
 Marwadi University Marwadi Chandarana Group 	Marwadi University Faculty of Technology Department of Information and Communication Technology	
Subject: Internet and Web Technology (01CT0408)	Aim: 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.	
Assignment:- 02	Date:- 13-04-2024	Enrollment No:- 92200133030

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 {
```

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```
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) {
```

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```

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 :-

Dynamic Table

Rows:

Columns:

<input type="text" value="A"/>	<input type="text" value="B"/>	<input type="text" value="C"/>
<input type="text" value="D"/>	<input type="text" value="E"/>	<input type="text" value="F"/>
<input type="text" value="G"/>	<input type="text" value="H"/>	<input type="text" value="I"/>