1. **Authenticate user using the credentials specified : -**

**NOTE :- THIS ASSIGNMENT MADE UP WITH BOOTSTRAP**

**ASSIGNMENT**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>API Integration with Bootstrap</title>

<!-- Add Bootstrap CSS -->

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">

</head>

<body>

<!-- Button to trigger the login modal -->

<button type="button" class="btn btn-primary mt-5 ml-5" data-toggle="modal" data-target="#loginModal">

Login

</button>

<!-- Login Modal -->

<div class="modal fade" id="loginModal" tabindex="-1" aria-labelledby="loginModalLabel" aria-hidden="true">

<div class="modal-dialog">

<div class="modal-content">

<div class="modal-header">

<h5 class="modal-title" id="loginModalLabel">Login</h5>

<button type="button" class="close" data-dismiss="modal" aria-label="Close">

<span aria-hidden="true">&times;</span>

</button>

</div>

<div class="modal-body">

<!-- Login Form -->

<form id="loginForm">

<div class="form-group">

<label for="login\_id">Email:</label>

<input type="email" class="form-control" id="login\_id" name="login\_id" required>

</div>

<div class="form-group">

<label for="password">Password:</label>

<input type="password" class="form-control" id="password" name="password" required>

</div>

<button type="submit" class="btn btn-primary">Login</button>

</form>

<!-- Result Display -->

<div id="result" class="mt-3"></div>

</div>

</div>

</div>

</div>

<!-- Add Bootstrap JS, jQuery, and Popper.js -->

<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>

<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>

<!-- JavaScript for API integration -->

<script>

document.getElementById("loginForm").addEventListener("submit", function (e) {

e.preventDefault();

const loginId = document.getElementById("login\_id").value;

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

// Authentication API endpoint

const authEndpoint = "https://qa2.sunbasedata.com/sunbase/portal/api/assignment\_auth.jsp";

// Authentication request

fetch(authEndpoint, {

method: "POST",

headers: {

"Content-Type": "application/json"

},

body: JSON.stringify({

login\_id: loginId,

password: password

})

})

.then(response => {

if (response.ok) {

return response.json();

} else {

throw new Error("Authentication failed.");

}

})

.then(data => {

// Extract the token from the response

const token = data.token;

document.getElementById("result").innerHTML = `Authentication successful. Bearer token: ${token}`;

// Now you can use the token for further API calls or perform other actions

// Example:

// fetch("https://api.example.com/some\_endpoint", {

// headers: {

// "Authorization": `Bearer ${token}`

// }

// })

// .then(response => response.json())

// .then(data => {

// // Handle API response

// });

})

.catch(error => {

document.getElementById("result").innerHTML = "Authentication failed.";

console.error(error);

});

});

</script>

</body>

</html>

**2. Create a new Customer:**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Create Customer</title>

<!-- Add Bootstrap CSS -->

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">

</head>

<body>

<!-- Button to trigger the create customer modal -->

<button type="button" class="btn btn-primary mt-5 ml-5" data-toggle="modal" data-target="#createCustomerModal">

Create Customer

</button>

<!-- Create Customer Modal -->

<div class="modal fade" id="createCustomerModal" tabindex="-1" aria-labelledby="createCustomerModalLabel" aria-hidden="true">

<div class="modal-dialog">

<div class="modal-content">

<div class="modal-header">

<h5 class="modal-title" id="createCustomerModalLabel">Create Customer</h5>

<button type="button" class="close" data-dismiss="modal" aria-label="Close">

<span aria-hidden="true">&times;</span>

</button>

</div>

<div class="modal-body">

<!-- Create Customer Form -->

<form id="createCustomerForm">

<div class="form-group">

<label for="first\_name">First Name:</label>

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

</div>

<div class="form-group">

<label for="last\_name">Last Name:</label>

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

</div>

<div class="form-group">

<label for="street">Street:</label>

<input type="text" class="form-control" id="street" name="street">

</div>

<div class="form-group">

<label for="address">Address:</label>

<input type="text" class="form-control" id="address" name="address">

</div>

<div class="form-group">

<label for="city">City:</label>

<input type="text" class="form-control" id="city" name="city">

</div>

<div class="form-group">

<label for="state">State:</label>

<input type="text" class="form-control" id="state" name="state">

</div>

<div class="form-group">

<label for="email">Email:</label>

<input type="email" class="form-control" id="email" name="email">

</div>

<div class="form-group">

<label for="phone">Phone:</label>

<input type="text" class="form-control" id="phone" name="phone">

</div>

<button type="submit" class="btn btn-primary">Create</button>

</form>

<!-- Result Display -->

<div id="createResult" class="mt-3"></div>

</div>

</div>

</div>

</div>

<!-- Add Bootstrap JS, jQuery, and Popper.js -->

<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>

<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>

<!-- JavaScript for Create Customer -->

<script>

document.getElementById("createCustomerForm").addEventListener("submit", function (e) {

e.preventDefault();

const firstName = document.getElementById("first\_name").value;

const lastName = document.getElementById("last\_name").value;

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

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

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

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

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

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

// Check if first\_name and last\_name are provided

if (!firstName || !lastName) {

document.getElementById("createResult").innerHTML = `<div class="alert alert-danger">First Name and Last Name are mandatory.</div>`;

return;

}

// Create Customer API endpoint

const createCustomerEndpoint = "API\_ENDPOINT\_HERE"; // Replace with your API endpoint

const token = "TOKEN\_HERE"; // Replace with the Bearer token received from authentication

// Create Customer request

fetch(createCustomerEndpoint, {

method: "POST",

headers: {

"Content-Type": "application/json",

"Authorization": `Bearer ${token}`

},

body: JSON.stringify({

cmd: "create",

first\_name: firstName,

last\_name: lastName,

street: street,

address: address,

city: city,

state: state,

email: email,

phone: phone

})

})

.then(response => {

if (response.status === 201) {

document.getElementById("createResult").innerHTML = `<div class="alert alert-success">Successfully Created</div>`;

} else if (response.status === 400) {

document.getElementById("createResult").innerHTML = `<div class="alert alert-danger">First Name or Last Name is missing</div>`;

} else {

throw new Error("Customer creation failed.");

}

})

.catch(error => {

document.getElementById("createResult").innerHTML = `<div class="alert alert-danger">Customer creation failed.</div>`;

console.error(error);

});

});

</script>

</body>

</html>

**3. Get customer list:**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Customer List</title>

<!-- Add Bootstrap CSS -->

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">

</head>

<body>

<div class="container mt-5">

<h1>Customer List</h1>

<!-- Customer List Table -->

<table class="table table-bordered">

<thead>

<tr>

<th>First Name</th>

<th>Last Name</th>

<th>Street</th>

<th>Address</th>

<th>City</th>

<th>State</th>

<th>Email</th>

<th>Phone</th>

</tr>

</thead>

<tbody id="customerList">

<!-- Customer data will be displayed here -->

</tbody>

</table>

</div>

<!-- Add Bootstrap JS, jQuery, and Popper.js -->

<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>

<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>

<!-- JavaScript for Get Customer List -->

<script>

// Get Customer List API endpoint

const getCustomerListEndpoint = "API\_ENDPOINT\_HERE"; // Replace with your API endpoint

const token = "TOKEN\_HERE"; // Replace with the Bearer token received from authentication

// Fetch and display the customer list

fetch(`${getCustomerListEndpoint}?cmd=get\_customer\_list`, {

method: "GET",

headers: {

"Authorization": `Bearer ${token}`

}

})

.then(response => {

if (response.ok) {

return response.json();

} else {

throw new Error("Failed to fetch customer list.");

}

})

.then(data => {

const customerList = document.getElementById("customerList");

// Iterate through the customer data and add rows to the table

data.forEach(customer => {

const row = document.createElement("tr");

row.innerHTML = `

<td>${customer.first\_name}</td>

<td>${customer.last\_name}</td>

<td>${customer.street}</td>

<td>${customer.address}</td>

<td>${customer.city}</td>

<td>${customer.state}</td>

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

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

`;

customerList.appendChild(row);

});

})

.catch(error => {

console.error(error);

});

</script>

</body>

</html>

**4. Delete a customer :-**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Delete Customer</title>

<!-- Add Bootstrap CSS -->

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">

</head>

<body>

<div class="container mt-5">

<h1>Delete Customer</h1>

<!-- Delete Customer Button -->

<button type="button" class="btn btn-danger" data-toggle="modal" data-target="#deleteCustomerModal">

Delete Customer

</button>

</div>

<!-- Delete Customer Modal -->

<div class="modal fade" id="deleteCustomerModal" tabindex="-1" aria-labelledby="deleteCustomerModalLabel" aria-hidden="true">

<div class="modal-dialog">

<div class="modal-content">

<div class="modal-header">

<h5 class="modal-title" id="deleteCustomerModalLabel">Confirm Deletion</h5>

<button type="button" class="close" data-dismiss="modal" aria-label="Close">

<span aria-hidden="true">&times;</span>

</button>

</div>

<div class="modal-body">

<p>Are you sure you want to delete this customer?</p>

</div>

<div class="modal-footer">

<!-- Delete Button -->

<button type="button" class="btn btn-danger" id="confirmDeleteBtn">Delete</button>

<!-- Close Button -->

<button type="button" class="btn btn-secondary" data-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- Add Bootstrap JS, jQuery, and Popper.js -->

<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>

<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>

<!-- JavaScript for Delete Customer -->

<script>

// Delete Customer API endpoint

const deleteCustomerEndpoint = "API\_ENDPOINT\_HERE"; // Replace with your API endpoint

const token = "TOKEN\_HERE"; // Replace with the Bearer token received from authentication

// UUID of the customer to be deleted (replace with the actual UUID)

const customerUUID = "UUID\_TO\_BE\_DELETED";

// Confirm deletion when the Delete button is clicked

document.getElementById("confirmDeleteBtn").addEventListener("click", function () {

// Delete Customer request

fetch(deleteCustomerEndpoint, {

method: "POST",

headers: {

"Content-Type": "application/json",

"Authorization": `Bearer ${token}`

},

body: JSON.stringify({

cmd: "delete",

uuid: customerUUID

})

})

.then(response => {

if (response.status === 200) {

// Successfully deleted

alert("Customer successfully deleted.");

location.reload(); // Refresh the page or update the customer list

} else if (response.status === 500) {

// Error: Not deleted

alert("Error: Customer not deleted.");

} else if (response.status === 400) {

// Error: UUID not found

alert("Error: UUID not found.");

} else {

throw new Error("Customer deletion failed.");

}

})

.catch(error => {

console.error(error);

alert("Customer deletion failed.");

});

// Close the modal

$('#deleteCustomerModal').modal('hide');

});

</script>

</body>

</html>

**5. Update a customer :-**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Update Customer</title>

<!-- Add Bootstrap CSS -->

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">

</head>

<body>

<div class="container mt-5">

<h1>Update Customer</h1>

<!-- Update Customer Button -->

<button type="button" class="btn btn-primary" data-toggle="modal" data-target="#updateCustomerModal">

Update Customer

</button>

</div>

<!-- Update Customer Modal -->

<div class="modal fade" id="updateCustomerModal" tabindex="-1" aria-labelledby="updateCustomerModalLabel" aria-hidden="true">

<div class="modal-dialog">

<div class="modal-content">

<div class="modal-header">

<h5 class="modal-title" id="updateCustomerModalLabel">Update Customer</h5>

<button type="button" class="close" data-dismiss="modal" aria-label="Close">

<span aria-hidden="true">&times;</span>

</button>

</div>

<div class="modal-body">

<!-- Update Customer Form -->

<form id="updateCustomerForm">

<div class="form-group">

<label for="uuid">Customer UUID:</label>

<input type="text" class="form-control" id="uuid" name="uuid" required>

</div>

<div class="form-group">

<label for="first\_name">First Name:</label>

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

</div>

<div class="form-group">

<label for="last\_name">Last Name:</label>

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

</div>

<div class="form-group">

<label for="street">Street:</label>

<input type="text" class="form-control" id="street" name="street">

</div>

<div class="form-group">

<label for="address">Address:</label>

<input type="text" class="form-control" id="address" name="address">

</div>

<div class="form-group">

<label for="city">City:</label>

<input type="text" class="form-control" id="city" name="city">

</div>

<div class="form-group">

<label for="state">State:</label>

<input type="text" class="form-control" id="state" name="state">

</div>

<div class="form-group">

<label for="email">Email:</label>

<input type="email" class="form-control" id="email" name="email">

</div>

<div class="form-group">

<label for="phone">Phone:</label>

<input type="text" class="form-control" id="phone" name="phone">

</div>

<button type="submit" class="btn btn-primary">Update</button>

</form>

<!-- Result Display -->

<div id="updateResult" class="mt-3"></div>

</div>

</div>

</div>

</div>

<!-- Add Bootstrap JS, jQuery, and Popper.js -->

<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>

<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>

<!-- JavaScript for Update Customer -->

<script>

// Update Customer API endpoint

const updateCustomerEndpoint = "API\_ENDPOINT\_HERE"; // Replace with your API endpoint

const token = "TOKEN\_HERE"; // Replace with the Bearer token received from authentication

// Handle the form submission for updating a customer

document.getElementById("updateCustomerForm").addEventListener("submit", function (e) {

e.preventDefault();

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

const firstName = document.getElementById("first\_name").value;

const lastName = document.getElementById("last\_name").value;

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

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

const city = document