

PROJECT DEVELOPMENT PHASE

DELIVERY OF SPRINT-3

DATE	6 November 2022
TEAM ID	PNT2022TMID19362
PROJECT NAME	Car Resale Value Prediction
MAXIMUM MARK	4 Marks

Flask framework

```
1 from flask import Flask,render_template,request
2 import pickle
3 import numpy as np
4 app = Flask(__name__)
5 model=pickle.load(open("histmodel.pkl","rb"))
6 @app.route("/")
7 def home():
8     return render_template("index.html")
9
10 @app.route('/submit',methods=["POST","GET"])
11 def prediction():
12     if request.method=="POST":
13         yearofRegistration=request.form["yearofRegistration"]
14         powerPS=request.form["powerPS"]
15         kilometer=request.form["kilometer"]
16         monthofRegistration=request.form["monthofRegistration"]
17         namelen=request.form["namelen"]
18         gearbox_feat=request.form["gearbox_feat"]
19         if gearbox_feat == "manuell":
20             gearbox_feat =1
21         elif gearbox_feat == "auto":
22             gearbox_feat =0
23         fuelType_feat = request.form["fuelType_feat"]
24         if fuelType_feat=="petrol":
25             fuelType_feat=1
26         elif fuelType_feat=="benzin":
27             fuelType_feat=2
28         elif fuelType_feat=="diesel":
29             fuelType_feat=3
30         elif fuelType_feat=="lgp":
31             fuelType_feat=4
32         elif fuelType_feat=="andere":
33             fuelType_feat=5
```

HTML design code

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Car Price Prediction</title>
  <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css" integrity="sha384-i...>
  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
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  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">

  <style>
    body{
      background-color: #f2f2f2;
    }
    .container{
      background-color: white;
      margin-top: 50px;
      padding: 20px;
      border-radius: 10px;
    }
    .form-group{
      margin-top: 20px;
    }
    .form-control{
      border-radius: 10px;

```

Application webpage

IBMIBM-Project-23693-1659893453Online HTML EditorNew Tab

https://www.tutorialspoint.com/online_html_editor.php

codingground

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ResultAdvertisement

```
1 <!DOCTYPE html>
2 <html>
3 <body>
4 <h2>HTML Forms</h2>
5 <form action="/y_predict">
6 <h4><center> Please fill the details of your car:</center></h4>
7 Reg Year<input type="number"><br><br>
8 Reg Month:<input type="number"><br><br>
9 Power of Car in PS:<input type="number"><br><br>
10 Kilometer the car has to driven:<input type="number" style = font-color :
    white"><br><br>
11 Expected Budget:<input type="text"><br><br>
12 Gear Box Type :
13 Manual:<input type="radio" value="Manual">
14 Automatic:<input type="radio" value="Automatic">
15 Not-declared:<input type="radio" value="Not-declared"><br><br>
16 Your car is damaged or Repaired:
17 Yes:<input type="radio" value="Yes">
18 No:<input type="radio" value="No">
19 Not-declared:<input type="radio" value="Not-declared"><br><br>
20 Model Type:<input type="text"><br><br>
21 Brand of the car:<input type="text"><br><br>
22 Fuel Type :
23 cng:<input type="radio" value="cng">
24 Petrol:<input type="radio" value="Petrol">
25 Diesel:<input type="radio" value="Diesel"><br><br>
26 Vehicle Type:<input type="text"><br><br>
27 <input type="submit" value="Predict">
28 <p><b>The resale value predicted is 3345678.00$</b></p>
29 </form>
30 </body>
31 </html>
```

HTML Forms

Please fill the details of your car:

Reg Year

Reg Month:

Power of Car in PS:

Kilometer the car has to driven:

Expected Budget:

Gear Box Type : Manual: ☐ Automatic: ☐ Not-declared: ☐

Your car is damaged or Repaired: Yes: ☐ No: ☐ Not-declared: ☐

Model Type:

Brand of the car:

Fuel Type : cng: ☐ Petrol: ☐ Diesel: ☐

Vehicle Type:

The resale value predicted is 3345678.00\$