Name: Gaurav Kumar Singh

Registration Number: 19BCE2119

Course: Web Technology (ITE-1002) L11-12

Digital Assignment – 3

1. **CODE:**

```html
<html>

<head>
  <script src="http://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
  <meta name="viewport" content="width=device-width">
  <style>
    table,
    td {
      border: 1px solid black;
      margin: 5%;
      font-family: "Trebuchet MS", Arial,
        Helvetica, sans-serif;
    }

    tr:hover {
      background-color: #ddd;
    }

    td {
      padding: 10px;
      padding-bottom: 12px;
      text-align: left;
      color: black;
    }
```

```css
        th {

            padding-top: 10px;

            padding-bottom: 10px;

            text-align: left;

            background-color: #f2a0e9;

            color: white;

        }
```
```html
</style>
```
```html
<script>
    $(document).ready(function () {
        $("#submit").click(function () {
            details = [{
                "Student": $("#Student").val(),
                "student_name": $("#student_name").val(),
                "P_NAME": {
                    "Mname": $("#Mname").val(),
                    "Pname": $("#Pname").val(),
                },
                "dob": {
                    "date": $("#date").val(),
                    "month": $("#month").val(),
                    "year": $("#year").val(),
                },
                "blood": $("#blood").val(),
                "email": $("#email").val(),
                "phone": {
                    "m": $("#m").val(),
                    "l": $("#l").val(),
                },
                "address": {
                    "dno": $("#dno").val(),
```

```javascript
        "street": $("#street").val(),

        "place": $("#place").val(),

        "pin": $("#pin").val(),

        "country": $("#country").val(),

    },

    "degree": $("#degree").val(),

}];

var tbl = $("<table/>").attr("id", "mytable");

var tblr1 = "<thead><tr><th>ID</th><th>Student name < /th><th>Parents Name</th > < th >
DOB < /th><th> Blood Group </th > < th >Email < /th><th> Phone </th > < th > Address < /th><th> Degree
</th > </tr> </thead > ";

$("#div1").append(tbl);

$("#mytable").append(tblr1);

for (var i = 0; i <

    details.length; i++) {

    var tr = "<tr>";

    var td = "<td>" + details[i]["Student"] +

        "</td>";

    var td1 = "<td>" + details[i]["student_name"] + "</td>";

    var td2 = "<td>" + "MOM: " + details[i]["P_NAME"]["Mname"] + " DAD: " +

        details[i]["P_NAME"]["Pname"] + "</td>";

    var td3 = "<td>" + details[i]["dob"]["date"] + "-" + details[i]["dob"]["month"] +

        "-" +

        details[i]["dob"]["year"] + "</td>";

    var td4 = "<td>" + details[i]["blood"] + "</td>";

    var td5 = "<td>" + details[i]["email"] + "</td>";

    var td6 = "<td>" + details[i]["phone"]["m"] + " " + details[i]["phone"]["l"] +

        "</td>";

    var td7 = "<td>" + details[i]["address"]["dno"] + " ," + details[i]["address"][

            "street"

        ] +

        ", " + details[i]["address"]["place"] + " ," + details[i]["address"]["pin"] +
```

```
                    "," +
                    details[i]["address"]["country"] + "</td>";
                var td8 = "<td>" + details[i]["degree"] +
                    "</td>";


                $("#mytable").append(tr + td + td1 + td2 + td3 + td4 + td5 + td6 + td7 + td8);
            }


        });
    });
    </script>
</head>


<body>
    <h1>STUDENT DETAILS</h1>
    <table style="border: 1px solid black;" id="detail_table">
        <form id="form1" class="form1class" action="">


            <tr>
                <td><label for="student_name">Name: </label></td>
                <td><input type="text" id="student_name" placeholder="Enter your name" required></td>


            </tr>
            <tr>
                <td><label for="P_NAME">Parents name </label></td>
                <td><input type="text" id="Mname" placeholder="Enter your Mothers name" required></td>
                <td><input type="text" id="Pname" placeholder="Enter your Fathers name" required></td>
            </tr>
            <tr>
                <td><label for="dob">Date of Birth: </label></td>
                <td><input type="number" id="date" required placeholder="dd"></td>
                <td><input type="number" id="month" required placeholder="mm"></td>
```

```html
        <td><input type="number" id="year" required placeholder="yyyy"></td>
      </tr>
      <tr>
        <td><label for="blood">Blood group:</label></td>
        <td><input type="text" id="blood" required></td>
      </tr>
      <tr>
        <td><label for="email">Email:</label></td>
        <td><input type="email" id="email" required></td>
      </tr>
      <tr>
        <td><label for="phone">Phone number:</label></td>
        <td><input type="tel" id="m" placeholder=" Enter mobile" required></td>
        <td><input type="tel" id="l" placeholder=" Enter landline" required></td>
      </tr>
      <tr>
        <td><label for="address">Address</label></td>
        <td><input type="number" id="dno" placeholder="Enter door no" required></td>
        <td><input type="text" id="street" placeholder="Enter street name" required></td>
        <td><input type="text" id="place" placeholder="Enter place name" required></td>
        <td><input type="number" id="pin" placeholder="Enter pin code" required></td>
        <td><input type="text" id="country" placeholder="Enter country" required></td>
      </tr>
      <tr>
        <td><label for="degree">Degree:</label></td>
        <td><input type="text" id="degree" required></td>
      </tr>
      <tr style="align-items: center;">
        <td colspan="8"><input type="button" value="Submit" id="submit" name="submitbutton"></td>
      </tr> </form>
        </table> <p id="display"></p>
      <div id="div1"></div>
```

```
</body>


</html>
```

SCREENSHOTS:

STUDENT DETAILS

Name:	Gaurav Kumar Singh			
Parents name	p	m		
Date of Birth:	13	09	2000	
Blood group:	O+			
Email:	gauravkumarsingh1020@gm			
Phone number:	9664395951	Enter landline		
Address	171	B-171, Ras Township Bagatp	Pali	306101	India
Degree:	B.Tech.			
Submit				

ID	Student name < /th>	Parents Name	Blood Group	Phone	Degree			
undefined	Gaurav Kumar Singh	MOM: p DAD: m	13-09-2000	O+	gauravkumarsingh1020@gmail	9664395951	171 ,B-171, Ras Township Bagatpura, Pali ,306101 ,India	B.Tech.

2. CODE:

```
<!DOCTYPE html>

<html>

<script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.6.9/angular.min.js"></script>

<link rel="stylesheet" href="https://www.w3schools.com/w3css/4/w3.css">

<body>


<script>

var app = angular.module("myShoppingList", []);

app.controller("myCtrl", function($scope) {

    $scope.products = [];

    $scope.addItem = function () {

        $scope.errortext = "";

        if (!$scope.addMe) {return;}

        if ($scope.products.indexOf($scope.addMe) == -1) {

            $scope.products.push($scope.addMe);
```

```
      } else {

        $scope.errortext = "The item is already in your shopping list.";

      }

    }

    $scope.removeItem = function (x) {

      $scope.errortext = "";

      $scope.products.splice(x, 1);

    }

});

</script>


<div ng-app="myShoppingList" ng-cloak ng-controller="myCtrl" class="w3-card-2 w3-margin" style="max-width:400px;">

  <header class="w3-container w3-light-grey w3-padding-16">

    <h3>My Shopping List</h3>

  </header>

  <ul class="w3-ul">

    <li ng-repeat="x in products" class="w3-padding-16">{{x}}<span ng-click="removeItem($index)" style="cursor:pointer;" class="w3-right w3-margin-right">×</span></li>

  </ul>

  <div class="w3-container w3-light-grey w3-padding-16">

    <div class="w3-row w3-margin-top">

      <div class="w3-col s10">

        <input placeholder="Add shopping items here" ng-model="addMe" class="w3-input w3-border w3-padding">

      </div>

      <div class="w3-col s2">

        <button ng-click="addItem()" class="w3-btn w3-padding w3-green">Add</button>

      </div>

    </div>

    <p class="w3-text-red">{{errortext}}</p>

  </div>

</div>
```

```
</body>

</html>
```

SCREENSHOTS:

3. CODE:

```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>

</head>

<body>
  <div>
```

```html
<form method=GET>
  <label for="products">Choose a product:</label>
  <select name="products" id="products">
  </select>
  <option></option>
  <br><br>
  <button type=button id=btn>Check</button>
</form>
</div>
<div>
  <table id=table>
    <thead>
      <th>ProductID</th>
      <th>Name</th>
      <th>Price</th>
      <th>Stock</th>
      <th>Type</th>
    </thead>
    <tbody>

    </tbody>
  </table>
</div>
<script type="text/javascript" src="http://ajax.googleapis.com/ajax/libs/jquery/1.6.2/jquery.min.js">
</script>
<script>
  var X
  var fun= async ()=>{
    let dropdown = await $('#products');
    console.log(dropdown.length)
    dropdown.empty();
    dropdown.append('<option selected="true" disabled>Choose product</option>');
```
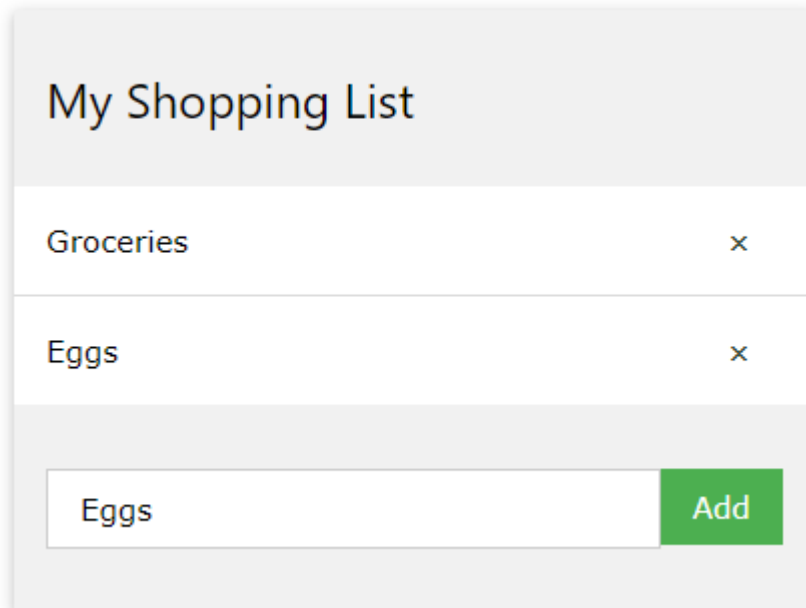
```javascript
        dropdown.prop('selectedIndex', 0);

        await $.getJSON('3.json', function (data) {

            console.log(data.Products)

            X=data.Products

        })

        $.each(X, (key, entry)=>{

            console.log(entry.name)

            dropdown.append($('<option></option>').attr('value', entry.ProductID).text(entry.name));

        });

    }

    fun()


    $('#btn').click(()=>{

        $('#table tbody').empty();

        var val=$("form").serializeArray();

        console.log(val[0].value)

        var pid=val[0].value;

        for (var i=0; i<X.length; i++){

            if(pid==X[i].ProductID){

                $('tbody').append('<tr><td>'+X[i].ProductID+'</td><td>'+X[i].name+'</td><td>'+X[i].price+'</td>'+'<td>'+X[i].stock+'</td>'+'<td>'+X[i].type+'</td>'+'</tr>')

            }

        }

    })


  </script>
</body>


</html>
```

JSON FILE:

```
{
```

    "Products": [

        {

            "ProductID": "1",

            "name": "A",

            "price": "10",

            "stock": "10",

            "type": "z"

        },

        {

            "ProductID": "2",

            "name": "B",

            "price": "20",

            "stock": "20",

            "type": "y"

        },

        {

            "ProductID": "3",

            "name": "C",

            "price": "30",

            "stock": "30",

            "type": "x"

        }

    ]

}

SCREENSHOTS:

Choose a product: [B ▼]

[Check]

ProductID Name Price Stock Type
3   C   30   30   x

4. CODE:

```
<!DOCTYPE html>

<html>

<script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.6.9/angular.min.js"></script>

<body>


<h2>Validation</h2>


<form ng-app="myApp" ng-controller="validateCtrl"

name="myForm" novalidate>


<p>Your Name (required)<br>

<input type="text" name="user" ng-model="user" required>

<span style="color:red" ng-show="myForm.user.$dirty && myForm.user.$invalid">

<span ng-show="myForm.user.$error.required">Name is required.</span>

</span>

</p>


<p>Your Email (required)<br>

<input type="email" name="email" ng-model="email" required>

<span style="color:red" ng-show="myForm.email.$dirty && myForm.email.$invalid">

<span ng-show="myForm.email.$error.required">Email is required.</span>

<span ng-show="myForm.email.$error.email">Invalid email address.</span>

</span>

</p>
```

```html
<p>Your Phone <br>
  <input type="text" name="phone" ng-model="phone" ng-pattern="/^[0-9]{10}$/" required>
  <span style="color:red" ng-show="myForm.phone.$dirty && myForm.phone.$invalid">
  <span ng-show="myForm.phone.$error.required">Phone number is required.</span>
  <span ng-show="myForm.phone.$error.pattern">Phone number is invalid.</span>
  </span>
</p>

<p>Website<br>
  <input type="text" name="url" ng-model="url" ng-pattern="/[-a-zA-Z0-9@:%_\+.~#?&//=]{2,256}\.[a-z]{2,4}\b(\/[-a-zA-Z0-9@:%_\+.~#?&//=]*)?/" required>
  <span style="color:red" ng-show="myForm.url.$dirty && myForm.url.$invalid">
  <span ng-show="myForm.url.$error.required">Website is required.</span>
  <span ng-show="myForm.url.$error.pattern">Website is invalid.</span>
  </span>
</p>

<p>Credit Card<br>
  <input type="text" name="card" ng-model="card" ng-pattern="/^[0-9]{18}$/" required>
  <span style="color:red" ng-show="myForm.card.$dirty && myForm.card.$invalid">
  <span ng-show="myForm.card.$error.required">Credit card number is required.</span>
  <span ng-show="myForm.card.$error.pattern">Credit card number is invalid.</span>
  </span>
</p>

<p>Date<br>
  <input type="text" name="date" ng-model="date" ng-pattern="/^(0?[1-9]|[12][0-9]|3[01])[\/\-](0?[1-9]|1[012])[\/\-]\d{4}$/" required>
  <span style="color:red" ng-show="myForm.date.$dirty && myForm.date.$invalid">
  <span ng-show="myForm.date.$error.required">Date is required.</span>
  <span ng-show="myForm.date.$error.pattern">Date is invalid.</span>
```

```
    </span>

</p>


<p>

<input type="submit"

ng-disabled="myForm.user.$dirty && myForm.user.$invalid ||

myForm.email.$dirty && myForm.email.$invalid || myForm.phone.$dirty && myForm.phone.$invalid ||
myForm.url.$dirty && myForm.url.$invalid

|| myForm.card.$dirty && myForm.card.$invalid || myForm.date.$dirty && myForm.date.$invalid">

</p>


</form>


<script>

var app = angular.module('myApp', []);

app.controller('validateCtrl', function($scope) {

    $scope.user = "Gaurav"

    $scope.email = "gauravkumar.singh2019@vitstudent.ac.in"

    $scope.phone = "9664395951"

    $scope.url = "";

    $scope.card =  "111111111111111111";

    $scope.date = ""

});

</script>


</body>

</html>
```

SCREENSHOTS:

Validation

Your Name (required)

Gaurav

Your Email (required)

gauravkumar.singh2019@vit

Your Phone

9664395951

Website

Credit Card

111111111111111111

Date

13/09/2024

Submit

5.
CODE:

- **app.module.ts**

```typescript
import { BrowserModule } from '@angular/platform-browser';
import { NgModule } from '@angular/core';
import { FormsModule } from '@angular/forms';
import { HttpModule } from '@angular/http';

import { AppComponent } from './app.component';
import { MenuComponent } from './menu.component';
import { WeatherComponent } from './weather/weather.component';
import { CurrencyComponent } from './currency/currency.component';
import { MovieComponent } from './movie/movie.component';
import { CONST_ROUTING } from './app.routing';
import { SharedService } from "./shared.service";

@NgModule({
  declarations: [
    AppComponent,
    MenuComponent,
    WeatherComponent,
    CurrencyComponent,
    MovieComponent
  ],
  imports: [
    BrowserModule,
    FormsModule,
    HttpModule,
```

```
    CONST_ROUTING
   ],
   providers: [SharedService],
  bootstrap: AppComponent})
  export class AppModule { }
```

- **app.component.ts**

```
  import { Component } from '@angular/core';

  @Component({
   selector: 'app-root',
   templateUrl: './app.component.html',
  styleUrls: './app.component.css'})
  export class AppComponent {
   title = 'My Angular 2 app works!';
  }
```

- **movie.component.ts**

```
simport { Component, OnInit } from '@angular/core';
import { SharedService } from "./../shared.service";

@Component({
 selector: 'app-movie',
 templateUrl: './movie.component.html',
 styles: })
export class MovieComponent implements OnInit {
  id_movie: string = "";
  mv_Title: string = "";
  mv_Rated: string = "";
  mv_Released: string = "";
  mv_Director: string = "";
  mv_Actors: string = "";
  mv_Plot: string = "";
  constructor(private _sharedService: SharedService) {
  }

  ngOnInit() {
  }

  callMovieService() {
    this._sharedService.findMovie(this.id_movie)
      .subscribe(
      lstresult => {
        this.mv_Title = lstresult["Title"];
        this.mv_Rated = lstresult["Rated"];

        this.mv_Released = lstresult["Released"];
        this.mv_Director = lstresult["Director"];
        this.mv_Actors = lstresult["Actors"];
        this.mv_Plot = lstresult["Plot"];
      },
      error => {
        console.log("Error. The findMovie result JSON value is as follows:");
          console.log(error);
        }
        );
    }
  }
```

- **weather.component.ts**

```
import { Component, OnInit } from '@angular/core';
import { SharedService } from "./../shared.service";
@Component({
 selector: 'app-weather',
 templateUrl: './weather.component.html',
 styles:
})
```

```
export class WeatherComponent implements OnInit {
  id_city: string = "";
  id_state: string = "";
  op_city: string = "";
  op_region: string = "";
  op_country: string = "";
  op_date: string = "";
  op_text: string = "";
  op_temp: string = "";
  constructor(private _sharedService: SharedService) {
  }

  ngOnInit() {
  }

  callWeatherService() {
    this._sharedService.findWeather(this.id_city, this.id_state)
      .subscribe(
      lstresult => {
        this.op_city = lstresult["query"]["results"]["channel"]["location"]["city"];
        this.op_region = lstresult["query"]["results"]["channel"]["location"]["region"];
        this.op_country = lstresult["query"]["results"]["channel"]["location"]["country"];
        this.op_date = lstresult["query"]["results"]["channel"]["item"]["condition"]["date"];
        this.op_text = lstresult["query"]["results"]["channel"]["item"]["condition"]["text"];
        this.op_temp = lstresult["query"]["results"]["channel"]["item"]["condition"]["temp"];
      },
      error => {
        console.log("Error. The findWeather result JSON value is as follows:");
        console.log(error);
      }
      );
  }
}
```

- **currency.component.html**
```
<h2>Currency Exchange Rates</h2>
<div class="col-md-8 col-md-offset-2">
 <div class="form-group">
  <input    type="text"    [(ngModel)]="id_currency"    (change)="callCurrencyService()"
class="form-control" placeholder="Enter Currency Symbol. Example: GBP(,AUD,INR)...">
  <br><br>
  <h3>Rate Details</h3>
  <br>
  <p class="well lead">Exchange rate relative to Euro in a JSON format: : {{ this.my_result }}
</p>
  <p class="text-info">Total #of all the service requests including Weather, Movie, and
Currency is :
   <span   class="badge">{{this._sharedService.totReqsMade}}</span>
  </p>
 </div>
</div>
```

- **movie.component.html**

```html
  <h2>Open Movie Database</h2>
<div class="col-md-8 col-md-offset-2">
 <div class="form-group">
 <input type="text" required [(ngModel)]="id_movie" (change)="callMovieService()"
class="form-control" placeholder="Enter Movie name ...">
 <br><br>
 <h3>Movie Details</h3>
 <br>
 <p class="well lead">
   <i> Title :</i> {{ this.mv_Title }} <br>
   <i> Plot :</i> {{ this.mv_Plot }} <br>
   <i> Actors :</i> {{ this.mv_Actors }} <br>
   <i> Directed by :</i> {{ this.mv_Director }} <br>
   <i> Rated :</i> {{ this.mv_Rated }} <br>
   <i> Release Date :</i> {{ this.mv_Released }} <br>
 </p>
 <p class="text-info">Total #of all the service requests including Weather, Movie, and
Currency is :
   <span  class="badge">{{this._sharedService.totReqsMade}}</span>
 </p>
 </div>
</div>
```

- **weather.component.html**

```html
<h2>Yahoo! Weather </h2>
<div class="col-md-8 col-md-offset-2">
 <div class="form-group">
 <input type="text" [(ngModel)]="id_city" class="form-control" placeholder="Enter City
name ..."><br>
 <input type="text" [(ngModel)]="id_state" class="form-control" placeholder="Enter State.
Example CA for California ..."><br>
 <button             type="button"             class="btn             btn-primary"
(click)="callWeatherService()">Submit</button>
 <br><br><br>
 <br>
 <p class="well lead">
  <i>City, State, Country :</i> {{ this.op_city }} {{ this.op_region }} {{ this.op_country }} <br>
  <i>Current Condition :</i> {{ this.op_text }} <br>
  <i>Current Temperature :</i> {{ this.op_temp }} <br>
 </p>
 <p class="text-info">Total #of all the service requests including Weather, Movie, and
Currency is :
   <span  class="badge">{{this._sharedService.totReqsMade}}</span>
 </p>
 </div>
</div>     <i> Release Date :</i> {{ this.mv_Released }} <br>
 </p>
```

```html
  <p class="text-info">Total #of all the service requests including Weather, Movie, and
Currency is :
    <span  class="badge">{{this._sharedService.totReqsMade}}</span>
 </p>
 </div>
</div>
```

- **menu.component.html**

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

<head>
 <meta charset="utf-8">
 <title>DwNg2App</title>
 <base href="/">
 <!-- Latest compiled and minified CSS -->
<link                                                           rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css"
integrity="sha384-BVYiiSIFeK1dGmJRAkycuHAHRg32OmUcww7on3RYdg4Va+PmSTsz/
K68 vbdEjh4u" crossorigin="anonymous">
 <!-- Latest compiled and minified CSS -->
 <link                                                           rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css"
integrity="sha384-BVYiiSIFeK1dGmJRAkycuHAHRg32OmUcww7on3RYdg4Va+PmSTsz
/K68 vbdEjh4u"     crossorigin="anonymous">

 <meta  name="viewport"  content="width=device-width,  initial-scale=1">
 <link  rel="icon"  type="image/x-icon"  href="favicon.ico">
</head>

<body>
 <app-root>Loading...</app-root>
</body>
</html>
```
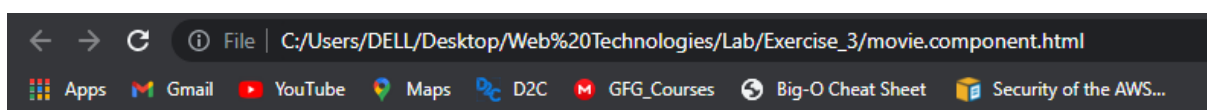
SCREENSHOTS

- Weather
- Movie Details
- Currency Rates

Yahoo! Weather

San Francisco