



MANIPAL INSTITUTE OF TECHNOLOGY MANIPAL

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Expense Tracker App

USING JAVA FX

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Contributions

JavaFX, Inline CSS, Update & isValidDate Method, Exception handling – Abhigyan Singh

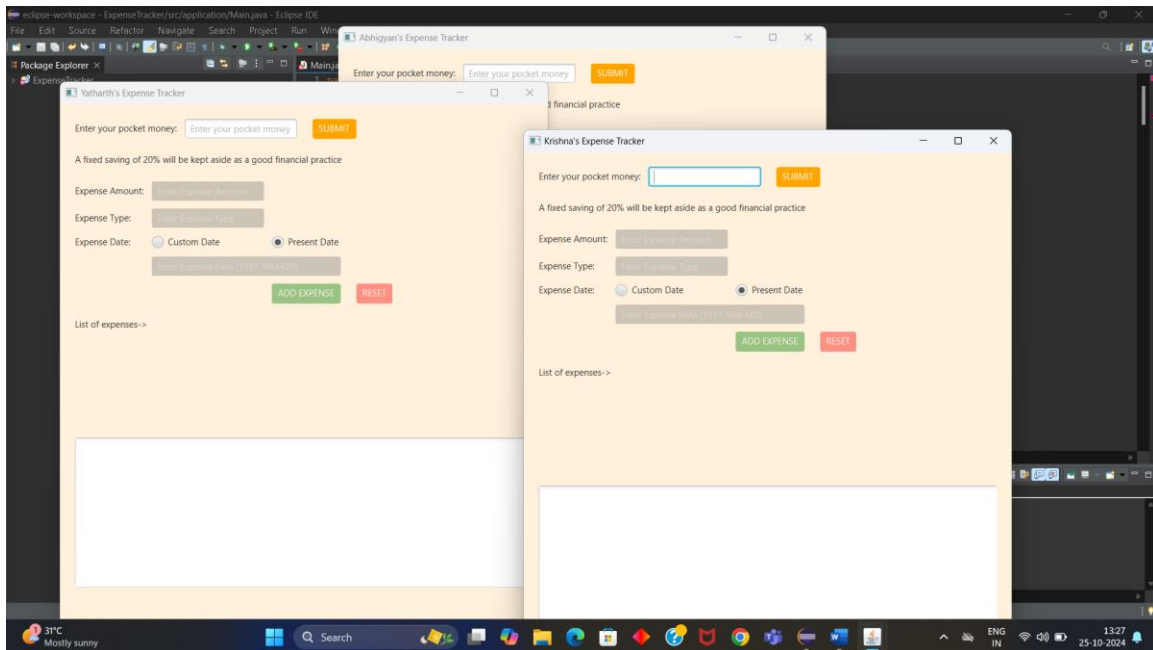
Defining Expense Manager Interface, color coding of balance – Yatharth Gupta

Using Threads by defining user class, process Method – Krishna Tripathi

FEATURES USED

- JavaFX
- Event Handling
- Inline CSS
- Interface
- Multi-Threading

Sample Outputs:-



Multi-Threading concept used to make the program work for all 3 users at once.

Abhigyan's Expense Tracker

Enter your pocket money:

a

SUBMIT

A fixed saving of 20% will be kept aside as a good financial practice

Expense Amount:

Enter Expense Amount

Expense Type:

Enter Expense Type

Expense Date:

☐ Custom Date

☒ Present Date

Enter Expense Date (YYYY-MM-DD)

ADD EXPENSE

RESET

List of expenses->

Please enter a valid number for pocket money.

Due to Exception handling a warning label initially set as empty is updated to print an error.

Abhigyan's Expense Tracker

Enter your pocket money:

3000

SUBMIT

A fixed saving of 20% (600.00) has been kept aside as a good financial practice

Expense Amount:

Expense Type:

Enter Expense Type

Expense Date:

☐ Custom Date

☒ Present Date

Enter Expense Date (YYYY-MM-DD)

ADD EXPENSE

RESET

List of expenses->

Balance: 2400.00

Savings: 600.00

Debt: 0.00

Please enter a valid number for pocket money.

A sample input of 3000 as pocket money is taken, the balance is updated to 2400 and 20% of it is put as savings as per the 50/30/20 rule of saving.

The screenshot shows a web browser window titled "Abhigyan's Expense Tracker". The interface has a light orange background. At the top, there is a form to enter pocket money, with a text input containing "3000" and a yellow "SUBMIT" button. Below this, a message states: "A fixed saving of 20% (600.00) has been kept aside as a good financial practice". The main form for adding an expense includes fields for "Expense Amount" (with placeholder "Enter Expense Amount"), "Expense Type" (with placeholder "Enter Expense Type"), and "Expense Date" (with radio buttons for "Custom Date" and "Present Date", and a date input field with placeholder "Enter Expense Date (YYYY-MM-DD)"). There are green "ADD EXPENSE" and red "RESET" buttons. Below the form, the text "List of expenses->" is followed by a summary: "Balance: 2100.00", "Savings: 600.00", and "Debt: 0.00". A message "Please enter a valid number for pocket money." is displayed. At the bottom, a large white box contains a list of expenses, with the first entry being "2024-10-20|Food|300.00".

Abhigyan's Expense Tracker

Enter your pocket money: 3000 SUBMIT

A fixed saving of 20% (600.00) has been kept aside as a good financial practice

Expense Amount: Enter Expense Amount

Expense Type: Enter Expense Type

Expense Date: ☒ Custom Date ☐ Present Date

Enter Expense Date (YYYY-MM-DD)

ADD EXPENSE RESET

List of expenses->

Balance: 2100.00

Savings: 600.00

Debt: 0.00

Please enter a valid number for pocket money.

2024-10-20|Food|300.00

Custom Date has been entered along with expense and type. The expenses are printed along with type at the bottom

Abhigyan's Expense Tracker

Enter your pocket money:

3000

SUBMIT

A fixed saving of 20% (600.00) has been kept aside as a good financial practice

Expense Amount:

Enter Expense Amount

Expense Type:

Enter Expense Type

Expense Date:

☐ Custom Date

☒ Present Date

Enter Expense Date (YYYY-MM-DD)

ADD EXPENSE

RESET

List of expenses->

Balance: 1800.00

Savings: 600.00

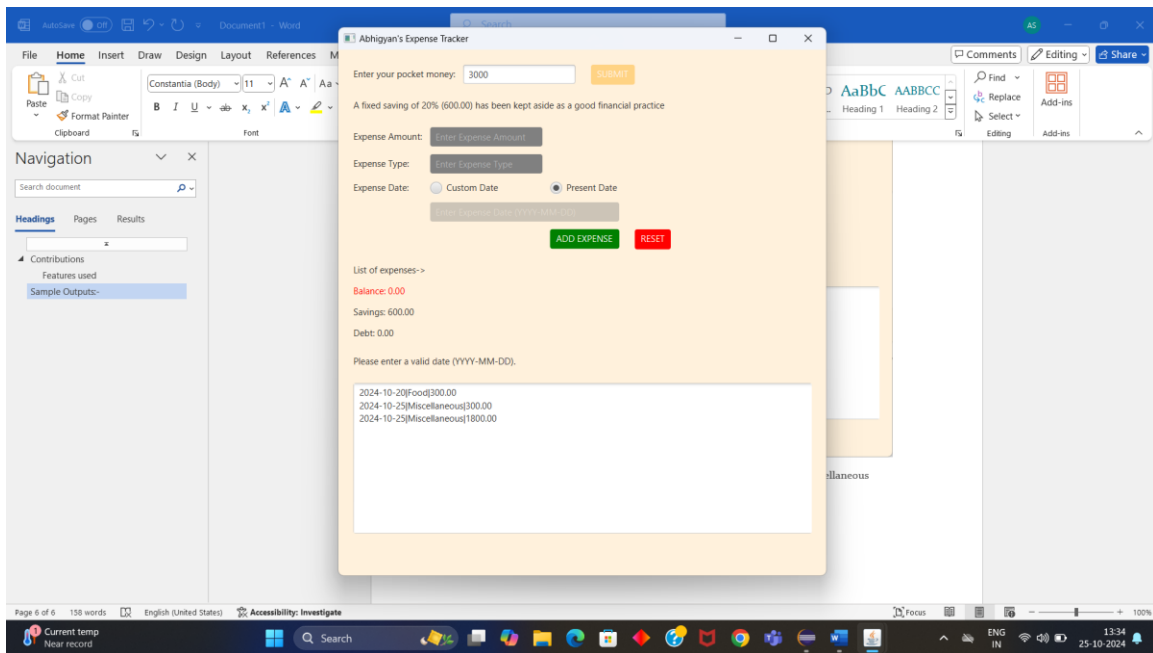
Debt: 0.00

Please enter a valid date (YYYY-MM-DD).

2024-10-20|Food|300.00

2024-10-25|Miscellaneous|300.00

The program takes in present date too and the expense type is taken as Miscellaneous when we don't enter it



The Color coding concepts are used to indicate balance.

Abhigyan's Expense Tracker

Enter your pocket money:

3000

SUBMIT

A fixed saving of 20% (600.00) has been kept aside as a good financial practice

Expense Amount:

Enter Expense Amount

Expense Type:

Enter Expense Type

Expense Date:

☐ Custom Date

☒ Present Date

Enter Expense Date (YYYY-MM-DD)

ADD EXPENSE

RESET

List of expenses->

Balance: 0.00

Savings: 0.00

Debt: 0.00

Please enter a valid date (YYYY-MM-DD).

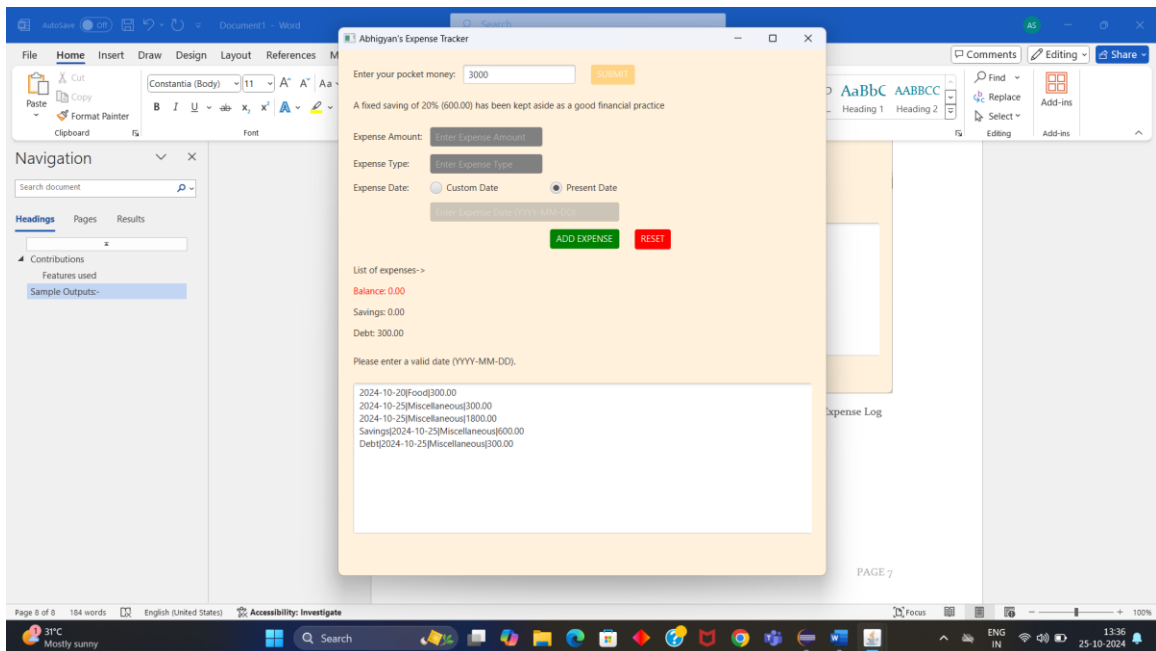
2024-10-20|Food|300.00

2024-10-25|Miscellaneous|300.00

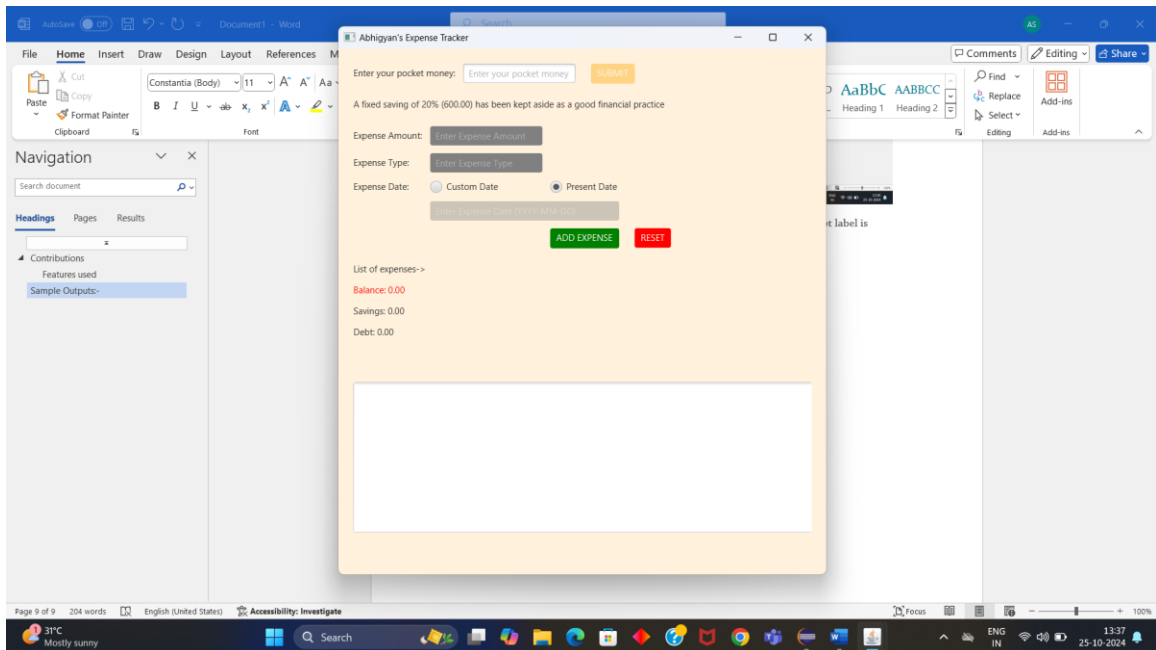
2024-10-25|Miscellaneous|1800.00

Savings|2024-10-25|Miscellaneous|600.00

Once, Balance is exhausted savings are used, and is indicated as such in the Expense Log list.



Any amount after exhausting the savings too is Indicated as debt and the debt label is updated to show such



Pressing the reset button clears all logs and entries.