**Algorithm for the program:**

1. Start the program.

2. Display a welcome message and display all the available options.

3. Take input for the user's choice and read it.

4. Check the user's choice and perform the corresponding action:

a. If the choice is 1:

i. Display all the saved expenses.

ii. Go back to step 2.

b. If the choice is 2:

i. Prompt the user to enter the value to add as an expense.

ii. Read the expense value from the input.

iii. Add the expense value to the list of expenses.

iv. Display a message confirming the update.

v. Go back to step 2.

c. If the choice is 3:

i. Prompt the user to confirm the deletion of all expenses.

ii. Read the confirmation choice from the input.

iii. If the confirmation choice is the same as the current option:

- Clear all the expenses from the list.

- Display a message confirming the deletion.

iv. Otherwise, display an error message.

v. Go back to step 2.

d. If the choice is 4:

i. Sort the list of expenses in ascending order.

ii. Display the sorted expenses.

iii. Go back to step 2.

e. If the choice is 5:

i. Prompt the user to enter the expense to search for.

ii. Read the expense to search from the input.

iii. Iterate over the list of expenses:

- If the current expense matches the search expense, display its index position.

- If the expense is not found, display a message indicating the same.

iv. Go back to step 2.

f. If the choice is 6:

i. Close the application by displaying a closing message.

5. End the program.