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**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 new page.

**1)Index.html**

<!DOCTYPE html>

<html lang="en">

<head>

    <!-- Required meta tags-->

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

    <meta name="description" content="Colorlib Templates">

    <meta name="author" content="Colorlib">

    <meta name="keywords" content="Colorlib Templates">

    <!-- Title Page-->

    <title>Assignment 2B</title>

    <!-- Icons font CSS-->

    <link href="vendor/mdi-font/css/material-design-iconic-font.min.css" rel="stylesheet" media="all">

    <link href="vendor/font-awesome-4.7/css/font-awesome.min.css" rel="stylesheet" media="all">

    <!-- Font special for pages-->

    <link href="https://fonts.googleapis.com/css?family=Poppins:100,100i,200,200i,300,300i,400,400i,500,500i,600,600i,700,700i,800,800i,900,900i" rel="stylesheet">

    <!-- Vendor CSS-->

    <link href="vendor/select2/select2.min.css" rel="stylesheet" media="all">

    <link href="vendor/datepicker/daterangepicker.css" rel="stylesheet" media="all">

    <!-- Main CSS-->

    <link href="css/main.css" rel="stylesheet" media="all">

    <!-- AJAX -->

    <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js"></script>

</head>

<body>

    <div class="page-wrapper bg-gra-02 p-t-130 p-b-100 font-poppins">

        <div class="wrapper wrapper--w680">

            <div class="card card-4">

                <div class="card-body">

                    <h2 class="title">Registration Form</h2>

                    <form method="POST">

                        <div class="row row-space">

                            <div class="col-2">

                                <div class="input-group">

                                    <label class="label">first name</label>

                                    <input class="input--style-4 form-control" type="text" name="first\_name" id="firstName">

                                </div>

                            </div>

                            <div class="col-2">

                                <div class="input-group">

                                    <label class="label">last name</label>

                                    <input class="input--style-4 form-control" type="text" name="last\_name" id="lastName">

                                </div>

                            </div>

                        </div>

                        <div class="row row-space">

                            <div class="col-2">

                                <div class="input-group">

                                    <label class="label">Birthday</label>

                                    <div class="input-group-icon">

                                        <input class="input--style-4 js-datepicker form-control" type="text" name="birthday" id="birthday">

                                        <i class="zmdi zmdi-calendar-note input-icon js-btn-calendar"></i>

                                    </div>

                                </div>

                            </div>

                            <div class="col-2">

                                <div class="input-group">

                                    <label class="label">Gender</label>

                                    <input class="input--style-4 form-control" type="text" name="gender" id="gender">

                                </div>

                            </div>

                        </div>

                        <div class="row row-space">

                            <div class="col-2">

                                <div class="input-group">

                                    <label class="label">Email</label>

                                    <input class="input--style-4" type="email" name="email" id="email">

                                </div>

                            </div>

                            <div class="col-2">

                                <div class="input-group">

                                    <label class="label">Phone Number</label>

                                    <input class="input--style-4" type="text" name="phone" id="phone">

                                </div>

                            </div>

                        </div>

                        <div class="p-t-15">

                            <button class="btn btn--radius-2 btn--blue" type="submit" id="submit-btn">Submit</button>

                        </div>

                    </form>

                </div>

            </div>

        </div>

    </div>

    <!-- Jquery JS-->

    <script src="vendor/jquery/jquery.min.js"></script>

    <!-- Vendor JS-->

    <script src="vendor/select2/select2.min.js"></script>

    <script src="vendor/datepicker/moment.min.js"></script>

    <script src="vendor/datepicker/daterangepicker.js"></script>

    <!-- Main JS-->

    <script src="js/global.js"></script>

</body>

<script>

    // Example starter JavaScript for disabling form submissions if there are invalid fields

    (function () {

    'use strict'

    // Fetch all the forms we want to apply custom Bootstrap validation styles to

    var forms = document.querySelectorAll('.needs-validation')

    // Loop over them and prevent submission

    Array.prototype.slice.call(forms)

        .forEach(function (form) {

        form.addEventListener('submit', function (event) {

            if (!form.checkValidity()) {

            event.preventDefault()

            event.stopPropagation()

            }

            form.classList.add('was-validated')

        }, false)

        })

    })();

</script>

</html>

<!-- end document-->

**displayData.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">

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-1BmE4kWBq78iYhFldvKuhfTAU6auU8tT94WrHftjDbrCEXSU1oBoqyl2QvZ6jIW3" crossorigin="anonymous">

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js" integrity="sha384-ka7Sk0Gln4gmtz2MlQnikT1wXgYsOg+OMhuP+IlRH9sENBO0LRn5q+8nbTov4+1p" crossorigin="anonymous"></script>

    <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js"></script>

    <script src="/js/displayData.js"></script>

    <link rel="stylesheet" href="./css/display.css">

    <title>Document</title>

</head>

<body>

    <table>

        <tr>

            <th class = "c1">First Name</th>

            <th class = "c2">Last Name</th>

            <th class = "c3">Birth Date</th>

            <th class = "c4">Gender</th>

            <th class = "c5">Email</th>

            <th class = "c6">Phone</th>

        </tr>

        <tr>

            <td class = "c1" id="firstName"></td>

            <td class = "c2" id="lastName"></td>

            <td class = "c3" id="birthday"></td>

            <td class = "c4" id="gender"></td>

            <td class = "c5" id="email"></td>

            <td class = "c6" id="phone"></td>

        </tr>

    </table>

</body>

</html>

**Main.js**

let fetchData = () => {

  let httprequest = new XMLHttpRequest();

  httprequest.open("GET", "https://jsonplaceholder.typicode.com/users");

  httprequest.send();

  httprequest.onload = () => {

    let res = JSON.parse(httprequest.responseText);

    console.log(res);

    localStorage.setItem("users", JSON.stringify(res));

    displayData();

  };

};

let displayData = () => {

  let tbody = document.getElementById("tbody");

  tbody.innerHTML = "";

  let storedUser = JSON.parse(localStorage.getItem("users"));

  storedUser.map(

    (user, index) =>

      (tbody.innerHTML += `

                <tr>

                    <td>${index + 1}</td>

                    <td>${user.name}</td>

                    <td>${user.username}</td>

                    <td>${user.email}</td>

                    <td>${user.phone}</td>

                    <td>${user.address.city}</td>

                </tr>`)

  );

};

//initial Data

fetchData();

let btn = document.getElementById("btn");

btn.addEventListener("click", () => {

  const email = document.getElementById("email").value;

  const username = document.getElementById("username").value;

  const password = document.getElementById("password").value;

  const name = document.getElementById("name").value;

  const city = document.getElementById("city").value;

  const phone = document.getElementById("phone").value;

  let postObject = {

    email,

    password,

    name,

    phone,

    username,

    address: {

      city: city,

    },

  };

  let xhr = new XMLHttpRequest();

  xhr.open("POST", "https://jsonplaceholder.typicode.com/users/");

  xhr.setRequestHeader("Content-type", "application/json; charset=UTF-8");

  xhr.send(JSON.stringify(postObject));

  xhr.onload = () => {

    if (xhr.status == 201) {

      let storedUser = JSON.parse(localStorage.getItem("users"));

      storedUser.unshift(postObject);

      localStorage.setItem("users", JSON.stringify(storedUser));

      displayData();

    }

  };

});