

Assignment 1-B

JavaScript AJAX Implementation

```
<!--index.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>Assignment 1B</title>
    <link
      rel="stylesheet"
      href="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/css/bootstrap.min.css"
      integrity="sha384-zCbKRCUGaJDkqS1kPbPd7TveP5iyJE0EjAuZQTgFLD2y1zuqKfdKlfG/eSrtxUkn"
      crossorigin="anonymous"
    />
  </head>

  <body>
    <div class="container">
      <button
        class="btn btn-outline-success mt-5"
        data-toggle="modal"
        data-target="#addNewUser"
      >
        Add New User
      </button>
      <table class="table table-striped table-bordered my-5">
        <thead>
          <tr>
            <th scope="col">Sr No</th>
            <th scope="col">Name</th>
            <th scope="col">Username</th>
            <th scope="col">Email</th>
            <th scope="col">Phone</th>
            <th scope="col">City</th>
          </tr>
        </thead>
        <tbody id="tbody"></tbody>
      </table>

      <div class="modal fade" id="addNewUser">
        <div class="modal-dialog">
          <div class="modal-content">
            <div class="modal-header">
              <h5 class="modal-title" id="exampleModalLabel">Enter details</h5>
              <button
                type="button"
                class="close"
                data-dismiss="modal"
                aria-label="Close"
              >
                <span aria-hidden="true">&times;</span>
              </button>
            </div>
            <div class="modal-body">
              <form>
                <div class="form-group">
                  <label for="email">Email address</label>

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        <input type="email" class="form-control" id="email" />
    </div>
    <div class="form-group">
        <label for="text">Name</label>
        <input type="text" class="form-control" id="name" />
    </div>
    <div class="form-group">
        <label for="text">Username</label>
        <input type="text" class="form-control" id="username" />
    </div>
    <div class="form-group">
        <label for="text">City</label>
        <input type="text" class="form-control" id="city" />
    </div>

    <div class="form-group">
        <label for="text">phone</label>
        <input type="text" class="form-control" id="phone" />
    </div>
    <div class="form-group">
        <label for="password">Password</label>
        <input type="password" class="form-control" id="password" />
    </div>
    <button
        type="submit"
        id="btn"
        data-dismiss="modal"
        class="btn btn-primary"
    >
        Submit
    </button>
</form>
</div>
</div>
</div>
</div>
</div>

<script src="./main.js"></script>
<script
    src="https://cdn.jsdelivr.net/npm/jquery@3.5.1/dist/jquery.slim.min.js"
    integrity="sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCxaRkfj"
    crossorigin="anonymous"
></script>
<script
    src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js"
    integrity="sha384-9/reFTGAW83EW2RDu2S0VKAizap3H66lZ81PoYlFhbGU+6BZp6G7niu735Sk7lN"
    crossorigin="anonymous"
></script>
<script
    src="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/js/bootstrap.min.js"
    integrity="sha384-VHvPCCyXqtD5DqJeNxl2dtTyhF78xXNXdkwX1CZeRusQfRKp+tA7hAsh0K/B/fQ2"
    crossorigin="anonymous"
></script>
</body>
</html>

```

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//main.js

let fetchData = () => {
    let httprequest = new XMLHttpRequest();

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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();
    }
}

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```
};  
});
```

Add New User

Sr No	Name	Username	Email	Phone	City
1	bhavesh	bhavesh29	bhaveshpatil@gmail.com	9876543210	pune
2	Leanne Graham	Bret	Sincere@april.biz	1-770-736-8031 x56442	Gwenborough
3	Ervin Howell	Antonette	Shanna@melissa.tv	010-692-6593 x09125	Wisokyburgh
4	Clementine Bauch	Samantha	Nathan@yesenia.net	1-463-123-4447	McKenziehaven
5	Patricia Lebsack	Karianne	Julianne.OConner@kory.org	493-170-9623 x156	South Elvis
6	Chelsey Dietrich	Kamren	Lucio_Hettinger@annie.ca	(254)954-1289	Roscoeview
7	Mrs. Dennis Schulist	Leopoldo_Corkery	Karley_Dach@jasper.info	1-477-935-8478 x6430	South Christy
8	Kurtis Weissnat	Elwyn.Skiles	Telly.Hoeger@billy.biz	210.067.6132	Howemouth
9	Nicholas Runolfsdottir V	Maxime_Nienow	Sherwood@rosamond.me	586.493.6943 x140	Aliyaview
10	Glenna Reichert	Delphine	Chaim_McDermott@dana.io	(775)976-6794 x41206	Bartholomebury
11	Clementina DuBuque	Moriah.Stanton	Rey.Padberg@karina.biz	024-648-3804	Lebsackbury