Tutorial No. 03

Title: HTML5 Form

handling.

Aim: To design forms using HTML 5 Input Elements and Attributes

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Resources needed: Web browser , HTML Editor/Notepad ++, Bracket, and Sublime Text

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Theory: HTML Forms are the way of accepting input/data from the website user. There are some basic HTML form input elements such as text, checkboxes, radio buttons, select option and some basic attributes such as name, id, checked and so on. HTML 5 has introduced many more input elements such as email, password etc. as well as many useful attributes which makes the form more user friendly.

Activity: Students are required to design form using HTML 5 input elements and attributes

Result: Code and Output

```html
<!DOCTYPE html>
<html lang="en">
  <head>
      <meta charset="UTF-8" />
      <meta http-equiv="X-UA-Compatible" content="IE=edge" />
            <meta   name="viewport"   content="width=device-width,
initial-scale=1.0" />
      <title>Document</title>
      <link href="./style.css" rel="stylesheet" />
  </head>
  <body>
      <form onsubmit="myFunction(event)" action="#" class="form">
          <div>
              <label for="name"> Enter Username </label>

              <input
                  type="text"
                  name="username"
                  id="username"
                  placeholder="enter username"
                  required
                  autofocus
              />
```

```html
            <label for="name"> Enter Password </label>
             <input type="password" name="password" id="pass" required
/>

            <label for="color"> Enter color</label>

            <input type="color" name="color" id="color" required />

            <label for="email"> Enter Email </label>

            <input type="email" name="email" id="email" required />

            <label for="date"> Enter Date </label>

            <input type="date" name="date" id="date" required />

            <div>
                <label for="male">Male</label>
                    <input type="radio" name="gender" value="male"
required />

                <label for="female">Female</label>
                    <input type="radio" name="gender" value="female"
required />
            </div>
            <input type="submit" value="Submit" />
        </div>
    </form>
    <script>
        function myFunction(event) {
            event.preventDefault();
            console.log(event.target["username"].value);
            console.log(event.target["pass"].value);
            console.log(event.target["color"].value);
            console.log(event.target["email"].value);
            console.log(event.target["date"].value);
        }
    </script>
  </body>
</html>
```

```css
* {
    margin: 0;
    padding: 0;
    box-sizing: border-box;
    color: #d7e2ff;
}

body {
    background-color: #16171a;
}

.form {
    position: fixed;
    top: 50%;
    left: 50%;
    /* width: 30vw; */
    height: fit-content;
    width: fit-content;
    /* padding: 0 5vw; */
    padding: 2vh 1vw;
    transform: translate(-50%, -50%);
    text-align: center;
    background-color: #202226;
    border-radius: 16px;
}

.form > div > div {
    margin: 2vh 0;
    display: flex;
    justify-content: space-between;
    font-size: 1.4rem;
}
.form > div > div > label {
    margin: 0 1vw;
}
.form > div > div > input {
    color: #16171a;
}
.form > div > input {
    /* color: #16; */
    padding: 2%;
    background-color: #16171a;
}
```
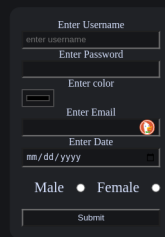
```css
.register {
    margin: 2vh 0;
}

.form > div {
    display: flex;
    flex-direction: column;
}
```


Outcomes:

CO 2 Create Web pages using HTML 5 and CSS.

Conclusion: (Conclusion to be based on the outcomes achieved)

Successfully implemented a form with multiple types of input and logging the result in the console to verify the result

Grade: AA / AB / BB / BC / CC / CD /DD

Signature of faculty in-charge with date

References:

Books/ Journals/ Websites:
- "HTML5: Black Book", Dreamtech Publication.

- "Web Technologies: Black Book", Dreamtech Publication.
- http://www.w3schools.com