PROJECT DEVELOPMENT PHASE

DELIVERY OF SPRINT-3

DATE	6 November 2022
TEAM ID	PNT2022TMID15486
PROJECT NAME	Car Resale Value Prediction
MAXIMUM MARK	4 Marks

- **Flask framework**

```python
from flask import  Flask,render_template,request
import pickle
import numpy as np
app = Flask(__name__)
model=pickle.load(open("histmodel.pkl","rb"))
@app.route("/")
def home():
    return render_template("index.html")

@app.route('/submit',methods=["POST","GET"])
def prediction():
    if request.method=="POST":
        yearofRegistration=request.form["yearofRegistration"]
        powerPS=request.form["powerPS"]
        kilometer=request.form["kilometer"]
        monthofRegistration=request.form["monthofRegistration"]
        namelen=request.form["namelen"]
        gearbox_feat=request.form["gearbox_feat"]
        if gearbox_feat == "manuell":
            gearbox_feat =1
        elif gearbox_feat == "auto":
            gearbox_feat =0
        fuelType_feat = request.form["fuelType_feat"]
        if fuelType_feat=="petrol":
            fuelType_feat=1
        elif fuelType_feat=="benzin":
            fuelType_feat=2
        elif fuelType_feat=="diesel":
            fuelType_feat=3
        elif fuelType_feat=="lgp":
            fuelType_feat=4
        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">
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    <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;
```
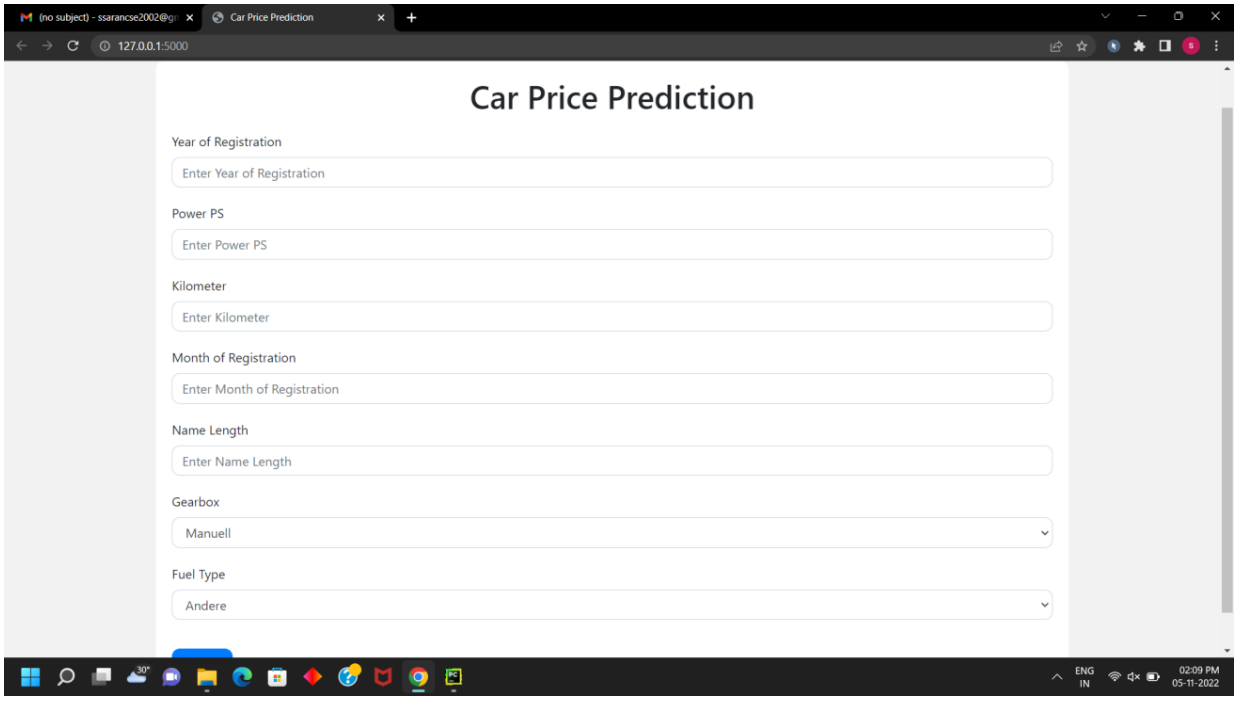
- **Application webpage**