Date	17 November 2022
Team ID	PNT2022TMID30912
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"</pre>
      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"</pre>
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">

```
<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"</pre>
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"</pre>
required="1">
              </select>
            </div>
            <div class="col-md-10 form-group" style="text-align: center">
              <label><b>Select Year of Purchase:</b> </label><br/>br>
              <select class="selectpicker form-control" id="year" name="year" required="1">
                 {% for year in years %}
                 <option value="{{ year }}">{{ year }}</option>
                 {% endfor %}
              </select>
            </div>
```

```
<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" id="kilo_driven" name="kilo_driven"</pre>
                   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>
</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>
<!-- jQuery 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: 60px;
}
#canvas{
  border: 3px solid black;
}
```