

Component C. Personalized Project Reference.

Procedure:

i.

```
function displayExpenses(income) {
  var total = 0;
  var displayText = "";
  for (var i = 0; i < expenses.length; i++) {
    displayText += (" " + expenses[i].category) + ": $" + expenses[i].amount + "\n";
    total += expenses[i].amount;
  }
  setText("expensesText", displayText);
  setText("totalText", "Total Expenses: $" + total);
  displaySummary(total, income);
}
```

ii.

```
function addExpense() {
  var category = getText("categoryInput");
  var amount = Number(getText("amountInput"));
  var income = Number(getText("incomeInput"));
  if (category === "" || isNaN(amount) || amount <= 0) {
    setText("summaryText", "Please enter a valid category and amount.");
    return;
  }
  var expense = { category: category, amount: amount };
  expenses.push(expense);
  setText("categoryInput", "");
  setText("amountInput", "");
  displayExpenses(income);
}
```

List:

i.

```
function addExpense() {
  var category = getText("categoryInput");
  var amount = Number(getText("amountInput"));
  var income = Number(getText("incomeInput"));
  if (category === "" || isNaN(amount) || amount <= 0) {
    setText("summaryText", "Please enter a valid category and amount.");
    return;
  }
  var expense = { category: category, amount: amount };
  expenses.push(expense);
  setText("categoryInput", "");
  setText("amountInput", "");
  displayExpenses(income);
}
```

ii.

```
function displayExpenses(income) {
  var total = 0;
  var displayText = "";
  for (var i = 0; i < expenses.length; i++) {
    displayText += (" " + expenses[i].category) + ": $" + expenses[i].amount + "\n";
    total += expenses[i].amount;
  }
  setText("expensesText", displayText);
  setText("totalText", "Total Expenses: $" + total);
  displaySummary(total, income);
}
```