

ASSIGNMENT 1

Assignment Date	28 th September 2022
Student name	Gitanjali.S
Student Roll Number	211519106043
Maximum Marks	2 Marks

Question-1:

Create form of type input text, email, password, radio button, text area, drop down and navigate to successor page and display files of form in table (CSS, HTML)

Solution:

```
<!DOCTYPE html>
<html lang="en-us">
<head>
  <meta charset="UTF-8">
  <title>Registration Form</title>
  <link rel="stylesheet" href="style1.css">
  <script type="text/javascript" lang="javascript" src="./responsiveRegistration.js"></script>
</head>
<body>
  <form>
    <h1>Student Registration Form</h1>
    <fieldset>
      <legend>PERSONAL DETAILS</legend>
      <div>
        <div class="container">
          <div class="row">
            <div class="col-10">
              <label for="fname">First Name:</label>
            </div>
            <div class="col-90">
              <input type="text" id="fname" name="firstname" placeholder="Enter your first name">
            </div>
          </div>
          <div class="row">
            <div class="col-10">
              <label for="lname">Last Name:</label>
            </div>
            <div class="col-90">
              <input type="text" id="lname" name="lastname" placeholder="Enter your last name">
            </div>
          </div>
          <div class="row">
            <div class="col-10">
              <label for="email">Email:</label>
            </div>
            <div class="col-90">
              <input type="email" id="email" name="email" placeholder="it should contain @,.">
            </div>
          </div>
          <div class="row">
```

```
<div class="col-10">
  <label for="mobile">Mobile:</label>
</div>
<div class="col-90">
  <input type="tel" id="mobile" name="mobile" placeholder="only 10 digits are allowed">
</div>
</div>
<div class="row">
  <div class="col-10">
    <label for="gender" required>Gender:</label>
  </div>
  <div class="col-90">
    <input type="radio" id="male" name="gender" value="male"/>Male
    <input type="radio" id="female" name="gender" value="female"/>Female
  </div>
</div>
<div class="row">
  <div class="col-10">
    <label for="dob">Date Of Birth:</label>
  </div>
  <div class="col-90">
    <input type="Date" id="dob" name="dob">
  </div>
</div>
<div class="row">
  <div class="col-10">
    <label for="address">Address:</label>
  </div>
  <div class="col-90">
    <textarea name="address" id="address" cols="30" rows="10"></textarea>
  </div>
</div>
<div class="row">
  <div class="col-10">
    <label for="city">City:</label>
  </div>
  <div class="col-90">
    <input type="text" id="city" name="city" maxlength="10">
  </div>
</div>
<div class="row">
  <div class="col-10">
    <label for="pincode">Area PIN:</label>
  </div>
  <div class="col-90">
    <input type="number" id="pin" name="pin" maxlength="6">
  </div>
</div>
<div class="row">
  <div class="col-10">
    <label for="state">State:</label>
  </div>
  <div class="col-90">
    <input type="text" id="state" name="state">
  </div>
</div>
<div class="row">
```

```

<div class="col-10">
  <label for="qualification" required >Qualification:</label>
</div>
<div class="col-90">
  <select name="qualification" id="qualification">
    <option value="" >Select Qualification:</option>
    <option value="Graduation">Graduation</option>
    <option value="BTech.">BTech.</option>
    <option value="MTech.">MTech.</option>
    <option value="MCA">MCA</option>
    <option value="BCA">BCA</option>
  </select>
</div>
</div>
<div class="row">
  <div class="col-10">
    <label for="specialization">Specialization:</label>
  </div>
  <div class="col-90">
    <input type="checkbox" class="specialization" id="cs" name="specialization[]" value="Computer
Science">Computer Science<br/>
    <input type="checkbox" class="specialization" id="it" name="specialization[]" value="Information
Technology">Information Technology<br/>
    <input type="checkbox" class="specialization" id="ca" name="specialization[]" value="Computer
Architecture">Computer Architecture<br/>
    <input type="checkbox" class="specialization" id="tc" name="specialization[]" value="Tele
Communication">Tele Communication<br/>
  </div>
</div>
<div class="row">
  <div class="col-10">
    <label for="password">Password:</label>
  </div>
  <div class="col-90">
    <input type="password" id="password" name="password" maxlength="8">
  </div>
</div>
<div class="row">
  <input type="submit" value="Register" onclick="SaveStudentDetails()">
</div>
</div>
</fieldset>
</form>
</body>
</html>

```

OUTPUT:

Student Registration Form

PERSONAL DETAILS

First Name:

Enter your first name

Last Name:

Enter your last name

Email:

it should contain @,.


Mobile:

only 10 digits are allowed

Gender:

☐ Male ☐ Female

Date Of Birth:

dd----yyyy 

Address:

City:

Area PIN:

State:

Qualification:

Select Qualification: ▾

Specialization:

☐ Computer Science
☐ Information Technology
☐ Computer Architecture
☐ Tele Communication

Password:

Register

Question-2:

For the CSS create external style sheet for above task (separate CSS file and link that in html)

Solution:

```
*{box-sizing: border-box;
}
input[type=text], input[type=email], input[type=number], input[type=select],
input[type=date],input[type=select],input[type=password], input[type=tel]
{
    width: 45%;
    padding: 12px;
    border: 1px solid rgb(168, 166, 166);
    border-radius: 4px;
    resize: vertical;
}
textarea{
    width:45%;
    padding: 12px;
    border: 1px solid rgb(168, 166, 166);
```

```
border-radius: 4px;
resize: vertical;
}
input[type=radio],input[type=checkbox]{
width: 1%;
padding-left: 0%;
border: 1px solid rgb(168, 166, 166);
border-radius: 4px;
resize: vertical;
}
h1{
font-family: Arial;
font-size: x-large;
font-style: normal;
font-weight: bold;
color: black;
text-align: center;
text-decoration: underline;
}
label{
padding: 12px 12px 12px 0;
display: inline-block;
}
input[type=submit] {
background-color: #4CAF50;
color: white;
padding: 12px 20px;
border: none;
border-radius: 4px;
cursor: pointer;
float:left;
}
input[type=submit]:hover {
background-color: #32a336;
}
.container{
border-radius: 5px;
background-color:#f2f2f2;
padding: 20px;
}
.col-10{
float: left;
width:10%;
margin-top: 6px;
}
.col-90{
float: left;
width: 90%;
margin-top: 6px;
}
.row:after{
content: "";
display: table;
clear: both;
}
@media screen and (max-width: 600px) {
.col-10,.col-90,input[type=submit]{
```

```

width: 100%;
margin-top: 0;
}
}

```

OUTPUT:

Student Registration Form

PERSONAL DETAILS

First Name:

Last Name:

Email:

Mobile:

Gender:
☐ Male ☐ Female

Date Of Birth:

Address:

City:

Area PIN:

State:

Qualification:
Select Qualification: ▾

Specialization:
☐ Computer Science
☐ Information Technology
☐ Computer Architecture
☐ Tele Communication

Password:

Register

Question-3:

Create sample program for Flask HTTP methods (list or map and perform operations of PUT, GET, DELETE and POST)

Solution:

```

From flask import Flask ,request,json
app=Flask(__name__)
cars={"1":"Lamborghini" , "2":"Ferrari" , "3":"Porsche" , "4":"Landrover" , "5":"Bugatti" , "6":"Mercedes" , "7":"Rolls-
Royce" , "8":"BMW"}
@app.route('/data' ,methods=['GET','POST'])
def api():
if request.method=='GET':
return cars
if request.method=='POST':

```

```

data=request.json
cars.update(data)
return 'data got inserted' @app.route("/data/<id>",methods=['PUT'])
def update(id):
data=request.form['items']
cars[str(id)]=data
return 'data updated' @app.route("/data/<id>",methods=['DELETE'])
def deleteoperation(id):
cars.pop(str(id))
return 'data deleted' if __name__=='__main__':
app.run(debug=True)

```

Output:

```

from flask import Flask,request,json app=Flask(__name__) cars=["1":"Lamborghini", "2":"Ferrari", "3":"Porsche", "4":"Landrover", "5":"Bugatti", "6":"Mercedes", "7":"Rolls-Royce", "8":"BMW"] @app.route("/data",methods=
['GET,POST']) def api(): if request.method=='GET': return cars if request.method=='POST': data=request.json cars.update(data) return 'data got inserted' @app.route("/data",methods=['PUT']) def update(id): data=request.form['items']
cars[str(id)]=data return 'data updated' @app.route("/data",methods=['DELETE']) def deleteoperation(id): cars.pop(str(id)) return 'data deleted' if __name__=='__main__': app.run(debug=True)

```