

SUBJECT: HUMAN MACHINE INTERACTION
Experiment No.03

Roll No.: A-40	Name: Nahush Kulkarni
Class: BE-A	Batch: A3
Date of Experiment:	Date of Submission:
Grade:	

B.1 Domain selected by student:

CLOUD SERVICES

B.2 Source Code by GUI:

Gui.html

```
<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="utf-8">

    <title>HMI EXPT 03</title>


<style>

body {

background-image: url('cloudservices.jpg');


}

.content {

    max-width: 700px;

    margin: auto;
```

```
        background:#AAF0D1;
        padding: 10px;
    }
button[type="submit"]{
    height: 45px;
    width: 344px;
    border: none;
    background: rgb(73, 200, 235);
    color: white;
}
</style>
<script type="text/javascript">
    function validation()
    {
        if(document.Form.name.value=="")
        {
            alert("Please enter your display name")
            document.Form.name.focus();
            return false;
        }
        if(document.Form.mail.value=="")
        {
            alert("Please enter your email address")
```

```
document.Form.mail.focus();

return false;

}

if(document.Form.pswd.value=="")

{

alert("Please enter a unique password")

document.Form.pswd.focus();

return false;

}

if(document.Form.phone.value=="")

{

alert("Please enter your Phone number")

document.Form.phone.focus();

return false;

}

}

</script>

</head>

<body style="background-color: cadetblue;">

    <h1 style="text-align:center; color:black ; background-color:
#FFD700;">Cloud Services Registration Form</h1>

    <div class="content">
```

```
<form name="Form" onsubmit="return validation()" action=" "
method="post">

  <ul>

    <li>

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

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

    </li>

    <br>

    <li>

      <label for="mail">Email*:</label>

      <input type="email" id="mail" name="mail" >

    </li>

    <br>

    <li>

      <label for="pswd">Password*:</label>

      <input type="password" id="pswd" name="pswd" minlength="8"
>

    </li>

    <br>

    <li>

      <label for="phone">Phone No.*:</label>

      <input type="tel" id="phone" name="phone" minlength="10" >

    </li>
```

**
**

<p>Gender:</p>

<input type="radio" id="male" name="gender" value="male" >

<label for="male">Male</label>

<input type="radio" id="female" name="gender" value="female">

<label for="female">Female</label>

**
**

<label for="dob">Date of birth:</label>

<input type="date" id="dob" name="dob" >

**
**

**
**

**

**

<li class="button">

<button type="submit">Submit</button>

</form>

</div>

</body>

</html>

B.3 Screen Snapshot of GUI Design:



The screenshot shows a web form titled "Cloud Services Registration Form" in a yellow header. The form itself has a light green background and contains several input fields and a submit button. The fields are labeled with asterisks to indicate they are required. The labels are: "Display Name*", "Email*", "Password*", "Phone No.*", "Gender", and "Date of birth:". The "Gender" field has two radio buttons labeled "Male" and "Female". The "Date of birth:" field has a text input with the placeholder "dd-mm-yyyy" and a calendar icon. At the bottom of the form is a blue "Submit" button.

Cloud Services Registration Form

- Display Name*:
- Email*:
- Password*:
- Phone No.*:
- Gender:
 - ☐ Male ☐ Female
- Date of birth: 

B.4 Direct Manipulation:

Direct manipulation is an interaction style in which the objects of interest in the UI are visible and can be acted upon via physical, reversible, incremental actions that receive immediate feedback.

Direct manipulation (DM) is an interaction style in which users act on displayed objects of interest using physical, incremental, reversible actions whose effects are immediately visible on the screen.

Advantages of Direct Manipulation:

- presents task concepts visually
- easy to learn
- easy to retain

- permits error avoidance
- encourages exploration
- permits high subjective satisfaction

B.5 Conclusion:

Thus we have designed GUI for the data entry form for our domain.