

## PRACTICAL – 4

### AIM: 4.1 Design an user interface for semester registration

#### 4.2 Design an user interface for displaying and changing of picture on the form

#### 4.3 Design an user interface for To count the number of digits in a given number

- **Code of 4.1:**

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Semester Form</title>
    <style>
      html {
        width: 100%;
        height: 100%;
        background: linear-gradient( rgba(173, 216, 230, 0.800), rgba(173, 216, 230, 0.700), rgba(173, 216, 230, 0.600), rgba(173, 216, 230, 0.500));
        background-repeat: no-repeat;
      }
      form {
        display: flex;
        justify-content: center;
        align-items: center;
        height: 70%;
        width: 35%;
        font-family: Arial, sans-serif;
        background-color: whitesmoke;
        box-shadow: 0 4px 30px rgba(0, 0, 0, 0.1);
        backdrop-filter: blur(10px);
        border-radius: 10px;
        padding: 20px;
        box-sizing: border-box;
        position: absolute;
        top: 50%;
        left: 50%;
        transform: translate(-50%, -50%);
      }
      input[type="text"], input[type="email"], input[type="tel"] {
        width: 200px;
        height: 25px;
        text-align: center;
        padding: 0.5rem;
        margin: 0.5rem 0.25rem;
        font-size: 1.1rem;
        border-radius: 8px;
        border: 1.5px solid #a777e3;
        outline-color: #6e8efb;
      }
      select {
        width: 217px;
        margin: 0.5rem 0.25rem;
        padding: 0.5rem;
        font-size: 1.1rem;
        border-radius: 8px;

```

```

border: 1.5px solid #a777e3;
outline-color: #6e8efb;

}
button {
padding: 0.55rem 1.5rem;
margin: 0.5rem 0.5rem 1rem 0.5rem;
font-size: 1.3rem;
border: none;
border-radius: 12px;
background-color: #6e8efb;
color: white;
cursor: pointer;
transition: background-color 0.3s ease;
}
button:hover {          background-color: #a777e3;          }
</style>
</head>
<body>
<form action="#" enctype="multipart/form-data">
<table align="center" width="400px" height="400px">
<caption> <h2>Semester Form</h2> </caption>
<tr>
<td><label for="name">Full Name:</label></td>
<td><input type="text" name="name" id="name" placeholder="ex John Marston"></td>
</tr>
<tr>
<td><label for="marks">Enrollment No</label></td>
<td><input type="text" name="eno" id="eno" placeholder="Enrollment no"></td>
</tr>
<tr>
<td><label for="email">Email:</label></td>
<td><input type="email" name="email" id="email" placeholder="example@gmail.com"></td>
</tr>
<tr>
<td><label for="selective_sub_1">Elective subject 1</label></td>
<td>
<input type="radio" name="sub1" id="DS" value="DS">
<label for="DS">Data Structure</label>
<input type="radio" name="sub1" id="JAVA" value="JAVA">
<label for="JAVA">JAVA</label>
</td>
</tr>
<tr>
<td><label for="sub2">Elective subject 2</label></td>
<td>
<select name="sub2" id="sub2">
<option value="C">C</option>
<option value="Android">Android</option>
<option value="PHP">PHP</option>
<option value="python">Python</option>
</select>
</td>
</tr>
<tr>
<td><label for="phone">Phone Number:</label></td>
<td><input type="tel" name="phone" id="phone" placeholder="+91 123456789"></td>
</tr>

```



```

    left: 50%;
    transform: translate(-50%, -50%);
    font-family: Arial, sans-serif;
    background-color: whitesmoke;
    box-shadow: 0 4px 30px rgba(0, 0, 0, 0.1);
    backdrop-filter: blur(10px);
    border-radius: 10px;
    box-sizing: border-box;
  }
  button {
    padding: 0.45rem 1.1rem;
    font-size: 1rem;
    border: none;
    border-radius: 12px;
    background-color: #6e8efb;
    color: white;
    cursor: pointer;
    transition: background-color 0.3s ease;
  }
  button:hover {          background-color: #a777e3;          }
  #header_text {
    margin-bottom: 20px;
    font-size: 2rem;
    color: #333;
    text-align: center;
    font-weight: 900;
    text-transform: uppercase;
  }
}
.grid-container {
  display: grid;
  grid-template-columns: repeat(4, 1fr);
  gap: 10px;
  padding: 10px;
}
}
.box {
  padding: 20px;
  background-color: #f0f0f0;
  border: 1px solid #ccc;
  border-radius: 8px;
  text-align: center;
  font-size: 1.5rem;
  color: #333;
}
</style>
</head>
<body>
  <form action="#" enctype="multipart/form-data">
    <p id="header_text"> Images </p>
    <div class="grid-container">
      <div class="box">
        <button class="img-btn" id="btn1">Select Image</button>
        <input type="file" id="file1" style="display:none" accept="image/*">
      </div>
      <div class="box">
        <button class="img-btn" id="btn2">Select Image</button>
        <input type="file" id="file2" style="display:none" accept="image/*">
      </div>
      <div class="box">

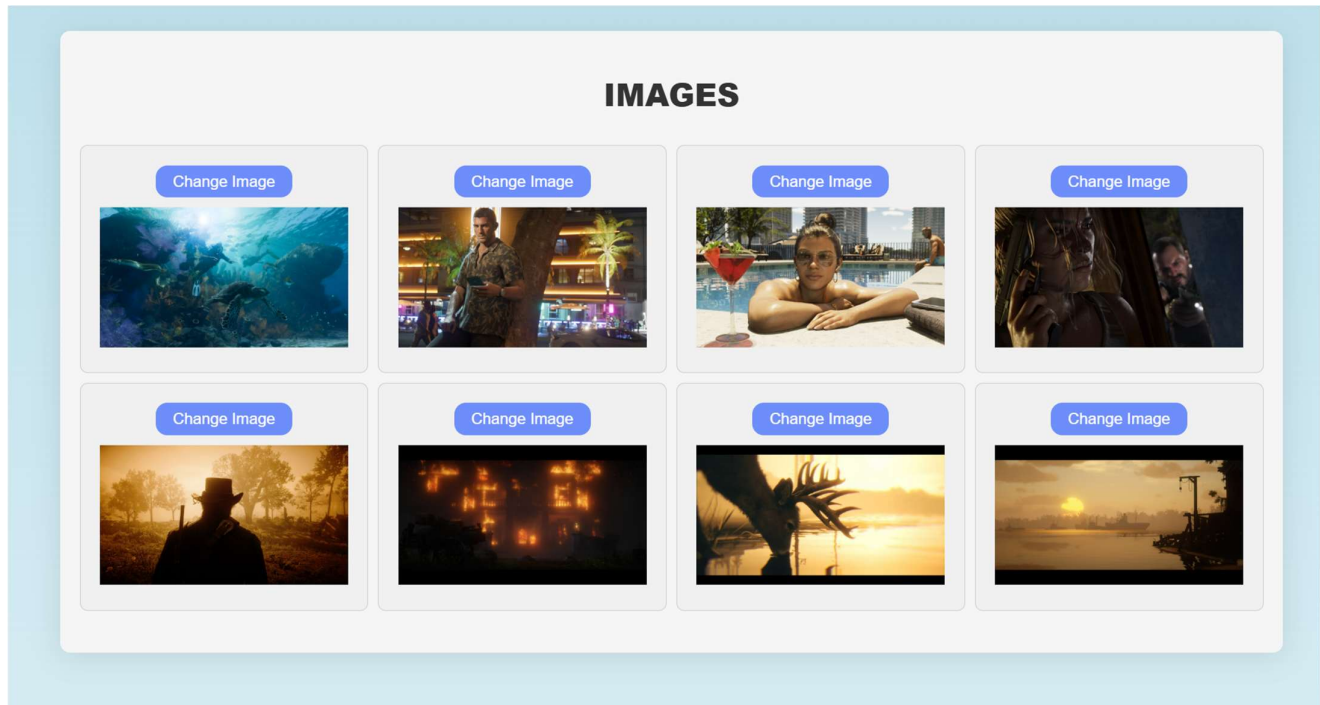
```

```

        <button class="img-btn" id="btn3">Select Image</button>
        <input type="file" id="file3" style="display:none" accept="image/*">
    </div>
    <div class="box">
        <button class="img-btn" id="btn4">Select Image</button>
        <input type="file" id="file4" style="display:none" accept="image/*">
    </div>
    <div class="box">
        <button class="img-btn" id="btn5">Select Image</button>
        <input type="file" id="file5" style="display:none" accept="image/*">
    </div>
    <div class="box">
        <button class="img-btn" id="btn6">Select Image</button>
        <input type="file" id="file6" style="display:none" accept="image/*">
    </div>
    <div class="box">
        <button class="img-btn" id="btn7">Select Image</button>
        <input type="file" id="file7" style="display:none" accept="image/*">
    </div>
    <div class="box">
        <button class="img-btn" id="btn8">Select Image</button>
        <input type="file" id="file8" style="display:none" accept="image/*">
    </div>
</div>
</form>
<script>
    for (let i = 1; i <= 8; i++) {
        const btn = document.getElementById(`btn${i}`);
        const fileInput = document.getElementById(`file${i}`);
        const box = btn.parentElement;
        btn.addEventListener('click', (e) => {
            e.preventDefault();
            fileInput.click();
        });
        fileInput.addEventListener('change', () => {
            const file = fileInput.files[0];
            if (file && file.type.startsWith("image/")) {
                const reader = new FileReader();
                reader.onload = function(e) {
                    const existingImg = box.querySelector("img");
                    if (existingImg) existingImg.remove();
                    const img = document.createElement("img");
                    img.src = e.target.result;
                    img.style.maxWidth = "100%";
                    img.style.maxHeight = "150px";
                    img.style.marginTop = "10px";
                    box.appendChild(img);
                    btn.textContent = "Change Image";
                };
                reader.readAsDataURL(file);
            }
        });
    }
</script>
</body>
</html>

```

- **Output:**



- **Code of 4.3:**

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Count Digits</title>
  <style>
    html {
      width: 100%;
      height: 100%;
      background: linear-gradient(rgba(173, 216, 230, 0.800), rgba(173, 216, 230, 0.700), rgba(173, 216, 230, 0.600), rgba(173, 216, 230, 0.500));
    }
    form {
      height: 40%;
      width: 40%;
      padding: 10px;
      position: absolute;
      top: 50%;
      left: 50%;
      transform: translate(-50%, -50%);
      display: flex;
      flex-direction: column;
      align-items: center;
      background-color: whitesmoke;
      box-shadow: 0 4px 30px rgba(0, 0, 0, 0.1);
      backdrop-filter: blur(10px);
      border-radius: 10px;
    }
    input[type="text"] {
      width: 200px;
      height: 25px;
      text-align: center;
      padding: 0.5rem;
      margin: 0.5rem 0.25rem;
      font-size: 1.1rem;
    }
  </style>
</head>
<body>
  <div>
    <input type="text" value="0" />
    <div>
      <div>0</div>
      <div>1</div>
      <div>2</div>
      <div>3</div>
      <div>4</div>
      <div>5</div>
      <div>6</div>
      <div>7</div>
      <div>8</div>
      <div>9</div>
    </div>
  </div>
</body>
</html>
```

```

    border-radius: 8px;
    border: 1.5px solid #a777e3;
    outline-color: #6e8efb;
  }
  #header_text {
    margin-bottom: 20px;
    font-size: 2rem;
    color: #333;
    text-align: center;
    font-weight: 900;
    text-transform: uppercase;
  }
  #result {
    margin-top: 20px;
    font-size: 1.3rem;
    color: #333;
  }
</style>
</head>
<body>
  <form action="#" onsubmit="return false;">
    <p id="header_text">Enter a Number</p>
    <input type="text" id="num" name="num" placeholder="Enter number" />
    <label id="result"></label>
  </form>
  <script>
    const numInput = document.getElementById('num');
    const resultLabel = document.getElementById('result');
    numInput.addEventListener('input', function () {
      const value = numInput.value;
      const digitMatches = value.match(/\d/g);
      if (value === "") { resultLabel.textContent = ""; }
      else {
        const count = digitMatches ? digitMatches.length : 0;
        resultLabel.textContent = `The number of digits is: ${count}`;
      }
    });
  </script>
</body>
</html>

```

- **Output:**

