

**RESULT PAGE:**

