

Expense Tracker User Manual

Overview

The Expense Tracker program is a desktop application designed to help you manage your personal finances by tracking expenses and savings. It provides an intuitive interface to add entries, view financial summaries, and analyze your data.

Features

1. **Set Starting Balance**
 2. **Add Expenses**
 3. **Add Savings**
 4. **Query Entries**
 5. **Toggle Dark Mode**
 6. **Exit the Application**
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Getting Started

Launching the Application

1. Run the program.
 2. A dialog box will prompt you to enter your starting balance. Enter a valid numerical value, e.g., **500.00**.
 - If you enter an invalid value, the program will prompt you again.
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Using Features

1. Add Expense

- Click **"Add Expense"** on the main menu.
- Enter the following details in the prompts:
 - **Amount:** Enter the expense amount (e.g., **50.00**).

- **Category:** Enter a category for the expense (e.g., *Food*, *Transportation*).
 - **Date:** Provide the date in *MM-DD-YYYY* format.
 - If you enter an invalid date, the program will notify you to correct it.
- Once submitted:
 - The total balance decreases by the expense amount.
 - Expense details are added to the records.

2. Add Savings

- Click **"Add Savings"** on the main menu.
 - Enter the following details in the prompts:
 - **Amount:** Enter the savings amount (e.g., *100.00*).
 - **Category:** Enter a category for the savings (e.g., *Salary*, *Bonus*).
 - **Date:** Provide the date in *MM-DD-YYYY* format.
 - If you enter an invalid date, the program will notify you to correct it.
 - Once submitted:
 - The total balance increases by the savings amount.
 - Savings details are added to the records.
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3. Query Entries

- Click **"Query"** to view a table displaying all expense and savings entries.
 - Columns:
 - **Type:** Indicates whether it's an *Expense* or *Saving*.
 - **Amount:** The monetary value of the entry.
 - **Category:** The category you provided.
 - **Date:** The date of the transaction.
 - Entries are color-coded:
 - *Expenses* are red.
 - *Savings* are green.

Search Functionality

1. Use the search bar at the top of the query table.
 - Enter keywords (e.g., "Food" or "01-2023") to filter matching entries.
 2. Results update dynamically as you type.
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4. Toggle Dark Mode

- Click **"Toggle Dark Mode"** to switch between light and dark themes.

- Dark mode uses a dark background and light text for better visibility in low-light environments.
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5. Exit

- Click "**Exit**" to close the application.
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Understanding Financial Summaries

1. **Total Balance**
 - Shows the overall balance after accounting for expenses and savings.
 2. **Expense Summary**
 - Displays the total amount spent and the number of expense entries.
 3. **Savings Summary**
 - Displays the total amount saved and the number of savings entries.
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Tips

- **Correcting Errors:** If an entry is incorrect, use the **Query** feature to review details. While editing or deleting entries is not supported in this version, you can adjust future entries to account for errors.
 - **Regular Updates:** Add entries promptly to maintain an accurate financial overview.
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Known Limitations

1. **Fixed Currency:** The program uses U.S. dollars (USD). Future versions may include multi-currency support.
 2. **Entry Editing:** Existing entries cannot be modified or deleted once added.
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Technical Support

For questions or issues, contact the developer or refer to the program's source code for troubleshooting.

