

PROJECT DEVELOPMENT PHASE (DELIVERY OF SPRINT-3)

Date	10th November 2022
Team ID	PNT2022TMID07152
Project Name	Car Resale Value prediction
Maximum marks	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=="lpg":
31             fuelType_feat=4
32         elif fuelType_feat=="andere":
```

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-">
  <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">
  <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:

Please fill the following details of your car:

Registration Month and Year

Insurance ☐ Yes ☐ No ☐ Not Sure

Kilometers the car has driven

Gear Box Type ☐ Manual ☐ Automatic ☐ Not Declared

Your car is damaged or repaired ☐ Yes ☐ No ☒ Not Declared

Brand of the Car

Model Type

Fuel type of the car

Vehicle Type