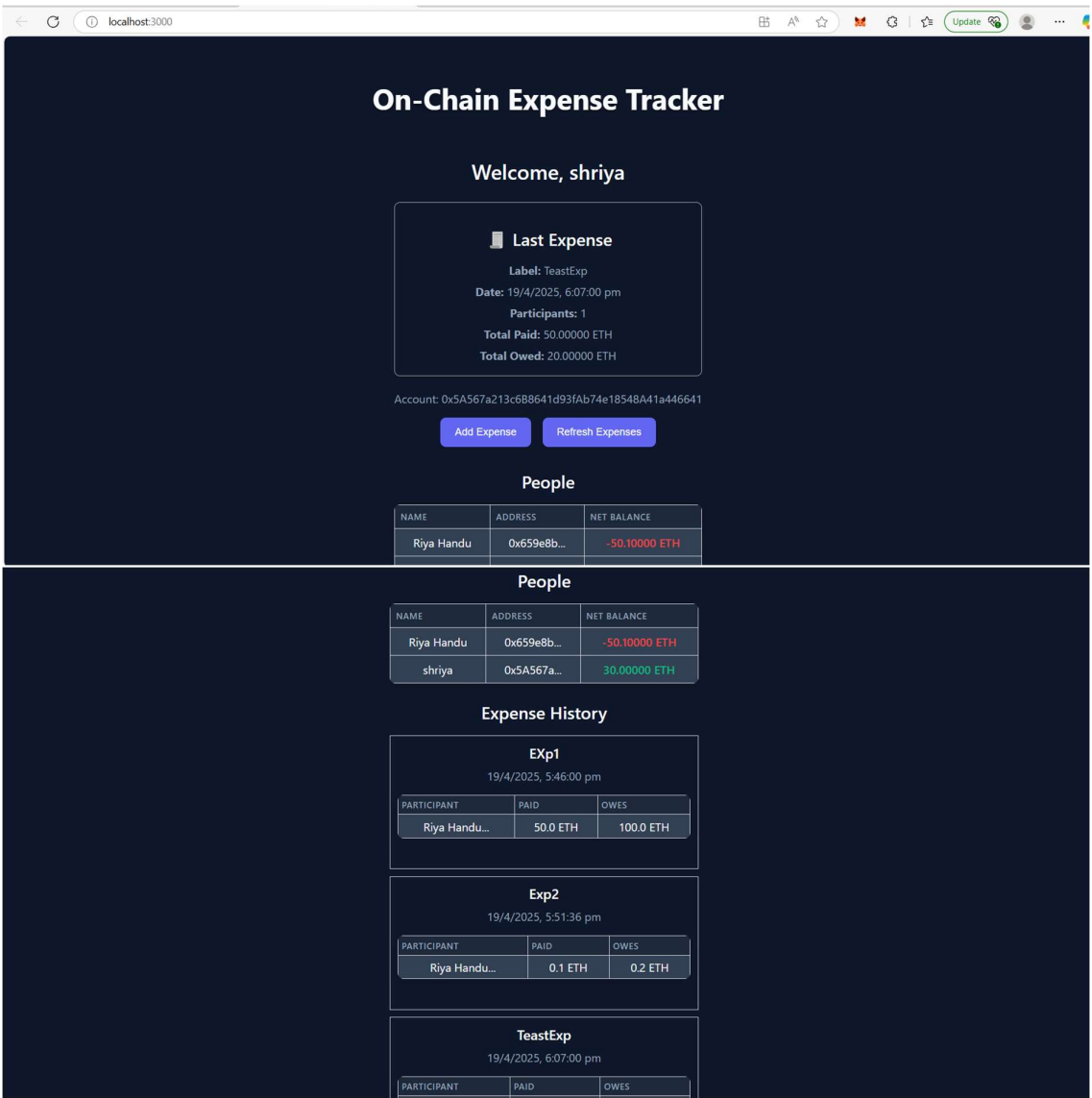


SCREEN SHOTS OF CODE SNIPPETS ADDED:

React App (after adding last expense feature)



## Added code in APP.Js file

```
/* STEP 3: MAIN APP - Show if connected and registered */
: {
  <div>
    <h2>Welcome, {name}</h2>
    /* Here is the new code added for showing the last expense after Welcome at Top of UI page */
    {lastExpense} && (
      <div style={{ border: '1px solid #aaa', borderRadius: '8px', padding: '10px', marginBottom: '20px', backgroundColor: 'transparent', color: '#000000 !important' }}>
        <h3>Last Expense</h3>
        <p><strong>Label:</strong> {lastExpense.label}</p>
        <p><strong>Date:</strong> {lastExpense.timestamp}</p>
        <p><strong>Participants:</strong> {calculateTotals(lastExpense).participantsCount}</p>
        <p><strong>Total Paid:</strong> {calculateTotals(lastExpense).totalPaid} ETH</p>
        <p><strong>Total Owed:</strong> {calculateTotals(lastExpense).totalOwed} ETH</p>
      </div>
    )
  }
}

//Code added to calculate the details of last expense(using list of all expenses)
const lastExpense = expenses.length > 0 ? expenses[expenses.length - 1] : null;
const calculateTotals = (expense) => {
  let totalPaid = 0;
  let totalOwed = 0;

  expense.participants.forEach(p => {
    totalPaid += parseFloat(p.amountPaid);
    totalOwed += parseFloat(p.amountOwed);
  });

  return {
    totalPaid: totalPaid.toFixed(5),
    totalOwed: totalOwed.toFixed(5),
    participantsCount: expense.participants.length,
  };
};
```

## Added code in solidity (screenshot from vs code)

```
201     return expenses[_expenseId].amountPaid[_participant];
202   }
203
204   /**
205    * @dev Get the label of the most recent expense
206    * @return label The description of the most recent expense
207    */
208   function getLastExpenseLabel() public view returns (string memory) {
209     require(expenseCount > 0, "No expenses found");
210
211     uint256 lastExpenseId = expenseCount - 1; // The last expense is at index expenseCount - 1
212     return expenses[lastExpenseId].label; // Fetch the label of the last expense
213   }
214
```