

PROJECT TITLE : EXPENSE TRACKER

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AIM OF THE PROJECT :

❖ Personal Finance Management

❖ Budgeting

❖ Expense Reporting

BUSINESS PROBLEM OR PROBLEM STATEMENT:

❖ Manual Tracking Challenges:

- Accuracy**
- Time Consumption**

❖ Budgeting and Financial Planning:

- Inadequate Tools**
- Financial Health**

PROJECT DESCRIPTION :

- ❖ Expense Management**
- ❖ Category Management**
- ❖ User Interaction**
- ❖ Data Storage and Management**
- ❖ Enhanced Financial Control**
- ❖ Future Enhancements**

FUNCTIONALITIES :

- 1. Expense Management**
- 2. Category Management**
- 3. Reporting and Summarization**
- 4. User Interaction**

The background of the slide features abstract, overlapping geometric shapes in various shades of pink and purple, creating a modern, layered effect on the right side.

5. Data Management

6. Security and Validation

7. Extensibility

INPUT VERSATILITY WITH ERROR HANDLING AND EXCEPTION HANDLING :

- ❖ **Accepting Various Data Formats**
- ❖ **User Input Validation:**
- ❖ **Handling Invalid Operations**
- ❖ **Specific Exception Handling**
- ❖ **Validation During Input**

CODE IMPLEMENTATION :

- ❖ **The Transaction class, an abstract base class, is initialized with three attributes: date, description, and amount.**
- ❖ **And the other class "Expense" that inherits from the "Transaction" class, and includes a special method called "str".**
- ❖ **Other class called "BasicCategory" that inherits from the "Category" class, and includes a method called "add_transaction" that allows you to add a transaction (such as an expense or income) to the category.**
- ❖ **"ExpenseTracker" tool that can help you manage and monitor your expenses, with an initializer method (`__init__`)**

RESULTS AND OUTCOMES :

- ❖ **Improved Expense Tracking**
- ❖ **Enhanced User Experience**
- ❖ **Detailed Reporting and Analysis**
- ❖ **Scalability and Extensibility**
- ❖ **Benefits Realized**
 - **Financial Insight**
- ❖ **Future Enhancements**
 - **Advanced Reporting**

CONCLUSION :

The Expense Tracker System successfully addresses common challenges in expense management by offering a structured, user-friendly approach To tracking and analyzing financial data.

THANK YOU