**Objective:-** Design a dynamic table based on user input (rows and columns). in each cell add a text field to take input. On the submit button no text field should be empty.

**HTML Code :-**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Dynamic Table</title>

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

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

</head>

<body>

<div class="container">

<h2>Dynamic Table</h2>

<div class="row mb-3">

<div class="col">

<label for="rows">Rows:</label>

<input type="number" id="rows" min="1" value="1" class="form-control">

</div>

<div class="col">

<label for="columns">Columns:</label>

<input type="number" id="columns" min="1" value="1" class="form-control">

</div>

<div class="col">

<button id="generate-btn" onclick="generateTable()" class="btn btn-primary">Generate Table</button>

</div>

</div>

<div id="table-container"></div>

<button id="submit-btn" onclick="submitData()" class="btn btn-success d-none">Submit</button>

</div>

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

</body>

</html>

**CSS Code :-**

.container {

margin-top: 50px;

}

table {

border-collapse: collapse;

width: 100%;

}

th,

td {

border: 1px solid #dddddd;

text-align: left;

padding: 8px;

}

th {

background-color: #f2f2f2;

}

input[type="text"] {

width: 100%;

}

**Javascript Code :-**

function generateTable() {

var rows = parseInt(document.getElementById('rows').value);

var columns = parseInt(document.getElementById('columns').value);

var tableContainer = document.getElementById('table-container');

var generateBtn = document.getElementById('generate-btn');

var submitBtn = document.getElementById('submit-btn');

submitBtn.classList.remove('d-none');

submitBtn.disabled = false;

generateBtn.disabled = true;

generateBtn.style.display = 'none';

tableContainer.innerHTML = ''”;

var table = document.createElement('table');

table.classList.add('table', 'table-bordered');

for (var i = 0; i < rows; i++) {

var row = table.insertRow();

for (var j = 0; j < columns; j++) {

var cell = row.insertCell();

var input = document.createElement('input');

input.type = 'text';

input.classList.add('form-control');

cell.appendChild(input);

}

}

tableContainer.appendChild(table);

}

function submitData() {

var inputs = document.querySelectorAll('input[type="text"]');

var isValid = true;

inputs.forEach(function(input) {

if (input.value.trim() === '') {

isValid = false;

input.classList.add('is-invalid');

} else {

input.classList.remove('is-invalid');

}

});

if (!isValid) {

alert('Please Fill All Fields');

}

}

**Output :-**

