Marwadi University	**Marwadi University** **Faculty of Technology** **Department of Information and Communication Technology**	
Subject: AWT	**Aim: Create an application for student result management using React JS.**	
Practical 1	**Date:**	**Enrollment No: 92200133005**

AIM:

Create an application for student result management using React JS.

CODE:

App.js

```
import React, { useState } from 'react';
import StudentForm from './components/StudentForm';
import StudentList from './components/StudentList';
import './App.css';
const App = () => {
  const [students, setStudents] = useState([]);
  const addStudent = (student) => {
    setStudents([...students, student]);};
  const calculateAverage = () => {
    if (students.length === 0) return 0;
    const total = students.reduce((sum, student) => sum + student.marks, 0);
    return (total / students.length).toFixed(2);
  };
import React, { useState } from 'react';
import './StudentForm.css';
const StudentForm = ({ addStudent }) => {
  const [name, setName] = useState('');
  const [marks, setMarks] = useState('');
  const [error, setError] = useState('');
```

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```
const handleSubmit = (e) => {
  e.preventDefault();
  if (!name) {
    setError('Please enter a student name.');
    return;}
  if (!marks || marks < 0 || marks > 100) {
    setError('Please enter valid marks (0-100).');
    return;}
  setError('');
  addStudent({ name, marks: parseInt(marks) });
  setName('');
  setMarks('');
};
return (
  <form onSubmit={handleSubmit} className="student-form">
    <div className="form-group">
      <label>Student Name:</label>
      <input
        type="text"
        placeholder="Enter student name"
        value={name}
        onChange={(e) => setName(e.target.value)}
    <div className="form-group">
```

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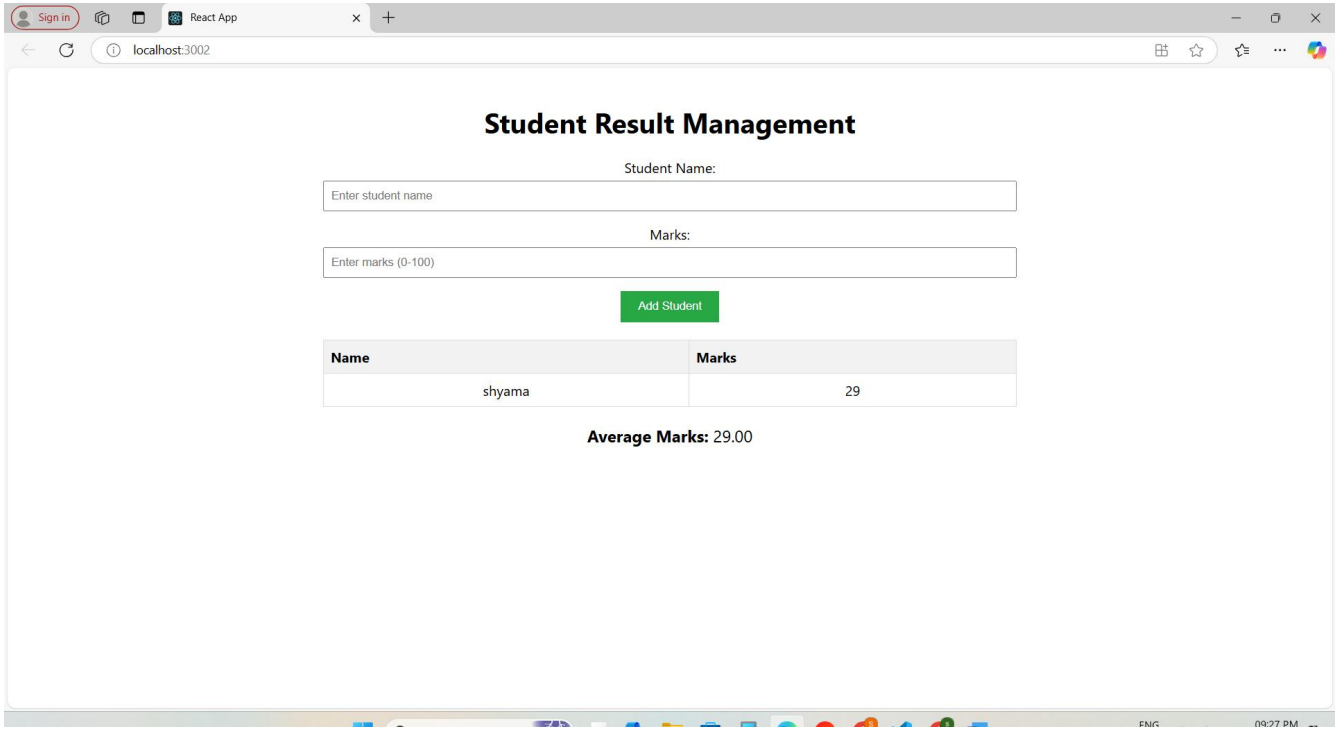
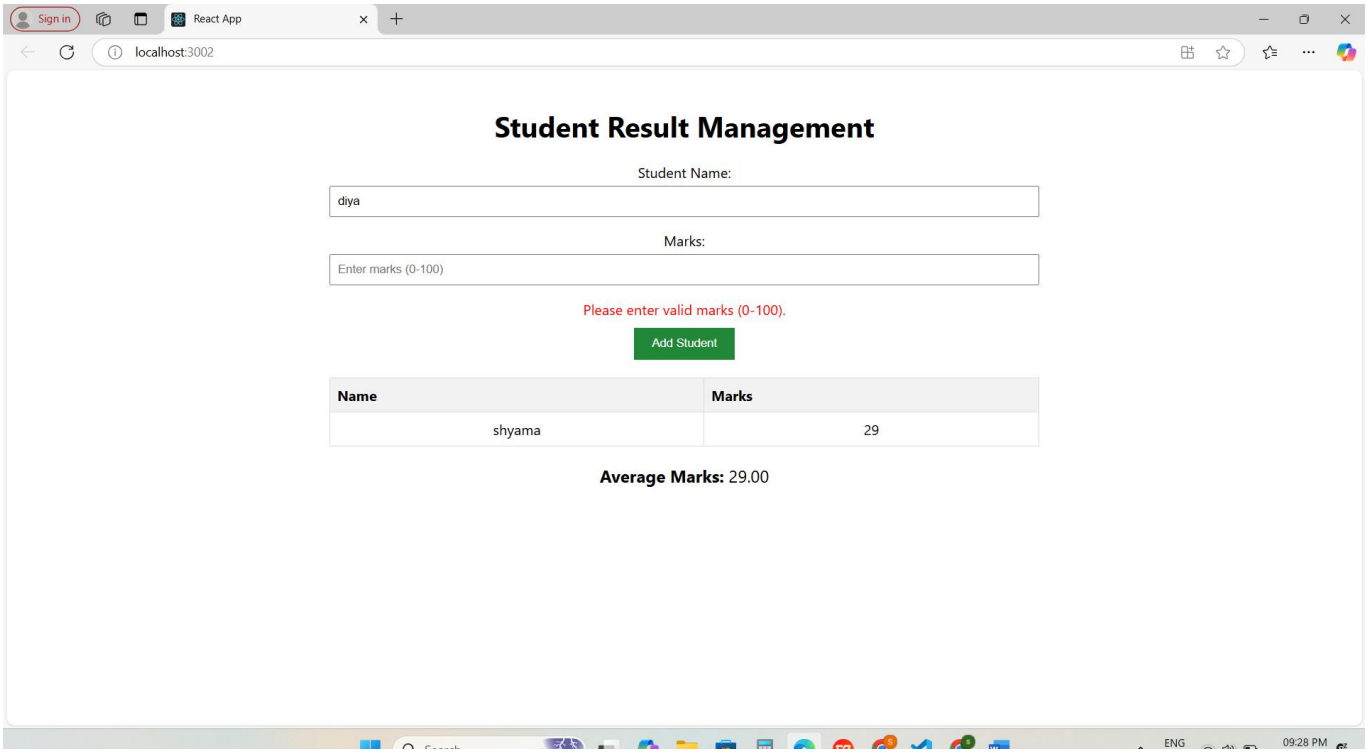
```
      <label>Marks:</label>
      <input
        type="number"
        placeholder="Enter marks (0-100)"
        value={marks}
        onChange={(e) => setMarks(e.target.value)}
      />
    </div>
    {error && <p className="error">{error}</p>}
    <button type="submit">Add Student</button>
  </form>
 );
};
export default StudentForm;
<tbody>
      {students.map((student, index) => (
       <tr key={index}>
         <td>{student.name}</td>
         <td>{student.marks}</td>
```

OUTPUT:

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