

# PROJECT DEVELOPMENT PHASE

## DELIVERY OF SPRINT-3

DATE	8 November 2022
TEAM ID	PNT2022TMID15496
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=="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">
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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

02:09 PM  
05-11-2022

