

FRONTEND

```
<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>School Management System</title>

<center>

<style>

  body {

    font-family: Arial, sans-serif;

  }

  .container {

    max-width: 800px;

    margin: 0 auto;

    padding: 20px;

  }

  table {

    width: 100%;

    border-collapse: collapse;

  }

  table, th, td {

    border: 1px solid #ccc;

    padding: 8px;

    text-align: center;

  }

  th {

    background-color: #f2f2f2;

  }

  button {

    padding: 8px 16px;
```

```

        margin-top: 10px;
        cursor: pointer;
    }
</style>
</head>
<body>
<div class="container">
    <h2>Student Screen</h2>
    <button onclick="openAddEditModal('student')">Add</button>
    <button onclick="openViewModal('student')">View</button>
    <button onclick="openEditModal('student')">Edit</button>
    <button onclick="deleteItem('student')">Delete</button>
    <h2>Teacher Screen</h2>
    <button onclick="openAddEditModal('teacher')">Add</button>
    <button onclick="openViewModal('teacher')">View</button>
    <button onclick="openEditModal('teacher')">Edit</button>
    <button onclick="deleteItem('teacher')">Delete</button>
    <h2>Marks Screen</h2>
    <label for="studentSearch">Search Student:</label>
    <input type="text" id="studentSearch">
    <button onclick="searchMarks()">Search</button>
    <div id="marksTable"></div>
</div>
<div id="myModal" class="modal">
    <div class="modal-content">
        <span class="close" onclick="closeModal()">&times;</span>
        <h2 id="modalTitle"></h2>
        <form id="modalForm">
            <label for="name">Name:</label><br>
            <input type="text" id="name" name="name"><br>
            <button type="submit">Submit</button>
        </form>
    </div>
</div>

```

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</div>
```

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</div>
```

```
</center>
```

```
<script>
```

```
function Request() {  
    return new Promise((resolve) => {  
        setTimeout(() => {  
            resolve();  
        }, 1000);  
    });  
}
```

```
function openAddEditModal(type) {  
    document.getElementById("modalTitle").textContent = "Add " + type.charAt(0).toUpperCase()  
+ type.slice(1);  
    document.getElementById("modalForm").reset();  
    document.getElementById("myModal").style.display = "block";  
}
```

```
function openViewModal(type) {  
    alert("View " + type);  
}
```

```
function openEditModal(type) {  
    alert("Edit " + type);  
}
```

```
function deleteItem(type) {  
    alert("Delete " + type);  
}
```

```
function closeModal() {  
    document.getElementById("myModal").style.display = "none";  
}
```

```
}
```

```
function searchMarks() {  
    const studentSearch = document.getElementById("studentSearch").value;  
    Request().then(() => {  
        const marksData = [  
            { studentID: "1", name: "Yogesh", class: "10", teacher: "Harish", subject: "Mathmetics",  
marks: "90" },  
            { studentID: "2", name: "Pavan", class: "10", teacher: "Kiran", subject: "Science", marks:  
"85" },  
            { studentID: "3", name: "Roshan", class: "10", teacher: "Goutham", subject: "Social  
Science", marks: "80" },  
            { studentID: "4", name: "Nachiketh", class: "10", teacher: "Chandru", subject: "Kannada",  
marks: "95" },  
            { studentID: "5", name: "Nitesh", class: "10", teacher: "Pradeep", subject: "English", marks:  
"75" },  
            { studentID: "6", name: "Vinaya", class: "10", teacher: "Madevi", subject: "Hindi", marks:  
"87" },  
            { studentID: "7", name: "Prekshith", class: "10", teacher: "Asha", subject: "Science", marks:  
"80" },  
            { studentID: "8", name: "Raghu", class: "10", teacher: "Ganesh", subject: "Mathmetics",  
marks: "82" },  
            { studentID: "9", name: "Sachin", class: "10", teacher: "Gourav", subject: "Social Science",  
marks: "70" },  
            { studentID: "10", name: "Suraj", class: "10", teacher: "Mahesh", subject: "Kannada",  
marks: "90" }  
        ];  
        let tableHTML = '<table><tr><th>Student  
ID</th><th>Name</th><th>Class</th><th>Teacher</th><th>Subject</th><th>Marks</th></tr>';  
        marksData.forEach(data => {  
            tableHTML +=  
'<tr><td>${data.studentID}</td><td>${data.name}</td><td>${data.class}</td><td>${data.teacher}</td><td>${data.subject}</td><td>${data.marks}</td></tr>';  
        });  
        tableHTML += '</table>';  
        document.getElementById("marksTable").innerHTML = tableHTML;  
    });  
}
```

```
}  
</script>  
</body>  
</html>
```

BACKEND

```
from flask import Flask, jsonify, request
```

```
app = Flask(__name__)
```

```
students = [  
    {"id": 1, "name": "Yogesh"},  
    {"id": 2, "name": "Pavan"},  
    {"id": 3, "name": " Roshan "},  
    {"id": 4, "name": " Nachiketh "},  
    {"id": 5, "name": " Nitesh "},  
    {"id": 6, "name": " Vinaya "},  
    {"id": 7, "name": " Prekshith "},  
    {"id": 8, "name": " Raghu "},  
    {"id": 9, "name": " Sachin "},  
    {"id": 10, "name": "Suraj"},  
]
```

```
teachers = [  
    {"id": 1, "name": " Harish "},  
    {"id": 2, "name": " Kiran "},  
    {"id": 3, "name": " Goutham "},  
    {"id": 4, "name": " Chandru "},  
    {"id": 5, "name": " Pradeep "},  
    {"id": 6, "name": " Madevi "},  
    {"id": 7, "name": " Asha "},  
    {"id": 8, "name": " Ganesh "},  
    {"id": 9, "name": " Gourav "},  
    {"id": 10, "name": " Mahesh "},  
]
```

```

]

marks = [
    { studentID: "1", name: "Yogesh", class: "10", teacher: "Harish", subject: "Mathmetics",
marks: "90" },
    { studentID: "2", name: "Pavan", class: "10", teacher: "Kiran", subject: "Science", marks:
"85" },
    { studentID: "3", name: "Roshan", class: "10", teacher: "Goutham", subject: "Social
Science", marks: "80" },
    { studentID: "4", name: "Nachiketh", class: "10", teacher: "Chandru", subject: "Kannada",
marks: "95" },
    { studentID: "5", name: "Nitesh", class: "10", teacher: "Pradeep", subject: "English", marks:
"75" },
    { studentID: "6", name: "Vinaya", class: "10", teacher: "Madevi", subject: "Hindi", marks:
"87" },
    { studentID: "7", name: "Prekshith", class: "10", teacher: "Asha", subject: "Science", marks:
"80" },
    { studentID: "8", name: "Raghu", class: "10", teacher: "Ganesh", subject: "Mathmetics",
marks: "82" },
    { studentID: "9", name: "Sachin", class: "10", teacher: "Gourav", subject: "Social Science",
marks: "70" },
    { studentID: "10", name: "Suraj", class: "10", teacher: "Mahesh", subject: "Kannada",
marks: "90" }
]

@app.route('/students', methods=['GET'])
def get_students():
    return jsonify(students)

@app.route('/students/<int:student_id>', methods=['GET'])
def get_student(student_id):
    student = next((student for student in students if student['id'] == student_id), None)
    if student:
        return jsonify(student)
    else:
        return jsonify({"message": "Student not found"}), 404

@app.route('/students', methods=['POST'])
def create_student():

```

```
data = request.get_json()
students.append(data)
return jsonify(data), 201
```

```
@app.route('/students/<int:student_id>', methods=['PUT'])
def update_student(student_id):
    data = request.get_json()
    for student in students:
        if student['id'] == student_id:
            student.update(data)
            return jsonify(student)
    return jsonify({"message": "Student not found"}), 404
```

```
@app.route('/students/<int:student_id>', methods=['DELETE'])
def delete_student(student_id):
    global students
    students = [student for student in students if student['id'] != student_id]
    return jsonify({"message": "Student deleted successfully"}), 200
```

```
@app.route('/marks', methods=['GET'])
def get_marks():
    return jsonify(marks)
```

```
if __name__ == '__main__':
    app.run(debug=True)
```