

TIME TABLE PROJECT
SIDHANT CHAKU

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// src/App.js
import React, { useState } from 'react';
import PropTypes from 'prop-types';
import './App.css';

function ExpenseForm({ onAddExpense }) {
  const [description, setDescription] = useState('');
  const [amount, setAmount] = useState('');

  const handleSubmit = (e) => {
    e.preventDefault();
    if (description && amount) {
      const newExpense = {
        id: Math.random().toString(),
        description,
        amount: parseFloat(amount),
      };
      onAddExpense(newExpense);
      setDescription('');
      setAmount('');
    }
  };

  return (
    <form onSubmit={handleSubmit}>
      <input
        type="text"
        placeholder="Expense description"
        value={description}
        onChange={(e) => setDescription(e.target.value)}
      />
      <input
        type="number"
        placeholder="Amount"
        value={amount}
        onChange={(e) => setAmount(e.target.value)}
      />
      <button type="submit">Add Expense</button>
    </form>
  );
}

ExpenseForm.propTypes = {
  onAddExpense: PropTypes.func.isRequired,
};

function ExpenseList({ expenses }) {
```

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    return (
      <ul>
        {expenses.map((expense) => (
          <li key={expense.id}>
            {expense.description} - ${expense.amount.toFixed(2)}
          </li>
        ))}
      </ul>
    );
  }

ExpenseList.propTypes = {
  expenses: PropTypes.arrayOf(
    PropTypes.shape({
      id: PropTypes.string.isRequired,
      description: PropTypes.string.isRequired,
      amount: PropTypes.number.isRequired,
    })
  ).isRequired,
};

function App() {
  const [expenses, setExpenses] = useState([]);

  const handleAddExpense = (newExpense) => {
    setExpenses((prevExpenses) => [...prevExpenses, newExpense]);
  };

  return (
    <div className="App">
      <h1>Expense Tracker</h1>
      <ExpenseForm onAddExpense={handleAddExpense} />
      <ExpenseList expenses={expenses} />
    </div>
  );
}

export default App;
```

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