**Technical Design Document**

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**Program Description:**

**Functions used in the Program (list in order as they are called):**

1. **Function Name:** get\_expenses()

**Description:** user enters their expenses they have done so this code details the type of expense and the price entered.

**Parameters:** none

**Variables:** expenses\_type (stores the expenses in its form)

**Logical Steps:**

1. Asks user to enter expense type or “done” to finish the program
2. If “done” the program ends and details the result, if not then it will ask for the user to input the price of their expense
3. Expense is stored in a list and displayed once user enters “done” when asked again in the return

**Returns:** Returns its list for displaying at the end (expenses and price for listing)

2. **Function Name:** main()

**Description:** controls the main flow of the program by collecting the expenses and calculating the total, highest, and total prices.

**Parameters:** none

**Variables:**

Get\_expenses() (list from user input)

Total (total price from user input)

Highest (highest price from user input)

Lowest (lowest price from user input)

**Logical Steps:**

1. Uses the get\_expenses() to gather the user input
2. If “done” then the program ends with results
3. Calculates the total price from user input by using reduce
4. Finds highest and lowest expense taking the price va;ies
5. Prints results at the end detailing expenses and prices

**Returns:** none

**Logical Steps:**

1. Code asks user to input the name of their expense (or “done” to finish)
2. User inputs name of expense and now they input the price of the expense
3. Price is taken and stored for later
4. Code goes back to asking for expense input to do the same thing
5. Once done, the code takes the prices of the expenses and prints out a summary, detailing the total expense, highest expense, and lowest expense.

**Link to your repository:** <https://github.com/EdgarJCebo/Programming-Concepts-2/blob/main/Edgar%20Cebollero_Programming%20Exercise_%233.py>

**Output Screenshot: (make sure big enough so I can see)**

**A screenshot of a computer program

AI-generated content may be incorrect.**