

Assignment 2

Problem Statement :

Write a JavaScript Program to get the user registration data and push to array/local storage with AJAX POST method and data list in the new page.

Methodology:

Algorithm:

1. Start
1. Design Registration form using HTML and CSS.
2. Get data from the user and store it in a javascript array.
3. Store data in localStorage.
4. Extract data from local storage and display it on web page.
5. End

1) Design Registration form using HTML and CSS.

HTML FILE

```
Get Started  reg.html  reg.css  JS reg.js
reg.html > html > head > link
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta http-equiv="X-UA-Compatible" content="IE=edge">
6      <meta name="viewport" content="width=device-width, initial-scale=1.0">
7      <title>Document</title>
8      <link rel="stylesheet" type="text/css" href="reg.css">
9      <script src="reg.js"></script>
10 </head>
11 <body>
12     <form id="form" action="#">
13         <h1>REGISTRATION FORM</h1>
14         <label>Name: </label>
15         <input type="text" value="" id="name"><br><br>
16         <label>Contact:</label>
17         <input type="text" value="" id="contact"><br><br>
18         <label>Email:</label>
19         <input type="text" value="" id="mail"><br><br>
20     </form>
21
22     <input type="submit" value="Submit" name="button" id="btn" onclick="saveData()">
23 </body>
24 </html>
```

CSS FILE

```
# reg.css > h1
1  form{
2      text-align:center;
3      justify-content: center;
4      height: fit-content;
5      width: fit-content;
6      background-color: #pink;
7      border-color: #rgb(210, 17, 81);
8      border-width: 5px;
9  }
10 }
11 h1{
12     color:#rgb(210, 17, 81); |
13 }
14
15 body{
16     justify-content: center;}
17
18
19 #btn{
20     color: #rgb(77, 5, 29);
21     background-color: #rgb(241, 176, 198);
22     height: 30px;
23     width: 60px;
24     align-self: center;
25
26     margin-top: 20px;
27 }
```

OUTPUT:

REGITRATION FORM

Name:

Contact:

Email:

2) Get data from the user and store it in a javascript array.

- i) Create a Javascript file and define a saveData function to save user-inputted data in an array.

```
JS reg.js >  display
1  function saveData()
2  {
3    name=document.getElementById("name").value;
4    mail=document.getElementById("mail").value;
5    contact=document.getElementById("contact").value;
6    let user_records=new Array();
7    user_records=JSON.parse(localStorage.getItem("users"))?JSON.parse(localStorage.getItem("users")):[]
8    if(user_records.some((v)=>{return v.mail==mail}))
9    {
10     alert("duplicate data");
11    }
12    else
13    {
14     user_records.push({
15       "name":name,
16       "mail":mail,
17       "contact":contact,
18     })
19
20     localStorage.setItem("users",JSON.stringify(user_records));
21
22   }
23   for(let i = 0; i < user_records.length; i++){
24     console.log(user_records[i]);
25   }
26   display();
27 }
```

- ii) Define a display function that extracts data from local storage and displays it on the screen.
- iii) Call display function inside saveDate().

```
reg.js > display
function saveData()
{
  name=document.getElementById("name").value;
  mail=document.getElementById("mail").value;
  contact=document.getElementById("contact").value;
  let user_records=new Array();
  user_records=JSON.parse(localStorage.getItem("users"))?JSON.parse(localStorage.getItem("users")):[]
  if(user_records.some(v=>{return v.mail==mail}))
  {
    alert("duplicate data");
  }
  else
  {
    user_records.push({
      "name":name,
      "mail":mail,
      "contact":contact,
    })
  }
  localStorage.setItem("users",JSON.stringify(user_records));
}
for(let i = 0; i < user_records.length; i++){
  console.log(user_records[i]);
}
display();
}
function display(){
  for (var i = 0; i < localStorage.length; i++){
    document.writeln();
    document.write(localStorage.key(i) + "\n" + localStorage.getItem(localStorage.key(i)) + " ");
    document.writeln();
  }
}
```

3) Ensure that the HTML document is refreshed and form is filled out.

REGITRATION FORM

Name: Shreya Uday Mainkar

Contact: 9876543213

Email: Shreya@gmail.com

Submit

4) Once you click on the Submit button, you will be redirected to another page that displays the local storage data.

```
users [{ "name": "Shreya", "mail": "e", "contact": "9087654321" }, { "name": "Shreya Uday Mainkar", "mail": "Shreya25@gmail.com", "contact": "987654333" } ]
```

5) Click on "Refresh" to go to the registration form page.