

# 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**

```
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-
  <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**

The screenshot displays a web browser window with the title "Car Price Prediction". The address bar shows the local IP address "127.0.0.1:5000". The application interface includes the following elements:

- Title:** Car Price Prediction
- Inputs:**
  - 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 (dropdown menu)
  - Fuel Type: Andere (dropdown menu)

The Windows taskbar at the bottom shows the date and time as "02:09 PM 05-11-2022" and the language as "ENG IN".

