**Name:** Zain Ul Abideen  
**Registration Number:** B24F0357CS083

**Project Title:**  
**Budget Tracking Application**

**My Project Idea:**  
My project is a simple Budget Tracking Application made using C++. The main idea is to help users keep track of their income and expenses. It allows users to sign up, log in, and save their data securely using password protection. Every user has their own file, so no one else can access their information.

The app lets users add income or expenses, shows the remaining balance, and displays transaction history. I am using basic C++ concepts like classes, file handling, functions, strings, and pointers. I’m also using OOP concepts like inheritance, polymorphism, composition, and operator overloading to keep the code organized and efficient.

**Why Only This?**

This program is useful for anyone who wants to manage their money and keep their data safe, even on public computers. This app is useful for anyone who wants to manage their money and keep their data safe, even on public computers If this project successfully is built now then in future I will be developing this with proper UI having this as foundational core program .

**Features:**

1. Secure login system
2. Add income and expense
3. Show current balance
4. Show transaction history
5. Separate file for each user

**Conclusion:**  
This project is a simple and helpful tool for tracking daily spending and saving money. It will also help me practice and understand C++ OOP concepts in a real life based project.