PROJECT DEVELOPMENT PHASE

PROJECT DEVELOPMENT DELIVERY OF SPRINT IV

DATE	19 November 2022
PROJECT NAME	Airlines &data analytics for aviation industry
TEAM ID	PNT2022TMID46908

Coding:

import module

import requests

from bs4 import BeautifulSoup

UDF for get HTML code

from URL

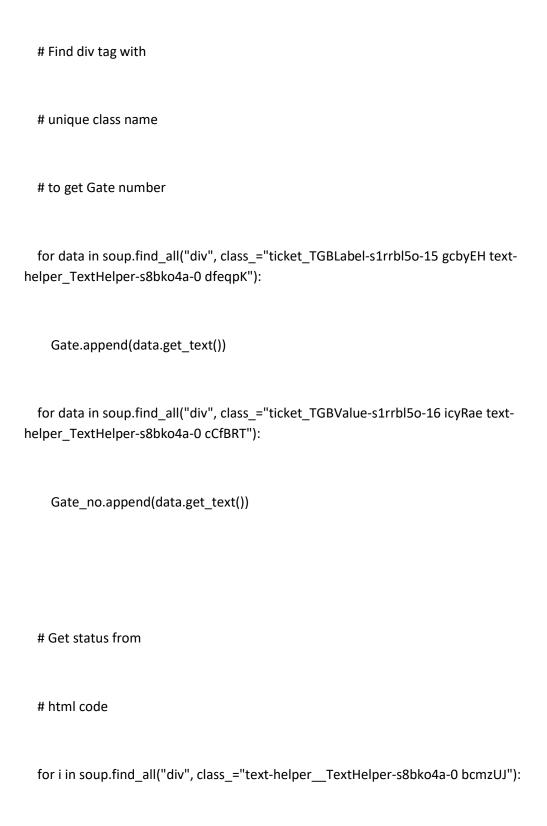
```
def get_html(Airline_code, Flight_number, Date, Month, Year):
  def getdata(url):
    r = requests.get(url)
    return r.text
  # url
  url = "https://www.flightstats.com/v2/flight-tracker/"+Airline_code + \
    "/"+Flight_number+"?year="+Year+"&month="+Month+"&date="+Date
  # pass the url
  # into getdata function
  htmldata = getdata(url)
```



```
Flight_no = Flight_no + (i.get_text()) + " "
  return (Flight_no)
# Get Airport name
# from HTML code
def airport(soup):
  Airport_name = []
  # Find div tag with
  # unique class name
  for i in soup.find_all("div", class_="text-helper__TextHelper-s8bko4a-0 CPamx"):
    Airport_name.append(i.get_text())
```

return (Airport_name) # get status # from HTML code def status(soup, Airport_list): Time_status = [] Airport_List = [] Status_str = [] Gate = []

Gate_no = []



```
Status_str.append(i.get_text())
for i in soup.find_all("div", class_="text-helper__TextHelper-s8bko4a-0 cCfBRT"):
  Time_status.append(i.get_text())
# traverse the Data
# from scraping data
for item in range(4):
  if item == 0:
    print(Airport_list[0])
  if item == 2:
    print("")
    print(Airport_list[1])
```

```
print(Status_str[item] + " : " + Time_status[item])
    print(Gate[item] + " : " + Gate_no[item])
  for item in range(len(Gate)):
    print(Gate[item] + " : " + Gate_no[item])
# Driver code
if _name_ == '_main_':
  # Input Data from geek
  Airline_code = 'G8'
  Flight_number = '134'
  Date = '23'
  Month = '10'
```

```
Year = '2020'
# Calling the get_html
# with argument
# function calling
soup = get_html(Airline_code, Flight_number, Date, Month, Year)
print("Flight number : ", flight_no(soup))
Airport_list = airport(soup)
status(soup, Airport_list)
```

Output:

Flight number : G8 134 GoAir

Jay Prakash Narayan International Airport

Scheduled: 21:00 IST

Terminal: N/A

Estimated: 21:00 IST

Gate: N/A

Indira Gandhi International Airport

Scheduled: 22:40 IST

Terminal: T2

Estimated: 22:40 IST

Gate: 205

Terminal: N/A

Gate: N/A

Terminal: T2

Gate: 205