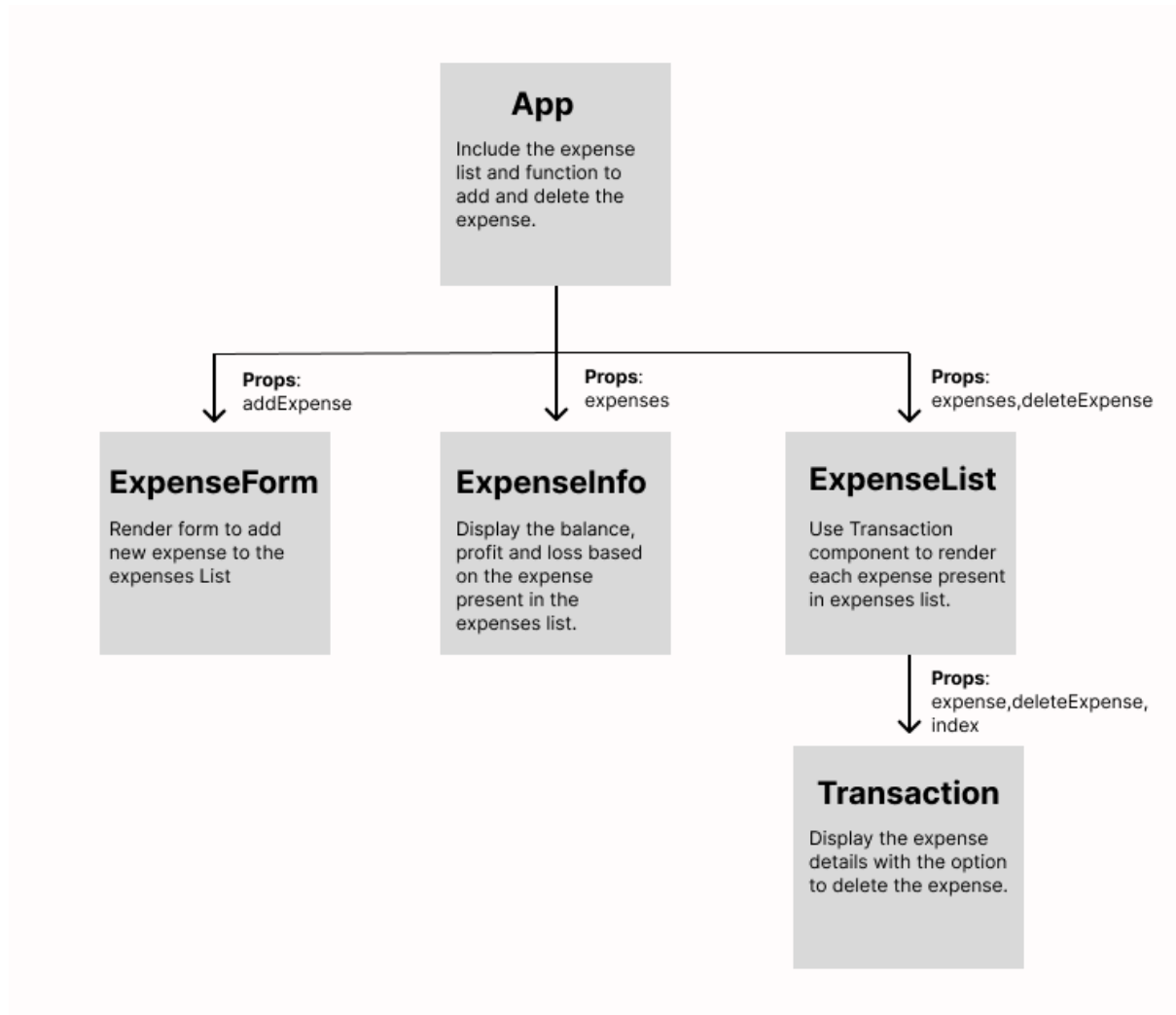# Expense Tracker

App Component:

Main Component which stores the expenses array and functions to add and delete the expense.

State:
- **expenses**: An array to store all the Expenses.

Functions:

- **addExpense:** Function to add a new expense to the expenses state by updating it with the new expense object.

- **deleteExpense**: function to delete an expense from the expenses state based on its id.

Child Component:

- **ExpenseForm:**
    - **Props**: addExpense
- **ExpenseInfo:**
    - **Props**: expenses
- **ExpenseList:**
    - **Props**: expenses, deleteExpense

ExpenseForm Component:

Renders a form with input fields for entering expense text and amount to add a new expense to the expense list.

Props:
- **addExpense**: Function passed from the App component to add a new expense.

Ref Usage:
- **expenseTextInput and expenseAmountInput**: Utilizes useRef to access and manage input field values.

Functions:
- **onSubmitHandler**: Handles the form submission event, extracts values from input fields, creates an expense object, and invokes the addExpense function got through the Props.

ExpenseInfo Component:

Calculates profitAmount, lossAmount, and grandTotal based on the amounts of individual expenses and render those values on the designated position as specified in the Component through comments.

Props:
- **expenses:** Array of expense objects through App component.

ExpenseList Component:

Lists individual transactions of the expenses array using the Transaction component.

Props:
- **expenses:** Array of expense objects.
- **deleteExpense**: Function passed from the App component to delete an expense.

Child Component:

- **Transaction:**
  - **Props**: index, key, expense, deleteExpense

Transaction Component:

Displays transaction details including its text and amount and options to edit and delete the expense on hovering over the transaction.

Props:
- **expense**: Object representing a single expense.
- **deleteExpense**: Function passed from the ExpenseList component to delete an expense.
- **index**: Index of the transaction in the list.

State:

- **currentHoverIndex:** Tracks the index of the transaction being hovered over.