

## ITE1002 - Web Technologies

### Lab Assignment 3

Lab slot: L-43+44

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Reg no: 19BIT0283

1. Develop a JSON program for creating 20 students personal information using the following fields as a inputs and print the outputs in table format (Use any Javascript/JQuery/AngularJS). student name, date\_of\_birth(date,month,year),parents(fathers\_name,mothers\_name), blood\_group,email,phone(landline,mobile),address(door\_no,street\_name,place\_name,pi ncode, country),degree(ug,pg and others).

<html>

<head>

<script src = "https://ajax.googleapis.com/ajax/libs/jquery/3.2.1/jquery.min.js"></script>

<style>

table, td{

border: 1px solid black;

margin: 5%;

font-family: "Trebuchet MS", Arial, Helvetica, sans-serif;

}

td:hover {

background-color: #ebff7;

}

td {

padding: 12px;

text-align: left;

color: black;

}

label{

width: 140px;

display: inline-block;

```
}

button{

    margin-left: 10%;

}


</style>

<script>

$(document).ready(function(){

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

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


    $('#submit').click(function(){

        var student = {

            name:$('#name').val(),

            dob:$('#date').val(),

            parent:{

                fname:$('#fname').val(),

                mname:$('#mname').val()

            },

            blood: $('#bloodg').val(),

            email: $("#emailid").val() ,

            phone: {

                landline:$('#land').val(),

                mobile:$('#mobile').val()

            },

            address:{

                door:$('#door').val(),

                street:$('#street').val(),

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

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

                country:$('#country').val(),
```

```
    },  
    degree:{  
        ug:$('#ug').val(),  
        pg:$('#pg').val(),  
        others:$('#others').val(),  
    }  
}  
  
console.log(student.degree.pg)  
  
var tr "<tr>";  
  
var td1 = "<td> student name : "+student.name + "</td>";  
  
var td2 = "<td> student dob : "+ student.dob + "</td>";  
  
var td3 = "<td> Father name : "+ student.parent.fname + "<br> Mother name: "  
+student.parent.mname + "</td>";  
  
var td4 = "<td> Blood group : "+ student.blood + "</td>";  
  
var td5 = "<td> Email: "+ student.email + "</td>";  
  
var td6 = "<td> Landline: "+ student.phone.landline +  
    "<br>Mobile: "+student.phone.mobile + "</td>";  
  
var td7 = "<td> Door: "+ student.address.door +  
    "<br>Street: "+ student.address.street +  
    "<br>Place: "+ student.address.place +  
    "<br>Pin: "+ student.address.pin +  
    "<br>Country: "+ student.address.country + "</td>";  
  
var td8 = "<td>UG :"+student.degree.ug +  
    "<br>PG: "+ student.degree.pg +  
    "<br>Others:" + student.degree.others + "</td>"  
$("##tbl").append(tr+td1+td2+td3+td4+td5+td6+td7+td8);  
})  
  
})  
</script>
```

```
</head>

<body>

    <label for="name">Name:</label>

    <input type="text" id="name"> <br><br>

    <label for="date">DOB:</label>  <input type="date" id="date" name="date"> <br><br>

    <label for="fname"> Father Name: </label><input type="text" name="fname" id="fname">
<br><br>

    <label for="mname"> Mother Name: </label><input type="text" name="mname"
id="mname"> <br><br>

    <label for="mname"> Blood Type: </label><input type="text" id="bloodg"> <br><br>

    <label for="emailid">Email: </label> <input type="text" name="emailid"
id="emailid"><br><br>

    <label for="land"> Landline Number: </label><input type="text" name="land"
id="land"><br><br>

    <label for="mobile">Mobile Number: </label> <input type="text" name="mobile"
id="mobile"><br><br>

    <label for="door" > Door: </label><input type="text" name="door" id="door"><br><br>

    <label for="street"> Street: </label><input type="text" name="street" id="street"><br><br>

    <label for="place"> Place: </label><input type="text" name="place" id="place"><br><br>

    <label for="pin"> Pin: </label><input type="text" name="pin" id="pin"><br><br>

    <label for="country"> Country: </label><input type="text" id="country"
name="con"><br><br>

    <label for="ug"> UG: </label><input type="text" id="ug" name="ug"><br><br>

    <label for="pg"> PG: </label><input type="text" id="pg" name="pg"><br><br>

    <label for="others"> Others:</label><input type="text" name="others" id="others"><br><br>

    <button type="submit" id="submit">Record</button>


    <div id="div1"></div>

</body>

</html>
```

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## HARI PRAKASH R

Ex-1.html

File | C:/Users/hari/Desktop/FALL%2020-21/WEB%20TECH/ELA/Ass-3/Ex-1.html

Name:

DOB:

Father Name:

Mother Name:

Blood Type:

Email:

Landline Number:

Mobile Number:

Door:

Street:

Place:

Pin:

Country:

UG:

PG:

Others:

Type here to search

1931  
26-09-2020

## AFTER INSERTING VALUES

Ex-1.html

File | C:/Users/hari/Desktop/FALL%2020-21/WEB%20TECH/ELA/Ass-3/Ex-1.html

Country:

UG:

PG:

Others:

student name : hari prakash	student dob : 2002-01-01	Father name : Rajesh Mother name: Abi	Blood group : o+	Email: ariprakash2002@gmail.com	Landline: nil Mobile: 7639625265	Door: 65 Street: Gokul nagar Place: Salem Pin: 636008 Country: India	UG :Btech PG: Others:
student name : prakash	student dob : 2002-01-16	Father name : karthi Mother name: sundari	Blood group : A+	Email: prakash2002@gmail.com	Landline: nil Mobile: 7778844554	Door: 60 Street: Gandhi nagar Place: vellore Pin: 632014 Country: India	UG :Btech PG: Mtech Others:
student name : ravi	student dob : 2005-04-16	Father name : Abishek Mother name: Uma	Blood group : AB+	Email: ravi@gmail.com	Landline: nil Mobile: 9944556677	Door: 20 Street: St thomas road Place: Chennai Pin: 600012 Country: India	UG :Btech PG: Others:

Type here to search

1930  
26-09-2020



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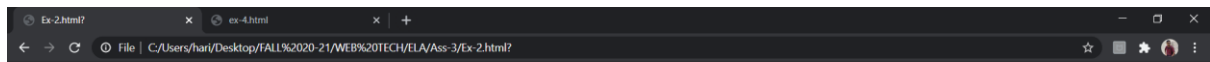
</ul>  
</div>

```
<script>
var app = angular.module('app1', []);
app.controller('addbook', function($scope) {
    $scope.List = [{Text:'Alex in Wonderland', done:false}];

    $scope.Addbelow = function() {
        $scope.List.push({Text:$scope.Input, done:false});
        $scope.Input = "";
    };
});
</script>
<script>
    $(document).ready(function(){
        $("#id1").click(function(event){
            $(this).parent().remove();
            event.stopPropagation();
        });
    });
</script>
</body>
</html>
```

# 19BIT0283

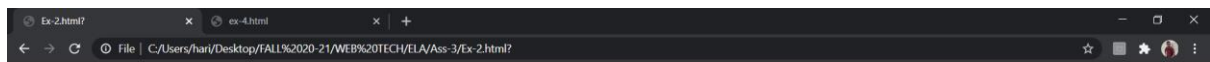
## HARI PRAKASH R



### Books

Add Book here

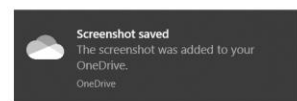
- Alex in Wonderland X
- Harry potter X
- Book 3 X
- Book 4 X



### Books

Add Book here

- Harry potter X
- Book 4 X





3. Product details are maintained in JSON file and gets it using AJAX. Develop the page contains a dropdown list which lists the value of product name. While clicking Availability button display the details of corresponding selected product as Product ID, name, price, stock and type

```
<html>

<head>

<script src="first.json"></script>

<script type=text/javascript>

function getD(){

var e = document.getElementById("p");

var text = e.options[e.selectedIndex].text;

var h = document.getElementById("here");

if(text=="--select product--")

{

h.innerHTML="NO PRODUCT SELECTED <BR> please select a product";

}

else{

for( var i=0;i<4;i++){

if( text == p_details[i]["ProductName"])

{

h.innerHTML="<b>Product Id: </b>" +p_details[i]["ProductId"]+"<br>"

h.innerHTML+="<b>Product Name: </b>" +p_details[i]["ProductName"]+"<br>"

h.innerHTML+="<b>Price: </b>" +p_details[i]["price"]+"<br>"

h.innerHTML+="<b>Stock: </b>" +p_details[i]["stock"]+"<br>"

h.innerHTML+="<b>Type: </b>" +p_details[i]["type"]+"<br>"

}

}

else{

continue;

}

}

}

}
```

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```
</script>

</head>

<body>

    <br>

    <h2>Product Details</h2>

    <br>

    <select id="p" size=1>

        <option>--select product--</option>

        <option value="Medix soap">Ashirvad Atta</option>

        <option value="Maggi noodles">Maggi noodless</option>

        <option value="AMUL icecream">Kitkat</option>

        <option value="Lays chips">Dairy Milk</option>

    </select>

    <button onClick="getD()">Availability</button><br><br>

    <p id="here"></p>

</body>

</html>
```

### EXTERNAL JSON FILE

```
var p_details = [ {ProductId: "ESS06", ProductName: "Ashirvad Atta", price: "RS. 250", stock:
"20", type : "essentials"},

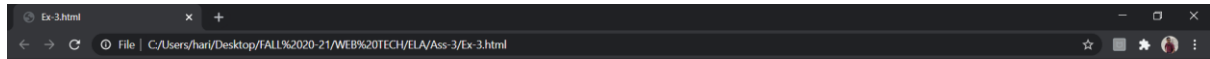
    { ProductId: "M0004", ProductName: "Maggi noodles", price: "RS. 50", stock: "30", type :
"Noodles"},

    { ProductId: "CHOC02", ProductName: "Kitkat", price: "RS. 50", stock: "10", type : "Chocs"},

    { ProductId: "CHOC01", ProducName: "Dairy Milk", price: "RS. 20", stock: "100", type : "Chocs"}]
```

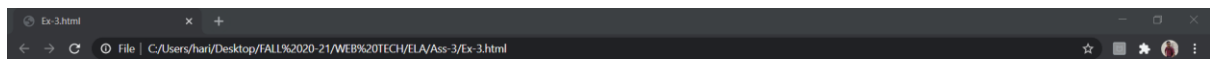
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### Product Details

--select product-- Availability



### Product Details

Kitkat Availability

**Product Id:** CHOC02  
**Product Name:** Kitkat  
**Price:** RS. 50  
**Stock:** 10  
**Type:** Choocs



4. Develop an angular application to validate the given form. Clearly mention the status of validation like required, invalid or valid message to the respective field.

```
<!DOCTYPE html>

<html>

<script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.8.0/angular.min.js"></script>

<style type="text/css">

    input.ng-invalid{

        border-bottom: 3px solid red;

        width: 30%;

    }

</style>

<body>

    <h2>MY FORM </h2>

    <form ng-app="myApp" ng-controller="validateCtrl" name="myForm" ng-
submit="onSubmit()">

        <p>Your name(required)<br>

            <input type="text" size="50" 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" size="50" name="email" ng-model="email" ng-
pattern="/^[^\s@]+@[^\s@]+\.[^\s@]{2,}$/" required>

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

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

<span style="color:red" ng-show="myForm.email.$dirty &&
myForm.email.$error.pattern">Invalid email id</span>

        </p>

        <p>Your Phone<br>

            <input type="tel" size="50" ng-model="mobile_number" name="mobile_number" ng-
pattern="/^[7-9][0-9]{9}$/" required>
```

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</p>

<p>Website<br>

Invalid url

</span>

</p>

<p>Credit Card<br>

</span>

</p>

<p>Date Of Birth<br>

Invalid date format!

</span>

</p>

<p>

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```
<input type="submit" ng-disabled="myForm.user.$dirty && myForm.user.$invalid ||
myForm.email.$dirty &&
myForm.email.$invalid">

</p>

</form>

<script>

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

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

        $scope.user = 'Hari Prakash R';

        $scope.email = 'ariprakash2002@gmail.com';

        $scope.DOB = '01-01-2002';

        $scope.mobile_number = 9944556688;

        $scope.CC = '4222 6675 57676 9999';

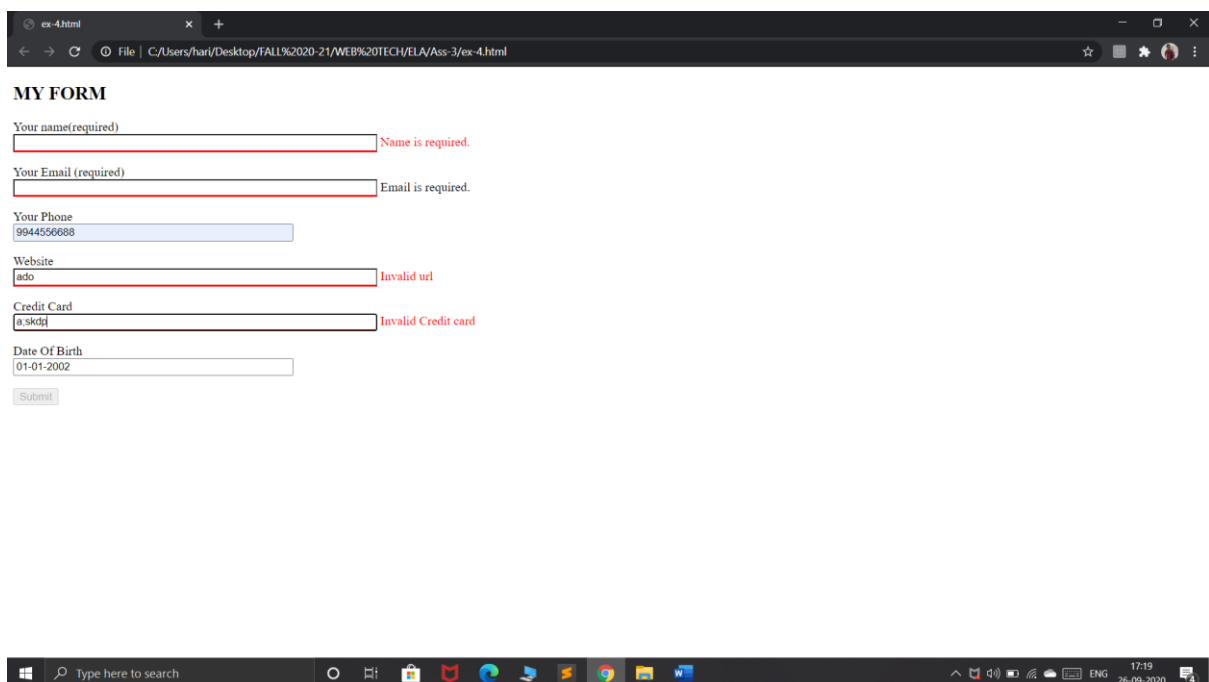
        $scope.Website = "http://www.example.com/index.html";

    });

</script>

</body>

</html>
```



The screenshot shows a web browser window with a single tab titled 'ex-4.html'. The address bar shows the file path 'C:/Users/hari/Desktop/FALL%2020-21/WEB%20TECH/ELA/Ass-3/ex-4.html'. The page content is a form titled 'MY FORM' with the following fields and values:

- Your name(required)**: Input field with value 'Name is required.' (red text).
- Your Email (required)**: Input field with value 'Email is required.' (red text).
- Your Phone**: Input field with value '9944556688'.
- Website**: Input field with value 'ado' and red text 'Invalid uri'.
- Credit Card**: Input field with value 'a skd' and red text 'Invalid Credit card'.
- Date Of Birth**: Input field with value '01-01-2002'.

At the bottom of the form is a 'Submit' button. The Windows taskbar at the bottom shows the search bar, task view, and several application icons. The system tray on the right shows the date and time as '26-09-2020 17:19'.

5. Develop an Angular Single Page Application to show the details of weather, movie and currency rates of today. (Use templateUrl) Now, if you run the application and click the Weather, the app displays like below. Create a separate file weather.html and displayed it in a same page. Maintain weather details in JSON format. While clicking the submit button, your script display weather details for the corresponding city value which has entered in text field. Similar movie and currency details should be displayed in same page (Use template)

```
<html>

  <head>

    <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.8.0/angular.min.js"></script>

    <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.8.0/angular-
route.js"></script>

    <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>

    <style>
      a{
        padding: 10px 15px;
        font-weight: bolder;
        color: #5797ff;
        background-color: white;
        border: 0px;
        text-decoration: none;
      }
    </style>

    <script>


</script>

  </head>

  <body ng-app="myApp">

    <a href="#!/weather">Weather</a>

    <a href="#!/currency">Movie</a>
```

```
<a href="#!movie">Curreny</a>

<div ng-view>

  <script>

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

    app.config(function($routeProvider) {

      $routeProvider

        .when("/", {

          template : "<h2>Yahoo! Weather </h2> <input type='text' placeholder='Enter City name'
id='city'><br>"

          + "<input type=text placeholder=Enter State.><br>"

          + "<button type=button ng-click=Weather()>Submit</button><br><br>"

          + "<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 }}"

          })

        .when("/currency", {

          template : "<input type=text placeholder=Enter Currency Symbol.><br>"

          + "<button type=button ng-click=Weather()>Submit</button>"

          + "<br><h3>Rate Details</h3>"

          + "<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 :</p>"

          + "<span class=badge>{{this._sharedService.totReqsMade}}</span></p>"

          })

        .when("/movie", {

          template : "<input type=text required placeholder=Enter Movie name ...><br>"

          + "<button type=button ng-click=Weather()>Submit</button>"

          + "<br><h3>Movie Details</h3><p class=details><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>"
```



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```
+ "<i> Rated :</i> {{ this.mv_Rated }} <br>"
+ "<i> Release Date :</i> {{ this.mv_Released }} <br></p>"
});
});
</script>

</div>

</body>

</html>
```

