

Date	17 November 2022
Team ID	PNT2022TMID30858
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-

9aIt2nRpC12Uk9gS9baDl411NQApFmC26EwAOH8WgZl5MYYYxFc+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"
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>

```

```

<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>
</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"
    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:

```
.{  
    margin: 0;  
    padding: 0;  
    box-sizing: border-box;  
}  
.bg-dark{  
    background-color: #75767B;  
}  
  
.mt-50{  
    margin-top: 60px;  
}  
#canvas{  
    border: 3px solid black;  
}
```