

WriteUp

Introduction:

The Expense Management System, named "TheDesk," is a simple Java application designed to help users manage their expenses efficiently. The system provides various functionalities such as reviewing, adding, deleting, sorting, and searching expenses.

Features:

Review Expenses: Users can view their saved expenses.

Add Expense: Users can add a new expense to their list.

Delete Expenses: Users can delete all their expenses.

Sort Expenses: Users can sort their expenses in ascending order.

Search Expenses: Users can search for a specific expense.

Implementation Details:

The main class of the application is Main, which contains the entry point and the core functionalities.

It utilizes an ArrayList to store the expenses, allowing dynamic addition and removal of elements.

The optionsSelection() method displays a menu of options to the user and handles their selections.

Each option corresponds to a specific action, such as reviewing expenses, adding a new expense, etc.

The application utilizes switch-case statements to execute the selected action.

Functionalities like adding, deleting, and searching for expenses involve user input via the Scanner class.

Sorting expenses is achieved using the Collections.sort() method.

How to Use:

Run the Application: Execute the Main class to start the application.

Select an Option: Choose from the menu of options presented.

Perform Actions: Follow the prompts to review, add, delete, sort, or search for expenses.

Exit the Application: Select the option to close the application when done.

Github URL: <https://github.com/VamsiReddy4005/Java-fsd>