Date	15 November 2022
Team ID	PNT2022TMID14448
Project Name	Car Resale Value Prediction

Building HTML Page:

Index.html

<!DOCTYPE html>

<html lang="en">

<head xmlns="http://www.w3.org/1999/xhtml">

  <meta charset="UTF-8">

  <title>Car Price Predictor</title>

  <link rel="stylesheet" href="static/css/style.css">

  <link rel="stylesheet" type="text/css"

    href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.11.2/css/all.css">

  <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>

  <script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"

    integrity="sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"

    crossorigin="anonymous"></script>

  <!-- Bootstrap CSS -->

  <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/css/bootstrap.min.css"

    integrity="sha384-9aIt2nRpC12Uk9gS9baDl411NQApFmC26EwAOH8WgZl5MYYxFfc+NcPb1dKGj7Sk"
crossorigin="anonymous">

  <script src="https://cdn.jsdelivr.net/npm/@tensorflow/tfjs@2.0.0/dist/tf.min.js"></script>

</head>

<body class="bg-dark">

<div class="container">

  <div class="row">

    <div class="card mt-50" style="width: 100%; height: 100%">

      <div class="card-header" style="text-align: center">

```html
<h1>Car Resale Price Predictor</h1>
</div>
<div class="card-body">
  <div class="col-12" style="text-align: center">
    <h5>This app predicts the price of a car you want to sell. Try filling the details below: </h5>
  </div>
  <br>
  <form method="post" accept-charset="utf-8" name="Modelform">
    <div class="col-md-10 form-group" style="text-align: center">
      <label><b>Select the company:</b> </label><br>
      <select class="selectpicker form-control" id="company" name="company" required="1"
              onchange="load_car_models(this.id,'car_models')">
        {% for company in companies %}
        <option value="{{ company }}">{{ company }}</option>
        {% endfor %}
      </select>
    </div>
    <div class="col-md-10 form-group" style="text-align: center">
      <label><b>Select the model:</b> </label><br>
      <select class="selectpicker form-control" id="car_models" name="car_models" required="1">
      </select>
    </div>
    <div class="col-md-10 form-group" style="text-align: center">
      <label><b>Select Year of Purchase:</b> </label><br>
      <select class="selectpicker form-control" id="year" name="year" required="1">
        {% for year in years %}
        <option value="{{ year }}">{{ year }}</option>
        {% endfor %}
      </select>
    </div>
```

```html
<div class="col-md-10 form-group" style="text-align: center">

    <label><b>Select the Fuel Type:</b> </label><br>

    <select class="selectpicker form-control" id="fuel_type" name="fuel_type"
required="1">

        {% for fuel in fuel_types %}

        <option value="{{ fuel }}">{{ fuel }}</option>

        {% endfor %}

    </select>

</div>

<div class="col-md-10 form-group" style="text-align: center">

    <label><b>Enter the Number of Kilometres that the car has travelled:</b>
</label><br>

    <input type="text" class="form-control" id="kilo_driven" name="kilo_driven"

        placeholder="Enter the kilometres driven ">

</div>

<div class="col-md-10 form-group" style="text-align: center">

    <button class="btn btn-primary form-control" onclick="send_data()">Predict
Price</button>

</div>

    </form>

    <br>

    <div class="row">

        <div class="col-12" style="text-align: center">

            <h4><span id="prediction"></span></h4>

        </div>

    </div>

</div>

</div>

</div>


<script>
```

```
function load_car_models(company_id,car_model_id)
{
    var  company=document.getElementById(company_id);
    var car_model= document.getElementById(car_model_id);
    console.log(company.value);
    car_model.value="";
    car_model.innerHTML="";
    {% for company in companies %}
      if( company.value == "{{ company }}")
      {
        {% for model in car_models %}
          {% if company in model %}


            var newOption= document.createElement("option");
            newOption.value="{{ model }}";
            newOption.innerHTML="{{ model }}";
            car_model.options.add(newOption);
          {% endif %}
        {% endfor %}
      }
    {% endfor %}
}


function form_handler(event) {
    event.preventDefault(); // Don't submit the form normally
}
function send_data()
{
    document.querySelector('form').addEventListener("submit",form_handler);


    var fd=new FormData(document.querySelector('form'));
```

```javascript
    var xhr= new XMLHttpRequest({mozSystem: true});


    xhr.open('POST','/predict',true);

    document.getElementById('prediction').innerHTML="Wait! Predicting Price.....";

    xhr.onreadystatechange = function(){

      if(xhr.readyState == XMLHttpRequest.DONE){

        document.getElementById('prediction').innerHTML="Prediction: ₹"+xhr.responseText;


      }

    };


    xhr.onload= function(){};


    xhr.send(fd);

  }
</script>



<!-- jQuery first, then Popper.js, then Bootstrap JS -->
<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"
    integrity="sha384-
DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
    crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"
    integrity="sha384-
Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"
    crossorigin="anonymous"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.min.js"
    integrity="sha384-
OgVRvuATP1z7JjHLkuOU7Xw704+h835Lr+6QL9UvYjZE3Ipu6Tp75j7Bh/kR0JKI"
    crossorigin="anonymous"></script>
</body>
</html>
```

Style.css:

```css
.{
    margin: 0;
    padding: 0;
    box-sizing: border-box;
}
.bg-dark{
        background-color: #75767B;
}



.mt-50{
        margin-top: 60px;
}
#canvas{
    border: 3px solid black;
}
```