PROJECT DEVELOPMENT PHASE

DELIVERY OF SPRINT-3

DATE	8 November 2022
TEAM ID	PNT2022TMID44545
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":
```
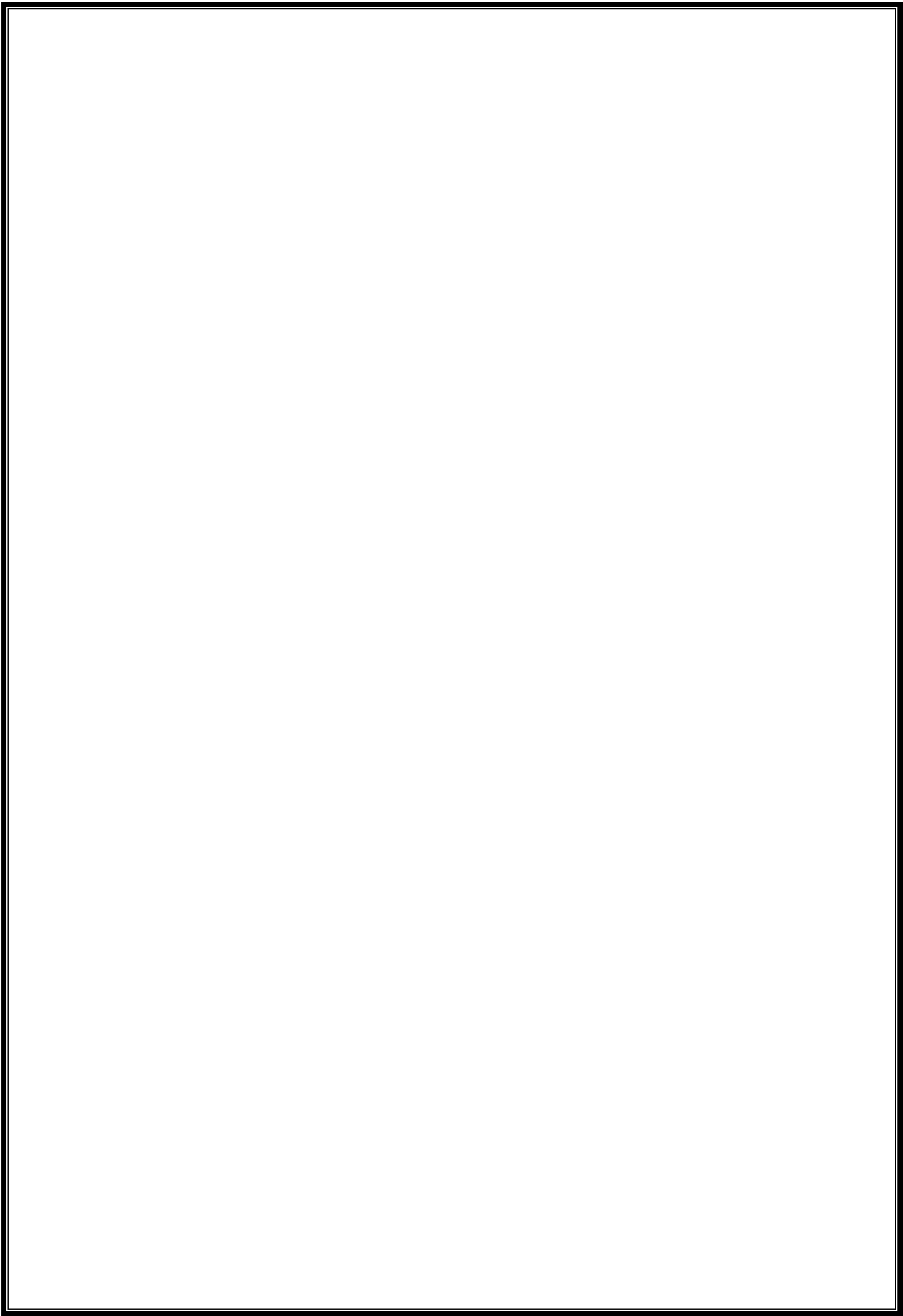
- **HTML design code**

```
<!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="sha384-3
    <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**

Car Price Prediction

Year of Registration

Enter Year of Registration

Power PS

Enter Power PS

Kilometer

Enter Kilometer

Month of Registration

Enter Month of Registration

Name Length

Enter Name Length

Gearbox

Manuell

Fuel Type

Andere