Tony Stank - Personal Finance Management
Software Deployment Plan
Latest update: 2024-11-22

1. System Requirements

- Windows 10 and above
- MacOS/14 and above
- Linux SuSE Leap 15

2. Deployment Strategy Summary

We plan to package our source files into a zip file that will include a shell script to automate the installation of necessary dependencies, including pip and sqlite3.

3. Installation Package Contents

- Install python3
- Install pip3
- Install sqlite3

3.1 Required source or compiled files

main.py,
user_dashboard.py,
initialize_account.py,
account.py,
account_database.py,
add_account.py,
delete_account.py,
show_account_balance.py,
add_transaction.py,
delete_transaction.py,
search_transaction.py,
show_transaction.py,
budget_management.py,
personal_finance.db,
Finance Template.csv
install.sh

3.2 Required third-party components

- Sqlite 3

3.3 Required graphical assets, configuration and other non-program files

None

3.4 Documentation files to be provided

- Install kit in Google Drive link
- README file

3.5 Development files and components that must be excluded

- Unused Source files
- Files for Testing

4. Additional Code Required for Deployment

Shell script to check for Python 3, install pip, and sqlite3, and then execute the program.

5. Deployment Tasks

- Test all functionality of the code
- Pull of a clean copy of the code from your repository
- Create a zip file that includes the code and the documentation
- Write a shell script that automate the installation of dependencies
- Test the installation script on Windows, MacOS, and Linux
- Upload the zip file into Google Drive

6. Deployment Test Plan

- Installation testing
    - Ensure that user can install the application from Google Drive
    - Ensure that user be able to install on Windows 10 and above, MacOS/14 and above, and Linux SuSE Leap 15 and above
    - Ensure that every feature works on every system
- System environment setting
    - Ensure that shell script can automate the installation of necessary dependencies, including pip and sqlite3.
    - Ensure that user get Python3 installed on their computer correctly

- Performance testing
    - Test every functional test case to make sure that all functions work properly and no conflict.