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- **IP Experiment 1**

## **AIM :**

Design a Login (Username, password) and Sign Up (Name, Mobile, Email, Address) web pages using HTML5 & CSS3.

Validations:

- i. Encrypt the password using JavaScript. Username must be greater than 3 character.
- ii. Mobile must be a number.
- iii. Email must be in correct format.

## **ALGORITHM:**

**Step 1 :** Add inputs with matching labels for each field. Wrap a “form” element around them to process the input.

**Step 2 :** Add the required CSS to design the login page try to keep the design as simple as possible.

**Step 3 :** Add required Javascript to the code ,if required for validations in the entry fields of the form.

## **PROGRAM:**

1)HTML :

\* login.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" />
  <link
    href="https://stackpath.bootstrapcdn.com/boot
strap/4.5.2/css/bootstrap.min.css"
    rel="stylesheet"
  />
  <script src="https://cdnjs.cloudflare.com/ajax/
libs/crypto-js/3.1.2/rollups/aes.js"></script>
  <script src="http://crypto-
js.googlecode.com/svn/tags/3.1.2/build/rollups/md5.
js"></script>
  <link rel="stylesheet" href="style.css" />
  <title>Experiment No 1</title>
</head>
<body>
  <br /><br /><br /><br />
  <div class="container">
    <form id="form" action="/" method="GET">
      <h2>Log in</h2>
      <br />
      <div class="form-group">
        <label for="name">Name</label><br />
        <input
```



```
<script src="script.js"></script>
<script src="https://ajax.googleapis.com/ajax/1
ibs/jquery/1.12.4/jquery.min.js"></script>
<script src="js/bootstrap.min.js"></script>
</body>
</html>
```

\*signin.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" />
    <link
      href="https://stackpath.bootstrapcdn.com/boot
strap/4.5.2/css/bootstrap.min.css"
      rel="stylesheet"
    />
    <script src="https://cdnjs.cloudflare.com/ajax/
libs/crypto-js/3.1.2/rollups/aes.js"></script>
    <script src="http://crypto-
js.googlecode.com/svn/tags/3.1.2/build/rollups/md5.
js"></script>
    <link rel="stylesheet" href="style.css" />
```



```

    <div class="form-group">
      <label for="name">Email</label><br />
      <input
        id="email"
        name="email"
        type="email"
        placeholder="Enter Email Address"
        required
      />
    </div>
    <div class="form-group">
      <label for="password">Password</label><br />

      <input
        id="password"
        name="password"
        type="password"
        placeholder="Enter Password"
      />
    </div>
    <br />
    <div id="error"></div>
    <br />
    <button type="submit">Sign in</button><br />
  >

  <a href="index.html">Already Registered ?</
a><br /><br />

```

```
    </form>
  </div>

  <script src="script.js"></script>
  <script src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.4/jquery.min.js"></script>
  <script src="js/bootstrap.min.js"></script>
</body>
</html>
```

1)CSS:

```
body {
  background-color: brown;
  background-image: url(./bg-intro-desktop.png);
}

.container {
  display: flex;
  align-items: center;
  justify-content: center;
  background-color: wheat;
  max-width: 400px;
  min-height: 550px;
  border-radius: 20px;
}

#error {
```

```
color: red;
}
```

### 3) Javascript :

```
const name = document.getElementById("name");
const password = document.getElementById("password");
const form = document.getElementById("form");
const errorElement = document.getElementById("error");

form.addEventListener("submit", (e) => {
    let messages = [];
    if (name.value === "" || name.value == null) {
        messages.push("Name is required");
    }

    if (name.value.length <= 3) {
        messages.push("Username must be longer than 3 characters");
    }

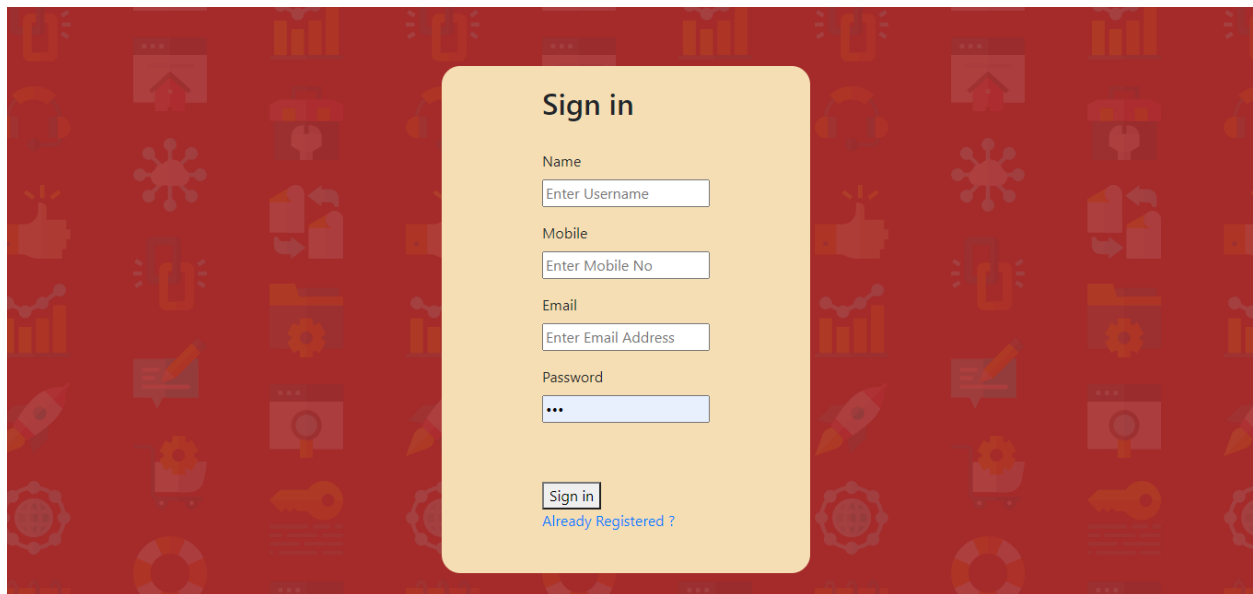
    if (messages.length > 0) {
        e.preventDefault();
        errorElement.innerText = messages.join(", ");
    }
}
```



```
var hide = document.getElementById("hide").value;

document.getElementById("hide").value = document.
getElementById(
    "password"
).value;
var hash = CryptoJS.MD5(password);
document.getElementById("password").value = hash;
return true;
});
```

## OUTPUT:



**Sign in**

Name

Mobile

Email

Password

[Already Registered ?](#)

## CONCLUSION:

Thus , we created a simple login and registration web page in a Windows using HTML5 and CSS3.

