MIT School of Computing, Pune
Department of Computer Science and Engineering
Third Year B. Tech Academic Year 2022-2023. (SEM-I)
Subject: Web Technology Laboratory

Assignment 1

Assignment Title: Design a Company Registration Form with CSS styles that includes all of the form tag's features. Show the relevant Form output in a compatible browser

Aim: Create Company Registration Form with HTML and CSS

Objectives:
1. To understand how CSS can be used to beautify HTML
2. Understand the different type of form tags

Outcomes:
Upon Completion of the assignment the students will be able to
1. Create HTML forms using various tags
2. Understand relationship between HTML and CSS

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HTML :

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <link rel="stylesheet" href="style.css">
    <title>Registration</title>
    <style>
        input[type = reset]{
            background-color: white;
            width: 20%;
            height: 30px;
            border-radius: 20px;
            font-size: 0.9em;
            cursor: pointer;
        }
    </style>
</head>
<body>
    <section>
        <div class="form-box">
            <div class="form-val">
                <form action="" autocomplete="on"
target="_blank"> <!--/test.php-->
```

```html
<div >
    <input type="search"
placeholder="Search for......" name="search"/>
</div>


<h2>Registration</h2>

<div class="inputbox">

    <input
    id="name"
    type="text"
    placeholder="Name"
    required
    maxlength="30"
    minlength="5"
    name="name"
    />
    <label for="">Full Name</label>
</div>

<div class="inputbox">

    <input
    type="password"
    id="password"
```

```html
                    placeholder="Password"
                    required
                    name="pass" />
                <label
for="password">Password</label>
                </div>


                <div class="inputbox">
                    <input
                    type="password"
                    id="con-password"
                    placeholder="Confirm Password"
                    required
                    name="con-pass" />
                    <label for="con-password">Confirm
Password</label>


                </div>

                <div class="inputbox">

                    <input
                    type="email"
                    id="email"
                    placeholder="Email"
                    required
                    name="email"/>
```

```html
                            <label for="email">Email</label>
                    </div>

                    <div class="inputbox">
                        <input
                        type="number"
                        id="age"
                        placeholder="Age"
                        title="Please enter Age"
                        name="age"/>
                            <label for="age">Age</label>
                    </div>

                    <div class="inputbox">
                            <label for="image">Upload Image :
</label>
        <input type="file" id="image" name="image"/>
                    </div>

                    <div class="box">
                            <label for="time">Enter Leave
Time : </label>
        <input id="time" type="time" name="time"/>
                    </div>

                    <br>
```

```html
<div class="box">
    <label for="DOB">DOB : </label>
    <input id="DOB" type="date" name="dob" />
</div>

<br>

<div class="box">
    <label for="edu">Education : </label>
    <select name="education" id="edu">
        <option value="non">-.-</option>
        <option value="highSchool">High School Diploma</option>
        <option value="underGrad">Under Graduate</option>
        <option value="postGrad">Post Graduate</option>
        <option value="doc">Doctorate</option>
        <option value="self">Self Taught</option>
    </select>
</div>

<br>
```

```html
<div class="box">
    <label>Captcha</label>
<br>
<label for="red">Red</label>
<input id="red" type="radio"  name="color" value="red"/>
<label for="blue">Blue</label>
<input type="radio" id="blue" name="color" value="blue"/>
    </div>

    <div>
        <br>
    </div>

    <div class="box">
        <label for="accept">I Accept Policy</label>
<input id="accept" type="checkbox" name="policy"/>
    </div>

    <br>

    <div class="box">
        <label for="confirm">I Confirm all info is correct </label>
<input id="confirm" type="radio" name="confirm"/>
```

```html
                </div>


            <!-- <div>
                <input id="submit" type="submit">
            </div> -->


            <button>Register</button>
            <div class="reset">
                <input type="reset" />
            </div>


            <div class="login">
                <p>Already Have an Account ? <a
href="#">Log in</a></p>


            </div>


          </form>
        </div>
      </div>
    </section>


</body>
</html>
```

CSS :

```css
@import
url('https://fonts.googleapis.com/css2?family=Poppins:wgh
t@500&display=swap');
*{
    margin: 0;
    padding: 0;
    font-family: 'poppins', 'sans-serif';
}

section{
    display: flex;
    justify-content: center;
    align-items: center;
    min-height: 100vh;
    width: 100%;
    /* background: gold; */

    background:
url("2021-Bugatti-Chiron-Sport-Les-Legendes-du-Ciel-007-2
160.jpg")no-repeat;
    background-position: center;
    background-size: cover;


}
```

```css
.form-box{
    position: relative;
    width: 600px;
    height: 1500px;
    /* background: red; */

    background: transparent;
    border: 2px solid rgba(255, 255, 255, 0.5);
    border-radius: 20px;
    backdrop-filter: blur(15px);


    display: flex;
    justify-content: center;
    align-items: center;
}

h2{
    font-size: 2em;
    color: white;
    text-align: center;
}

.inputbox{
    position: relative;
    margin: 30px 0;
    width: 310px;
```

```css
        border-bottom: 2px solid white;
}


.inputbox label{
    position: absolute;
    top: 45%;
    left: 0;
    transform: translateY(-90%);
    color: white;
    font-size:1em;
    pointer-events: none;
    transition: .10s;
}
input:focus ~ label,
input:valid ~ label{
top: -1px;
}
.inputbox input{
    width: 100%;
    height: 50px;
    background: transparent;
    border: none;
    outline: none;
    font-size: 1em;
    padding:  50px 0 2px;
    color: white;
}
```

```css
.box{
    margin: -15px 0 15px ;
    font-size: .9em;
    color: #fff;
    display: flex;
    justify-content: space-between;
}

.box label input{
    margin-right: 3px;

}
.box label a{
    color: #fff;
    text-decoration: none;
}
/* .box label a:hover{
    text-decoration: underline;
} */

button{
    width: 100%;
    height: 40px;
    border-radius: 40px;
    font-size: 1.2em;
    background: white;
```

```css
    cursor: pointer;

    outline: none;

    border: none;

    font-weight: 500;

}


.login{

    font-size: 1em;

    color: white;

    text-align: center;

    margin: 25px 0 10px;

}


.login p a{

    text-decoration: none;

    color: white;

    font-weight: 600;

}


.login p a:hover{

    text-decoration: underline;

    font-weight: 900;

}
```

Output :

Explanation :

This code is an HTML document that contains a form for registration. It has the following elements:

- A link to a style sheet called style.css that defines the appearance of the form elements.
- A title tag that sets the title of the web page to "Registration".
- A style tag that defines some inline CSS rules for the reset button.
- A section tag that wraps the form box div.
- A div with the class "form-box" that contains the form itself.
- A div with the class "form-val" that contains the form action, autocomplete and target attributes. The action attribute is empty, which means the form will submit to the same page. The autocomplete attribute is set to "on", which means the browser will try to fill in

the form fields based on previous inputs. The target attribute is set to "_blank", which means the form will open in a new tab or window when submitted.

- A div with an input type of "search" and a placeholder of "Search for…". This is a search box that allows the user to enter a query and submit it.
- A heading tag with the text "Registration".
- Several divs with the class "inputbox" that contain input fields and labels for different information. Each input field has an id, a type, a placeholder, a required attribute, and a name attribute. The labels have a for attribute that matches the id of the input field. The input fields are:
  - **Name:** A text field that accepts up to 30 characters and requires at least 5 characters. The name attribute is "name".
  - **Password:** A password field that hides the input and requires a value. The name attribute is "pass".
  - **Confirm Password:** A password field that hides the input and requires a value. The name attribute is "con-pass".
  - **Email:** An email field that validates the input and requires a value. The name attribute is "email".
  - **Age:** A number field that accepts any numeric value. The name attribute is "age".
  - **Upload Image:** A file field that allows the user to select an image from their device. The name attribute is "image".
- Several divs with the class "box" that contain input fields and labels for different information. Each input field has an id, a type, and a name attribute. The labels have a for attribute that matches the id of the input field. The input fields are:
  - Enter Leave Time: A time field that allows the user to select a time from a clock widget. The name attribute is "time".
  - DOB: A date field that allows the user to select a date from a calendar widget. The name attribute is "dob".
  - Education: A select field that allows the user to choose from a list of options. The options are:
    - non: No education
    - highSchool: High School Diploma
    - underGrad: Undergraduate
    - postGrad: Post Graduate
    - doc: Doctorate
    - self: Self Taught
  - The name attribute is "education".

This code is a CSS style sheet that defines the appearance of the HTML form for registration. It has the following elements:

- An import statement that loads a font from Google Fonts called Poppins with a weight of 500.
- A universal selector (*) that applies some common styles to all elements, such as setting the margin and padding to zero, and setting the font family to Poppins or sans-serif as a fallback.
- A section selector that targets the section element that wraps the form box div. It applies some styles such as:
  - Displaying the element as a flex container, and centering its children horizontally and vertically.
  - Setting the minimum height to 100% of the viewport height, and the width to 100% of the viewport width.
  - Setting the background to an image of a Bugatti car, and adjusting its position and size to cover the whole element.
- A form-box selector that targets the div with the class "form-box" that contains the form itself. It applies some styles such as:
  - Positioning the element relative to its parent.
  - Setting the width to 600px and the height to 1500px.
  - Setting the background to transparent, and adding a border of 2px solid white with a 50% opacity and a border radius of 20px.
  - Applying a blur effect to the backdrop using the backdrop-filter property.
  - Displaying the element as a flex container, and centering its children horizontally and vertically.
- A h2 selector that targets the heading tag with the text "Registration". It applies some styles such as:
  - Setting the font size to 2em and the color to white.
  - Aligning the text to the center.
- An inputbox selector that targets the divs with the class "inputbox" that contain input fields and labels for different information. It applies some styles such as:
  - Positioning the element relative to its parent.
  - Setting the margin to 30px on top and bottom, and zero on left and right.
  - Setting the width to 310px.
  - Adding a border bottom of 2px solid white.
- An inputbox label selector that targets the labels inside the inputbox divs. It applies some styles such as:

- ○ Positioning the element absolute to its parent.
- ○ Moving the element to 45% from the top and zero from the left.
- ○ Transforming the element by translating it vertically by -90% of its height.
- ○ Setting the color to white and the font size to 1em.
- ○ Disabling pointer events on the element, so it does not interfere with clicking on the input field.
- ○ Adding a transition effect of .10s for any property changes.
- **An input:focus ~ label** selector that targets the labels that are siblings of an input field that is focused. It applies some styles such as:
  - ○ Moving the element to -1px from the top.
- **An input:valid ~ label** selector that targets the labels that are siblings of an input field that has a valid value. It applies some styles such as:
  - ○ Moving the element to -1px from the top.
- An inputbox input selector that targets the input fields inside the inputbox divs. It applies some styles such as:
  - ○ Setting the width to 100% and the height to 50px.
  - ○ Setting the background to transparent and removing any border or outline.
  - ○ Setting the font size to 1em and adding some padding on top, bottom, and right.
  - ○ Setting the color to white.
- A box selector that targets the divs with the class "box" that contain input fields and labels for different information. It applies some styles such as:
  - ○ Setting the margin to -15px on top, zero on left and right, and 15px on bottom.
  - ○ Setting the font size to .9em and the color to white.
- Displaying the element as a flex container, and spacing its children evenly along the main axis.