**DOM Manipulation with Forms**

**HTML**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Form and Table</title>

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

<link rel="stylesheet" href="styles.css">

</head>

<body>

<div class="container mt-5">

<h2>Form</h2>

<form id="form">

<div class="form-row">

<div class="form-group col-md-6">

<label for="firstName">First Name</label>

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

</div>

<div class="form-group col-md-6">

<label for="lastName">Last Name</label>

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

</div>

</div>

<div class="form-group">

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

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

</div>

<div class="form-group">

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

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

</div>

<div class="form-group">

<label for="pincode">Pincode</label>

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

</div>

<div class="form-group">

<label>Gender</label>

<div class="form-check">

<input class="form-check-input" type="radio" name="gender" id="male" value="Male" required>

<label class="form-check-label" for="male">

Male

</label>

</div>

<div class="form-check">

<input class="form-check-input" type="radio" name="gender" id="female" value="Female">

<label class="form-check-label" for="female">

Female

</label>

</div>

</div>

<div class="form-group">

<label>Choice of Food (Choose at least 2)</label>

<div class="form-check">

<input class="form-check-input" type="checkbox" id="food1" value="Pizza">

<label class="form-check-label" for="food1">Pizza</label>

</div>

<div class="form-check">

<input class="form-check-input" type="checkbox" id="food2" value="Burger">

<label class="form-check-label" for="food2">Burger</label>

</div>

<div class="form-check">

<input class="form-check-input" type="checkbox" id="food3" value="Pasta">

<label class="form-check-label" for="food3">Pasta</label>

</div>

<div class="form-check">

<input class="form-check-input" type="checkbox" id="food4" value="Salad">

<label class="form-check-label" for="food4">Salad</label>

</div>

<div class="form-check">

<input class="form-check-input" type="checkbox" id="food5" value="Sushi">

<label class="form-check-label" for="food5">Sushi</label>

</div>

</div>

<div class="form-group">

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

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

</div>

<div class="form-group">

<label for="country">Country</label>

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

</div>

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

</form>

<h2 class="mt-5">Submitted Data</h2>

<table class="table table-bordered">

<thead>

<tr>

<th>First Name</th>

<th>Last Name</th>

<th>Email</th>

<th>Address</th>

<th>Pincode</th>

<th>Gender</th>

<th>Food</th>

<th>State</th>

<th>Country</th>

</tr>

</thead>

<tbody id="tableBody">

<!-- Form data will be appended here -->

</tbody>

</table>

</div>

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

</body>

</html>

**CSS**

body {

background-color: #f8f9fa;

}

h2 {

margin-bottom: 20px;

}

form {

background: #fff;

padding: 20px;

border-radius: 8px;

box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);

}

table {

background: #fff;

margin-top: 20px;

border-radius: 8px;

box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);

}

**script.js**

document.getElementById('userForm').addEventListener('submit', function(event) {

event.preventDefault();

const firstName = document.getElementById('firstName').value;

const lastName = document.getElementById('lastName').value;

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

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

const pincode = document.getElementById('pincode').value;

const gender = document.querySelector('input[name="gender"]:checked').value;

const food = Array.from(document.querySelectorAll('input[name="food"]:checked')).map(el => el.value).join(', ');

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

const country = document.getElementById('country').value;

if (document.querySelectorAll('input[name="food"]:checked').length < 2) {

alert('Please choose at least two food items.');

return;

}

const newRow = document.createElement('tr');

newRow.innerHTML = `

<td>${firstName}</td>

<td>${lastName}</td>

<td>${email}</td>

<td>${address}</td>

<td>${pincode}</td>

<td>${gender}</td>

<td>${food}</td>

<td>${state}</td>

<td>${country}</td>

`;

document.getElementById('tableBody').appendChild(newRow);

document.getElementById('userForm').reset();

});