**User Manual for Eco Budget Tracker**

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**1. Introduction**

Welcome to the Eco Budget Tracker! This application helps you monitor your expenses while encouraging sustainable spending habits. With features like categorized expenses and eco-conscious summaries, you can better understand your impact on the environment and work toward greener goals.

**2. System Requirements**

* Operating System: Windows, macOS, or Linux
* Python 3.10 or higher
* Required Libraries: tkinter, matplotlib

**3. Installation Instructions**

1. Download the source code from the GitHub repository: [Eco Budget Tracker GitHub Repository](https://github.com/makaelynturner/EcoBudgetTracker).
2. Extract the ZIP file to a folder of your choice.
3. Ensure Python and required libraries are installed on your system.
   * To install libraries, run the following commands in your terminal:

pip install matplotlib

1. Open the folder containing the extracted files.

**4. Launching the Application**

1. Open a terminal or command prompt.
2. Navigate to the folder containing the source code using the cd command.

cd path\_to\_folder

1. Run the application using the following command:

python TurnerMakaelynFinalProject.py

**5. Navigating the Application**

**Main Dashboard**

* **Buttons**:
  + *Add Expense*: Opens the "Add Expense" window to log a new expense.
  + *Eco Summary*: Opens the "Eco Summary" window to view spending insights.
  + *Exit*: Closes the application.

**Add Expense**

* Fields:
  + *Expense Name*: Enter the name of the expense (e.g., "Groceries").
  + *Amount*: Enter the expense amount (numeric values only).
  + *Category*: Choose from "Sustainable," "Local," or "Eco-Friendly."
  + *Date*: Enter the expense date in the format YYYY-MM-DD.
* Buttons:
  + *Save Expense*: Saves the expense details after validating inputs.
  + *Back to Dashboard*: Returns to the Main Dashboard.

**Eco Summary**

* Displays:
  + A breakdown of expenses categorized as sustainable vs. conventional.
  + A chart (bar or pie) visualizing eco-conscious spending.
* Buttons:
  + *Get Eco Tips*: Opens a pop-up with tips for sustainable spending.
  + *Back to Dashboard*: Returns to the Main Dashboard.

**6. Features and Usage**

**Logging an Expense**

1. From the Main Dashboard, click *Add Expense*.
2. Fill in all required fields (Name, Amount, Category, Date).
3. Click *Save Expense*. If validation is successful, the expense will be saved.

**Viewing Spending Summary**

1. From the Main Dashboard, click *Eco Summary*.
2. Review your spending breakdown and visualization chart.

**Accessing Eco Tips**

1. From the Eco Summary window, click *Get Eco Tips*.
2. Read the displayed tips for sustainable spending and budgeting.

**7. Troubleshooting**

|  |  |
| --- | --- |
| **Issue** | **Solution** |
| Application doesn’t start | Ensure Python is installed and configured. |
| Fields show validation errors | Ensure all fields are filled and data is correct. |
| Charts do not display correctly | Verify matplotlib is installed and updated. |

If issues persist, contact support (see below).

**8. Contact Information**

For technical support or feedback, please contact:

* Email: support@ecobudgettracker.com
* GitHub Issues: [Eco Budget Tracker GitHub](https://github.com/makaelynturner/EcoBudgetTracker/issues)

Thank you for choosing Eco Budget Tracker! We hope this tool helps you make more sustainable spending choices.