# Personal Finance Management App - User Manual

## 1. Introduction

This application helps users manage their personal finances by tracking income, expenses, and generating financial reports. Key features include:

• User Registration & Login

• Income & Expense Tracking

• Financial Reports

• Budgeting & Notifications

• Data Backup & Restore

## 2. Installation Instructions

Step 1: Install Python (version 3.8+).

Step 2: Install required dependencies:

pip install sqlite3

Step 3: Run the application:

python main.py

## 3. Usage Instructions

• Register: Create a new account.

• Login: Use your credentials to log in.

• Add Transaction: Record income or expenses.

• View Transactions: See a list of past entries.

• Generate Reports: View monthly and yearly financial summaries.

• Set Budget: Define spending limits and receive alerts if exceeded.

• Backup/Restore Data: Save or restore your database.

## 4. Backup and Restore

Backup: Automatically creates a `.bak` file of the database.

Restore: Replaces the current database from the backup.

## 5. Unit Testing

Run tests using `unittest` to validate key functionalities:

python -m unittest test\_main.py

Key functionalities covered:

• User Registration and Login

• Add Transactions

• Budget Checks and Alerts

## 6. Troubleshooting

Common errors and solutions for the application.