

PROJECT DEVELOPMENT PHASE

Sprint 3

Date	11 TH NOVEMBER 2022
Team ID	PNT2022TMID40519
Project Name	Developing a Flight Delay Prediction Model using Machine Learning

mainpage.html

```
<html>

  <div align="center" class="logbg">

    <head>

      <meta charset="UTF-8">

      <center>

        <table>

          <tr>

            <td><h1><br>Prediction of Flight Delay<br><br></h1></td>

            <td><form action="{{ url_for('logout') }}">

              <input type="submit" class="btn" value="logout"/><br>

            </form></td>

          </tr>

        </table>

      </center>

      <link rel="stylesheet" href="{{ url_for('static', filename='styleless.css') }}">

      <style>

        body{

          overflow: hidden;

          margin: 0%;

          padding: 0%;

        }

      </style>
```

```

</head>
<body>
  <form action="" >
    <center>
      <table>
        <tr>
          <td>Enter the flight number:</td>
          <td><input type="text" id="fname"><br></td>
        </tr>
        <tr>
          <td>Month:</td>
          <td><input type="number" id="month"><br></td>
        </tr>
        <tr>
          <td>Day of Month:</td>
          <td><input type="number" id="daymonth"><br></td>
        </tr>
        <tr>
          <td>Day of Week:</td>
          <td><input type="number" id="dayweek"><br></td>
        </tr>
        <tr>
          <td>Origin:</td>
          <td><select id="origin">
            <option value="atl">ATL</option>
            <option value="dtw">DTW</option>
            <option value="sea">SEA</option>
            <option value="msp">MSP</option>
            <option value="jfk">JFK</option>

```

```

        </select></td>
    <tr>
    <tr>
        <td>Destination:</td>
        <td><select id="destination">
            <option value="atl">ATL</option>
            <option value="dtw">DTW</option>
<option value="sea">SEA</option>
            <option value="msp">MSP</option>
            <option value="jfk">JFK</option>
        </select></td>
    <tr>
    <tr>
        <td>Scheduled Departure Time:</td>
        <td><input type="number" id="sdeparttime"><br></td>
    </tr>
    <tr>
        <td>Scheduled Arrival Time:</td>
        <td><input type="number" id="sarrivaltime"><br></td>
    </tr>
    <tr>
        <td>Actual Departure Time:</td>
        <td><input type="number" id="adeparttime"><br></td>
    </tr>
    <tr>
        <td><br><input type="submit" class="btn" value="SUBMIT"></br>
    </tr>
</table>
</center>

```

</form>

</body>

</div> </html> **app.py** from flask import Flask, render_template, request,

redirect, url_for, session from flask_mysql import MySQL import

MySQLdb.cursors import re import mysql.connector mydb =

mysql.connector.connect(

host = "localhost",

user = "root",

password = "Lokesh@2005",

database = "userlogin"

)

app = Flask(__name__) app.secret_key = 'london'

app.config['MYSQL_HOST'] = 'localhost'

app.config['MYSQL_USER'] = 'root'

app.config['MYSQL_PASSWORD'] = 'Lokesh@2005'

app.config['MYSQL_DB'] = 'userlogin' mysql

= MySQL(app)

@app.route('/')

@app.route('/login', methods=['GET', 'POST'])

def login():

msg = "

if request.method == 'POST' and 'username' in request.form and 'password' in request.form:

username = request.form['username']

password = request.form['password']

#cursor = mysql.connection.cursor() cursor =

mysql.connection.cursor(MySQLdb.cursors.DictCursor)

cursor.execute('SELECT * FROM accounts WHERE username = % s AND password = % s', (username, password,))

account = cursor.fetchone()

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        if account:
            session['loggedin'] = True
#session['id'] = account['id']
            session['username'] = account['username']
msg = 'Logged in successfully !'
            return render_template('mainpage.html', msg = msg)
        else:
            msg = 'Incorrect username / password !'
return render_template('login.html', msg = msg)

@app.route('/logout') def
logout():
    session.pop('loggedin', None)
    session.pop('id', None)
    session.pop('username', None)    return
    redirect(url_for('login'))#change{}
    #return render_template('login.html', msg = msg)
@app.route('/')
@app.route('/register', methods=['GET', 'POST']) def
register():
    msg = ""
    if request.method == 'POST' and 'username' in request.form and 'password' in
request.form and 'email' in request.form :        username =
request.form['username']

        password = request.form['password']
        email = request.form['email']
print(username)        cursor =
mysql.connection.cursor()

```

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        #cursor = mydb.cursor(MySQLdb.cursors.DictCursor)        cursor.execute('SELECT
* FROM accounts WHERE username = % s;', (username, ))

        #cursor.execute('SELECT * FROM accounts')
account = cursor.fetchone()

        if account:

            msg = 'Account already exists !'        elif not
re.match(r'^@]+@[^@]+\.[^@]+', email):

            msg = 'Invalid email address !'        elif not
re.match(r'[A-Za-z0-9]+', username):

            msg = 'Username must contain only characters and numbers !'

elif not username or not password or not email:

    msg = 'Please fill out the form !'

else:

    cursor.execute('INSERT INTO accounts VALUES (NULL, % s, % s, % s);', (username,
password, email, ))        mysql.connection.commit()

    cursor.close()

    msg = 'You have successfully registered !'

return render_template('login.html', msg = msg)    elif
request.method == 'POST':        msg = 'Please fill out
the form !'

    return render_template('register.html', msg = msg)

@app.route('/')

@app.route('/mainpage', methods=['GET', 'POST']) def
mainpage():

    msg=""

    return render_template('mainpage.html', msg = msg)

if __name__ == "__main__": app.run(debug = True)

```