Project	Car Resale value prediction
Team ID	PNT2022TMID13795
Date	27 August 2022

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"</pre>
       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">
```

```
<h1>Car Resale Price Predictor</h1>
                                                 </div>
                                                 <div class="card-body">
                                                    <div class="col-12" style="text-align:</pre>
                                                    center">
                                                      <h5>This app predicts the price of a car you
</h5>
                                                      want to sell. Try filling the details below:
                                                    </div>
                                                    <br>
                                                    <form method="post" accept-charset="utf-8"</pre>
                                                    name="Modelform">
                                                      <div class="col-md-10 form-group"</pre>
                                                      style="text-align: center">
                                                         <label><b>Select the company:</b>
                                                         </label><br>
                                                         <select class="selectpicker form-control"</pre>
                                                         id="company" name="company"
required="1"
                                                      onchange="load car models(this.id,'car m
                                                      odels')">
                                                    {% 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"</p>
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 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"</pre>
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"</pre>
                                                      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/>br>
         <div class="row">
            <div class="col-12" style="text-align: center">
              <h4><span id="prediction"></span></h4>
            </div>
         </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'));
```

```
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>
<!-- ¡Query first, then Popper.js, then Bootstrap JS -->
<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"</pre>
    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"</pre>
    integrity="sha384-
Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"
    crossorigin="anonymous"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.min.js"</pre>
    integrity="sha384-
OgVRvuATP1z7JjHLkuOU7Xw704+h835Lr+6QL9UvYjZE3Ipu6Tp75j7Bh/kR0JKI"
    crossorigin="anonymous"></script>
</body>
</html>
```

Style.css:

```
.{
  margin: 0;
  padding: 0;
  box-sizing: border-box;
}
.bg-dark {
    background-color: #75767B;
}
.mt-50 {
  margin-top: 50px;
}
#canvas {
  border: 2px solid black;
}
```