

# PROJECT DEVELOPMENT PHASE

## DELIVERY OF SPRINT-2

|              |                             |
|--------------|-----------------------------|
| DATE         | 3 November 2022             |
| TEAM ID      | PNT2022TMID15486            |
| 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":
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-Ci3wR/cwLfPx3A1Gnx8HAbz+7VI/LysZKwvZTZgm12Wz10pxKq8w8P+h2wek" crossorigin="anonymous">
  <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;
    }
  </style>
</head>
<body>
  <div class="container">
    <div class="form-group">
      <input type="text" class="form-control" value="Car Price Prediction">
    </div>
  </div>
</body>
</html>
```

- **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

127.0.0.1:5000

ENG IN 02:09 PM 05-11-2022

