Terna Engineering College
Computer Engineering Department
Program: Sem VIII

Course: Human-Machine Interaction Lab (CSL801)

Experiment No. 3

A.1 Aim: Design GUI for the data entry form for any application of selected domain which you have analyzed.

PART B
(PART B: TO BE COMPLETED BY STUDENTS)

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Class: BE COMPS B 50	**Batch:** B3
Date of Experiment: 18-02-2022	**Date of Submission:** 18-02-2022
Grade:	

B.1 Domain selected by student:

Domain: Cloud Computing Services

Registation Form for Cloud Account

B.2 Source Code of GUI:

- **form.html**

```
<!DOCTYPE html>
<html lang="en" dir="ltr">
 <head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width">
  <meta name="description" content="form">
        <meta name="keywords" content="regisrtration form">
       <meta name="author" content="Amey Thakur">
  <title>Amey Thakur</title>
  <link rel="stylesheet" href="./css/style.css">
  </head>
 <body>

  <br>
```

```
  <aside id="sidebar">
          <p>
          <table border="0" bgcolor="#000000" align="center" cellspacing= "20">
          <tr style="color:#000dff">
          <th >Name</th>
          <th>Department</th>
          <th>Division</th>
          <th>Roll Number</th>

          </tr>
          <tr style="color:#ff0000">
          <td>Amey Thakur</td>
          <td>Computer Engineering</td>
          <td>B</td>
          <td>50</td>
          </tr>
          </table>
         </p>
         </aside>

                          <center><p style="color:#000dff">Registation for Cloud Account</p></center>

<form name="RegForm" action="#" onsubmit="return ValidationForm()" method="post" class="docs">
<table border="0" bgcolor="#000000" align="center" cellspacing= "20">
<div>
 <tr>
  <td>First Name</td>
       <td><input type="text" placeholder="First Name" size="25" id="fname" name="fname"></td>
 </tr>
</div>
<div>
 <tr>
  <td>Last Name</td>
       <td><input type="text" placeholder="Last Name" size="25" id="lname" name="lname"</td>
 </tr>
</div>
<div>
 <tr>
  <td>Email ID</td>
```

```
          <td><input type="email" placeholder="Email" size="25" id="email" name="email"></td>
 </tr>
</div>
<div>
 <tr>
  <td>Contact Number</td>
    <td><input type="number" placeholder="Phone Number" size="25" id="phone" name="phone"></td>
 </tr>
</div>
<div>
 <tr>
  <td>Address</td>
        <td><textarea rows="4" cols="25" placeholder="Address" id="address" name="address"></textarea></td>
 </tr>
</div>
<div>
 <td>Pin Code</td>
     <td><input type="number" placeholder="Pin Code" size="25" id="pin" name="pin"></td>
</tr>
</div>
<div>
 <tr>
  <td>Gender</td>
  <td>
   <input type="radio" id="r1" name="r1">Male
   <input type="radio" id="r1"name="r1">Female
  </td>
 </tr>
</div>
<div>
<tr>
 <td>Date of birth</td>
 <td>
  <select value="" name="Subject">
   <option>Day</option>

<option>1</option><option>2</option><option>3</option><option>4</option><option>5</option><option>6</option><option>7</option>
```

```
<option>8</option><option>9</option><option>10</option><option>11</option><
option>12</option><option>13</option><option>14</option>

<option>15</option><option>16</option><option>17</option><option>18</option
><option>19</option><option>20</option><option>21</option>

<option>22</option><option>23</option><option>24</option><option>25</option
><option>26</option><option>27</option><option>28</option>
    <option>29</option><option>30</option><option>31</option>
   </select>

   <select value="" name="Subject">
    <option>Month</option>

<option>January</option><option>February</option><option>March</option><opti
on>April</option><option>May</option><option>June</option>

<option>July</option><option>August</option><option>September</option><opti
on>October</option><option>November</option><option>December</option>
   </select>

   <select value="" name="Subject">
    <option>Year</option>

<option>1990</option><option>1991</option><option>1992</option><option>199
3</option><option>1994</option><option>1995</option><option>1996</option><
option>1997</option><option>1998</option><option>1999</option>

<option>2000</option><option>2001</option><option>2002</option><option>200
3</option><option>2004</option><option>2005</option><option>2006</option><
option>2007</option><option>2008</option><option>2009</option>

<option>2010</option><option>2011</option><option>2012</option><option>201
3</option><option>2014</option><option>2015</option><option>2016</option><
option>2017</option><option>2018</option><option>2019</option><option>2020
</option>
   </select>
  </td>
  </tr>
</div>
<div>
   <td>Languages Known</td>
```

```
   <td>
    <input type="checkbox" id="r1" name="r1">Marathi
    <input type="checkbox" id="r1" name="r1">Hindi
    <input type="checkbox" id="r1" name="r1">English
   </td>
  </div>
<div>
<tr>
 <td colspan="2" align="center">
      <input type="reset" value="Reset" name="reset" id="button">   
     
   <input type="submit" value="Submit" name="submit" id=""="button"></td>
</tr>
</div>
</table>
</form>

<script>
function ValidationForm(){
      let username = document.forms["RegForm"]["fname"];
      let name = document.forms["RegForm"]["lmame"];
      let email = document.forms["RegForm"]["email"];
      let phoneNumber = document.forms["RegForm"]["phone"];
      let address = document.forms["RegForm"]["address"];}
      let pin = document.forms["RegForm"]["pin"];}
      let select = document.forms["RegForm"]["Subject"];

      if(username.value == "") {
        alert("Kindly enter your first name");
        username.focus();
        return false;
      }
      if(name.value == "") {
        alert("Kindly enter your last name");
        name.focus();
        return false;
      }
      if(email.value == "") {
        alert("Kindly enter a valid e-mail address");
        email.focus();
        return false;
      }
      if(email.value.indexOf("@", 0) < 0) {
```

```
        alert("Kindly enter a valid e-mail address");
        email.focus();
        return false;
       }
       if(email.value.indexOf(".", 0) < 0) {
        alert("Kindly enter a valid e-mail address");
        email.focus();
        return false;
       }
       if(phoneNumber.value == "") {
        alert("Kindly enter your contact number");
        phoneNumber.focus();
        return false;
       }
       if(address.value == "") {
        alert("Kindly enter your address");
        address.focus();
        return false;
       }
       if(pin.value == "") {
        alert("Kindly enter your address");
        pin.focus();
        return false;
       }
       if(select.selectedIndex < 1) {
        alert("Kindly select your date of birth");
        select.focus();
        return false;
       }
       return true;
      }
    </script>


    <footer>
      <center><p style="color:#f70000">Amey Thakur B-50</p></center>
    </footer>
  </body>
</html>
```

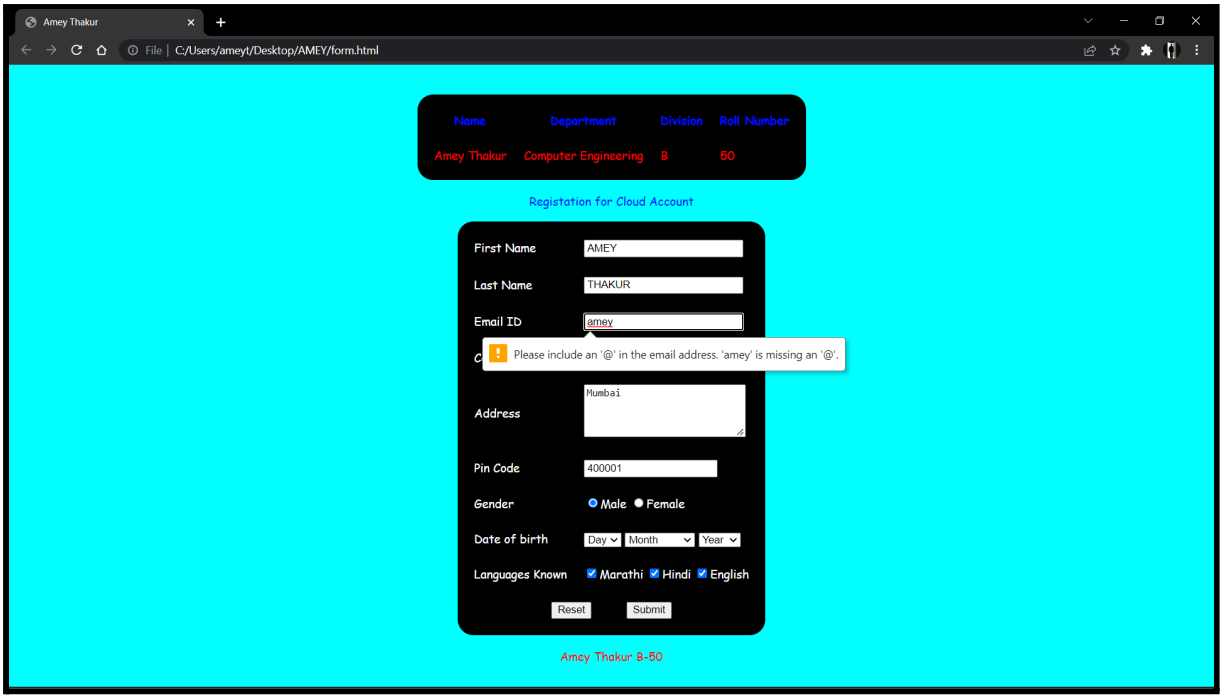
- **style.css**

```
table{
 color: #ffffff;
 border-radius: 20px;
}

body{
 font: 15px/1.5 cursive;
 padding:0;
 margin:0;
 background-color:aqua;
}

button{
 height:38px;
 background:#263dd4;
 border:0;
 padding-left: 20px;
 padding-right:20px;
 color:#000dff;
}
```

B.3 Screen Snapshot of GUI Design:


Amey Thakur
File | C:/Users/ameyt/Desktop/AMEY/form.html
Name Department Division Roll Number
Amey Thakur Computer Engineering B 50
Registation for Cloud Account
First Name AMEY
Last Name THAKUR
Email ID amey
Please include an '@' in the email address. 'amey' is missing an '@'.
Address Mumbai
Pin Code 400001
Gender Male Female
Date of birth Day Month Year
Languages Known Marathi Hindi English
Reset Submit
Amey Thakur B-50

Amey Thakur
File | C:/Users/ameyt/Desktop/AMEY/form.html
Name Department Division Roll Number
Amey Thakur Computer Engineering B 50
Registation for Cloud Account
First Name AMEY
Last Name THAKUR
Email ID ameythakur20@gmail.com
Contact Number 100
Address Mumbai
Pin Code 400001
Gender Male Female
Date of birth 18 February 2000
Languages Known Marathi Hindi English
Reset Submit
Amey Thakur B-50

B.4 Write down what is direct manipulation and its' advantages:
ANS:

Direct manipulation:

Direct manipulation is computer science is a style of human-computer interaction that includes continuous representation of the object of interest and fast, reversible, and incremental actions and feedback. So here this article gives the advantages and disadvantages of Direct manipulation to better understand this topic.

Pros or Advantages of Direct manipulation:

1. It is easy to learn and remember.
2. It is easy to retain.
3. Present task concept visually.
4. Permits error avoidance.
5. It is a flexible and reversible action.
6. Low typing requirement.
7. Encourages exploration.
8. High subjective satisfaction.
9. Predictable and controllable.
10. Permits high subjective satisfaction.
11. Instant visual feedback.
12. User learning time is relatively small.
13. Users feel in control of the computer and are less likely to be intimidated by it.

B.5 Conclusion:
Hence designed GUI for the registration form for Cloud Account for which I have analysed and made form validation.