# MANIPAL INSTITUTE OF TECHNOLOGY

## MANIPAL

*A Constituent Institution of Manipal University*

# Expense Tracker App

USING JAVA FX

By Abhigyan Singh, Krishna Tripathi, Yatharth Gupta

# Contributions

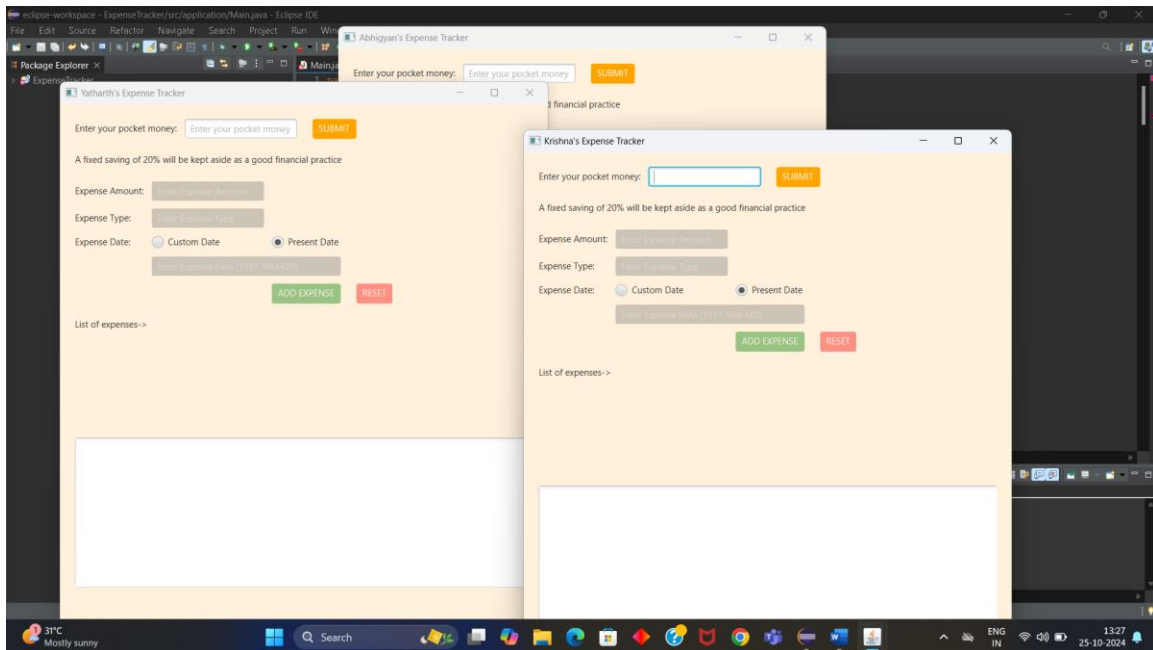JavaFX, Inline CSS, Update & isValidDate Method, Exception handling – Abhigyan Singh

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.

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.

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->
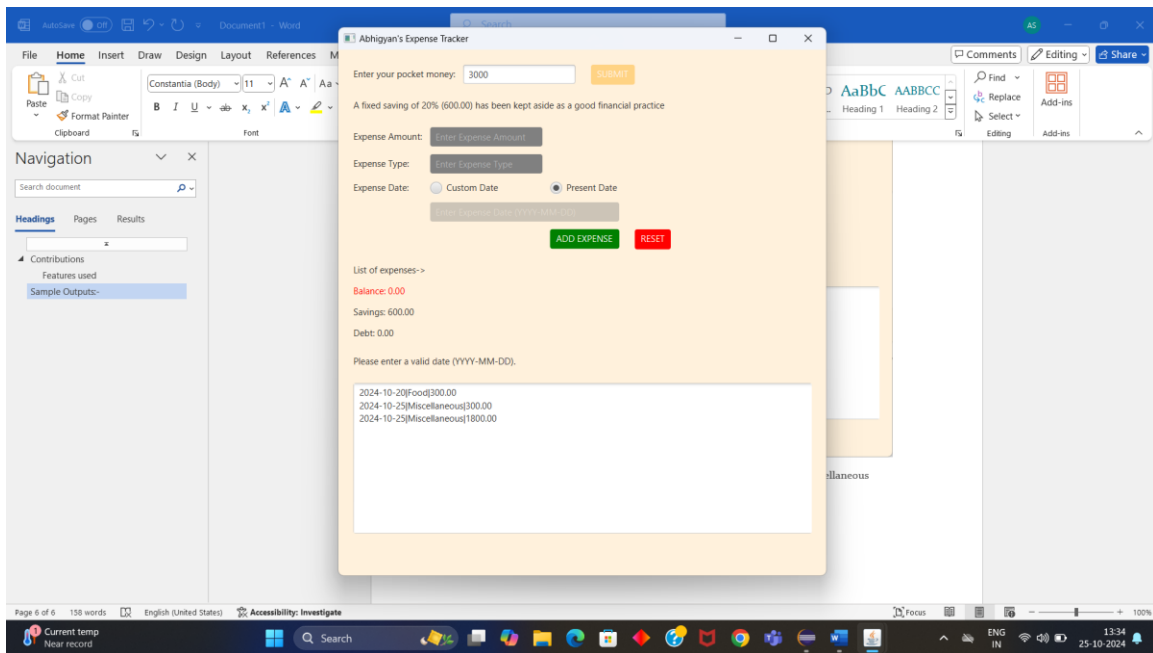
Balance: 2100.00

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

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.

Once, Balance is exhausted savings are used, and is indicated as such in the Expense Log list.
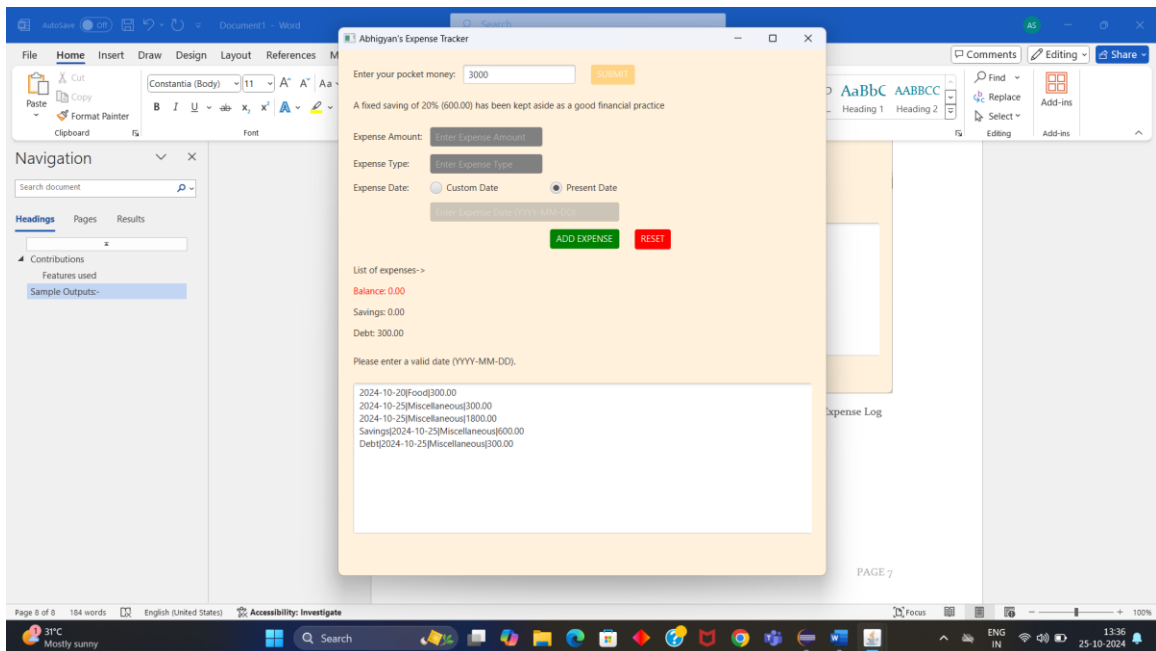
Any amount after exhausting the savings too is Indicated as debt and the debt label is updated to show such
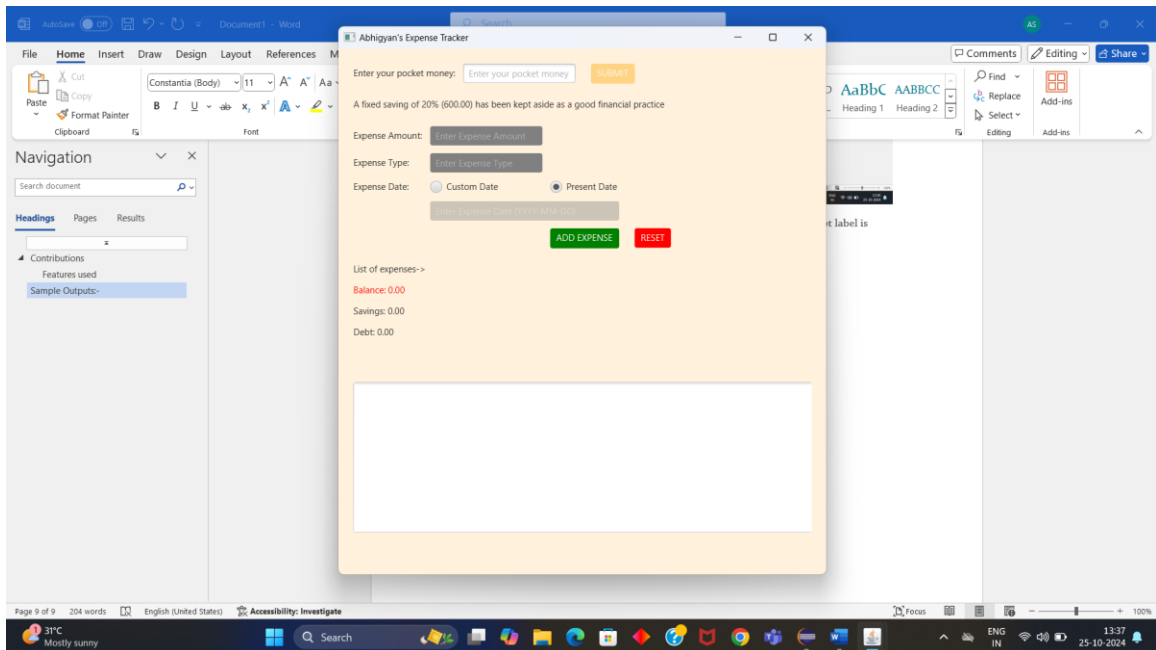


Pressing the reset button clears all logs and entries.