**Assignment**

**Module 8 Final Project Submission**

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SDEV 200: Software Development with Java

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The application I developed for the final project in the SDEV 200 Software Development with Java class is a Budget Tracking Application. It allows users to record their income and expense transactions and view monthly and yearly balances. It is a desktop application built using JavaFX.

**Budget Tracking Application User Guide**

This guide explains how to use the **Budget Tracking Application**, developed by me. The application helps you record, edit, delete income and expense transactions, and calculate monthly/yearly balances.

**1. Starting the Application**

When you run the application, the main screen will look like this:

* **Add Transaction**: To add a new transaction.
* **Edit**: To edit an existing transaction.
* **Delete**: To delete an existing transaction.
* **Monthly Balance**: To calculate the balance for a specific month.
* **Yearly Balance**: To calculate the balance for a specific year.

The main screen also displays a table with the following columns: **Category**, **Income/Expense Type**, **Amount**, **Date**, and **Note**.

ekran görüntüsü, metin, yazılım, bilgisayar simgesi içeren bir resim

Açıklama otomatik olarak oluşturuldu

**2. Adding a Transaction**

To add a new transaction, follow these steps:

* Click the **Add Transaction** button.
* A new window will appear with the following fields:
  + **Amount**: Enter the transaction amount.
  + **Date**: Select the transaction date.
  + **Income/Expense**: Choose whether it's an income or expense.
  + **Income/Expense Type**: Select the type of income/expense from the dropdown menu.
  + **Note**: Optionally, add a note related to the transaction.
* Click the **Save** button.

The new transaction will be added to the table.

metin, ekran görüntüsü, sayı, numara, yazı tipi içeren bir resim

Açıklama otomatik olarak oluşturuldu metin, ekran görüntüsü, yazı tipi, sayı, numara içeren bir resim

Açıklama otomatik olarak oluşturuldu

metin, ekran görüntüsü, sayı, numara, yazılım içeren bir resim

Açıklama otomatik olarak oluşturuldu

**3. Editing a Transaction**

To edit an existing transaction:

* Select the transaction you want to edit from the table.
* Click the **Edit** button.
* Update the relevant information and click **Save**.

The edited transaction will appear updated in the table.

metin, ekran görüntüsü, ekran, görüntüleme, yazı tipi içeren bir resim

Açıklama otomatik olarak oluşturuldu

**4. Deleting a Transaction**

To delete a transaction:

* Select the transaction you want to delete from the table.
* Click the **Delete** button.

The transaction will be removed from the table.

metin, yazı tipi, sayı, numara, yazılım içeren bir resim

Açıklama otomatik olarak oluşturuldu

metin, ekran görüntüsü, yazı tipi, yazılım içeren bir resim

Açıklama otomatik olarak oluşturuldu

**5. Calculating Monthly Balance**

To view your income and expense balance for a specific month:

* Click the **Monthly Balance** button.
* In the window that appears, select the desired **year** and **month**.
* Click the **OK** button.

The application will display the total income, expense, and net balance for the selected month in a notification window.

metin, ekran görüntüsü, yazılım, bilgisayar simgesi içeren bir resim

Açıklama otomatik olarak oluşturuldu

metin, ekran görüntüsü, yazı tipi içeren bir resim

Açıklama otomatik olarak oluşturuldu

**6. Calculating Yearly Balance**

To view your income and expense balance for a specific year:

* Click the **Yearly Balance** button.
* In the window that appears, select the desired **year**.
* Click the **OK** button.

The application will display the total income, expense, and net balance for the selected year in a notification window.

metin, ekran görüntüsü, yazılım, sayı, numara içeren bir resim

Açıklama otomatik olarak oluşturuldu

metin, ekran görüntüsü, yazı tipi içeren bir resim

Açıklama otomatik olarak oluşturuldu

**7. Additional Information**

* **Notes**: You can add notes to transactions. These can be personal descriptions or reminders related to the transaction.
* **Income and Expense Types**: The application offers different categories for income and expenses to help you organize your transactions more effectively.