

ReactJS Simple Program

Frontend File: App.js

```
import React, { useEffect, useState } from 'react';

function App() {
  const [students, setStudents] = useState([]);
  const [form, setForm] = useState({ name: '', age: '', email: '' });

  useEffect(() => {
    fetch('http://localhost:8080/students')
      .then(res => res.json())
      .then(data => setStudents(data));
  }, []);

  const handleSubmit = (e) => {
    e.preventDefault();
    fetch('http://localhost:8080/students', {
      method: 'POST',
      headers: { 'Content-Type': 'application/json' },
      body: JSON.stringify(form)
    }).then(() => window.location.reload());
  };

  return (
    <div style={{ padding: 20 }}>
      <h2>Student Form</h2>
      <form onSubmit={handleSubmit}>
        <input
          placeholder="Name"
          onChange={e => setForm({ ...form, name: e.target.value })}
        />
        <input
          type="number"
          placeholder="Age"
          onChange={e => setForm({ ...form, age: +e.target.value })}
        />
        <input
          placeholder="Email"
          onChange={e => setForm({ ...form, email: e.target.value })}
        />
        <button type="submit">Add</button>
      </form>

      <h3>Student List</h3>
      <ul>
        {students.map((s, i) => (
          <li key={i}>
            {s.name} ({s.age}) - {s.email}
          </li>
        ))}
      </ul>
    </div>
  );
}
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```
        ))}
      </ul>
    </div>
  );
}

export default App;
```