Date	01 November 2022
Team ID	PNT2022TMID37289
Project Name	Car resale value prediction

Index.html

```
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible"
content="IE=edge">
    <meta name="viewport" content="width=device-width,
initial-scale=1.0">
    <title>Document</title>
    <link rel="stylesheet"
href="{{url_for('static',filename='css/main.css')}}">
</head>
<style>
    .center {
        margin: auto;
        width: 50%;
        text-align: center;
        padding: 10px;


    }

    .center {
        margin: 0;
        position: absolute;
```

```
        top: 30%;
        left: 50%;
        transform: translate(-50%, -50%);
    }

    .submit {
        background: #FF8787;
        border-radius: 00.3rem;
        font-weight: 700;
        transition: all 0.3s;
    }

    .p {
        margin: 10vh;
    }
</style>

<body>
    <h1>Car Resale Price Prediction </h1>

    <h2>Welcome</h2>
    <div class=center>
        <form >
            <div class="p">
                    <p>With difficult economic conditions, it is
likely that sales of second-hand imported
                    (reconditioned) cars and us
                    ed cars will increase.
                    In many developed countries, it is
common to lease a car rather than buying it outright.
After
                    the lease period is over, the buyer has
the possibility to
```

buy the car at its residual value, i.e. its expected resale value. Thus, it is of commercial interest to sellers/financer s to be able to predict the salvage value (residual value) of cars with accuracy.

In order to predict the resale value of the car, we proposed an intelligent, flexible, and effective system that is bas ed on using regression algorithms. Considering the main factors which would affect the resale value of a vehicle a regression model is to be built th at would give the nearest resale value of the vehicle. We will be using various regression algorithms and algorithm with the best accuracy will be taken as a solution, then it will be integrated to the web-based application where the user is notified with the status of his product.

<button class="submitButton">Proceed</button>

```
    </div>


    </div>
    </div>
    </div>
</body>

</html>
```

Input.html

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8" />
  <meta http-equiv="X-UA-Compatible"
content="IE=edge" />
  <meta name="viewport" content="width=device-width,
initial-scale=1.0" />
  <title>input</title>
  <link rel="stylesheet"
href="{{url_for('static',filename='css/input.css')}}" />
</head>

<body>
  <h1 class="fillDetails">
    <center>Please fill the details of your car:</center>
  </h1>
  <div class="center">
    <form action="/dosubmit" method='post'>
```

```
    <div class="outerFlex">

      <div class="flexUnit">
        <label for="abtest">AB Test :</label>
        <div>
          <input type="radio" name="abtest" id="test"
value="0" />
          <label for="test" for="abtest">Test</label>
          <input type="radio" name="abtest" id="control"
value="1" />
          <label for="control" for="abtest">Control</label>
        </div>
      </div>

      <div class="flexUnit">
        <label for="vehicle">Choose Vehicle Type
:</label>
        <select name="vehicle">
          <option value="0">Coupe</option>
          <option value="1">SUV</option>
          <option value="2">Kleinwagen</option>
          <option value="3">Limousine</option>
          <option value="4">Cabrio</option>
          <option value="5">Bus</option>
          <option value="6">Kombi</option>
          <option value="7">Others</option>
        </select>
      </div>

      <div class="flexUnit">
        <label for="">Reg Year :</label><input
type="number" min="1970" name="reg_year" />
      </div>
```

```
        <div class="flexUnit">
          <label for="gearBox">Gear Box Type :</label>
          <div>
            <input type="radio" id="manual"
name="gearBox" value="0" />
            <label for="manual">Manual</label>
            <input type="radio" id="automatic"
name="gearBox" value="1" />
            <label for="automatic">Automatic</label>
          </div>
        </div>

        <div class="flexUnit">
          <label for="">Power of car in PS :</label><input
type="number" min="0" name="power_ps" />
        </div>

        <div class="flexUnit">
          <label for="">Kilometer the car has
driven:</label><input type="number" min="0"
name="kilometer_driven" />
        </div>

        <div class="flexUnit">
          <label for="">Reg Month :</label><input
type="number" min="1" max="12" name="reg_month" />
        </div>

        <div class="flexUnit">
          <label for="fuel">Choose Fuel Type :</label>
          <div>
            <select name="fuel">
```

```
            <option value="0">Diesel</option>
            <option value="1">Benzene</option>
            <option value="2">LPG</option>
            <option value="4">Hybrid</option>
            <option value="5">CNG</option>
            <option value="6">Elektro</option>
            <option value="3">Others</option>
          </select>
          <br />
        </div>
      </div>

      <div class="flexUnit">
        <label for="">Model Type :</label><input
type="text"  name="model_type" />
      </div>

      <div class="flexUnit">
        <label for="brand">Choose the brand of the Car
:</label>
        <div>
          <select name="brand">
            <option value="0">Alfa Romeo</option>
            <option value="1">Audi</option>
            <option value="2">BMW</option>
            <option value="3">Chevrolet</option>
            <option value="4">Chrysler</option>
            <option value="5">Citroen</option>
            <option value="6">Dacia</option>
            <option value="7">Daewoo</option>
            <option value="8">Daihatsu</option>
            <option value="9">Fiat</option>
            <option value="10">Ford</option>
```

```
      <option value="11">Honda</option>
      <option value="12">Hyundai</option>
      <option value="13">Jaguar</option>
      <option value="14">Jeep</option>
      <option value="15">Kia</option>
      <option value="16">Lada</option>
      <option value="17">Lancia</option>
      <option value="18">Land Rover</option>
      <option value="19">Mazda</option>
      <option value="20">Mercedes Benz</option>
      <option value="21">Mini</option>
      <option value="22">Mitsubishi</option>
      <option value="23">Nissan</option>
      <option value="24">Opel</option>
      <option value="25">Peugeot</option>
      <option value="26">Porsche</option>
      <option value="27">Renault</option>
      <option value="28">Rover</option>
      <option value="29">Saab</option>
      <option value="30">Seat</option>
      <option value="31">Skoda</option>
      <option value="32">Smart</option>
      <option value="33">Sonstige Autos</option>
      <option value="34">Subaru</option>
      <option value="35">Suzuki</option>
      <option value="36">Toyota</option>
      <option value="37">Trabant</option>
      <option value="38">Volkswagen</option>
      <option value="39">Volvo</option>
    </select>
  </div>
</div>
```

```
        <div class="flexUnit">
          <label for="">Pin Code :</label><input
type="number"  name="pin_code" />
        </div>

        <div class="flexUnit">
          <div>
            <label for="carDamage">Is your car damaged
:</label>
          </div>
          <div>
            <input type="radio" id="yes" name="carDamage"
value="1" />
            <label for="yes">Yes</label>
            <input type="radio" id="no" name="carDamage"
value="0" />
            <label for="no">No</label>
          </div>
        </div>
        <button class="submitButton">Predict</button>
      </div>
    </form>
  </div>
</body>

</html>
```

Output.html

```
<!doctype html>
<html>
```

```
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible"
content="IE=edge">
    <meta name="viewport" content="width=device-width,
initial-scale=1.0">
    <title>Document</title>
    <link rel="stylesheet"
href="{{url_for('static',filename='css/output.css')}}">
</head>

<body>

    <div class="container">

        <div class="flex">
            <div class="textB"> The estimated price of your
car is {{ prediction }}</div>

            <div class="textS">The price of any car over the
years depreciates and is dependent upon various
factors that
                determine the
                resale
                value of the car. These factors range from
year of purchase, make, model, kilometers driven and
overall
                condition of the car. Used car valuation
incorporates all these factors into the pricing model that
                takes
                into
                account data from millions of buyers & sellers
of used cars to determine the most accurate price range
```

```
                for
                your
                car.
            </div>
        </div>

    </div>

</body>

</html>
```