**Budget Buddy User Manual**

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## **Overview**

Budget Buddy is a simple budgeting application designed to help users track their income and expenses. Users can categorize their transactions, view their financial summary, and monitor their transaction history.

## **Installation**

1. **Prerequisites**: Ensure you have Python installed on your system (version 3.6 or higher).
2. **Download the Code**: Clone or download the repository containing the budgetbuddy.py file.
3. **Run the Application**: Navigate to the directory containing budgetbuddy.py in your terminal or command prompt and run:
   * “*C:\Users\YOU\...>***python budgetbuddy.py**”
4. **Alternate Run Method:** Download an integrated development environment (IDE) that is compatible with Python (version 3.6 or higher) such as IDLE or Visual Studio Code. Open the budgetbuddy.py file with your chosen IDE and run.

## **Usage Instructions**

### User Interface Overview

When you launch the application, you will see the following components:

* **Transaction Type Radio Buttons**: Options to select between "Income" and "Expense."
* **Category Dropdown**: A dropdown menu to select the transaction category (populated based on the selected transaction type).
* **Amount Entry Field**: A field to input the transaction amount.
* **Submit Button**: A button to submit the transaction.
* **Summary Label**: Displays the most recent transaction summary.
* **Total Finances Label**: Shows the current total finances, changing color based on the value.
* **View Transaction History Button**: Opens a new window displaying all recorded transactions.

### Adding Transactions

1. **Select Transaction Type**: Choose "Income" or "Expense" by clicking the corresponding radio button. (Income is chosen on startup)
2. **Select Category**: Use the dropdown to select a relevant category.
3. **Enter Amount**: Input the transaction amount in the entry field.
4. **Submit Transaction**: Click the "Submit" button to record the transaction.
   * The application will display a summary of the transaction and update the total finances accordingly.
   * If any fields are left empty, an error message will prompt you to fill in the required information.

### Viewing Transaction History

1. Click the "View Transaction History" button.
2. A new window will open, displaying a list of all recorded transactions, including the type, category, and amount.
3. Each transaction will be color-coded based on its category.

## **Troubleshooting**

* **Error Loading Images**: If images (like the logo or icons) fail to load, ensure the image files are located in the same directory as the budgetbuddy.py file. If the files are missing, the application will display alternate text.
* **Input Validation**: Ensure that numeric amounts are entered correctly. If a non-numeric value is submitted, an error message will appear.

## **Conclusion**

The Budget Buddy application is a user-friendly tool for managing your finances. By following this manual, users can efficiently navigate the app and make the most of its features.