Project Id: UY6758GH

Task: Develop a Personal Finance Management Application

Objective:

Create a command-line application that helps users manage their personal finances by tracking income, expenses, and generating financial reports.

Features:

1. User Registration and Authentication (Days 1-5):

- Implement user registration with unique usernames and passwords.
- Add login functionality to authenticate users.

2. Income and Expense Tracking (Days 6-10):

- Allow users to add, update, and delete income and expense entries.
- Categorize transactions (e.g., Food, Rent, Salary, etc.).

3. Financial Reports (Days 11-15):

- Generate monthly and yearly financial reports.
- Calculate total income, expenses, and savings.

4. Budgeting (Days 16-20):

- Enable users to set monthly budgets for different categories.
- Notify users when they exceed their budget limits.

5. Data Persistence (Days 21-23):

- Store user data and transactions in a SQLite or any other database as per your preference.
- Implement functions to back up and restore data.

6. Testing and Documentation (Days 24-25):

- Write unit tests for key functionalities.
- Create a user manual with installation and usage instructions.

Guidelines:

- Use Python and appropriate libraries such as SQLite3 for database management.
- Focus on clean, maintainable, and well-documented code.
- Ensure the application handles errors gracefully and has a user-friendly interface.

Note: The timeline is adjusted to complete the project within 25 days.

Feel free to let me know if you need further clarification or assistance with any aspect of the

project! <u>internship.innobyteservices@gmail.com</u>

Task Submission Link: https://forms.gle/KBqjYVUqG8zXX9zy8