Software Requirements Specification

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My Money Tracker

B. Chaitanya Kumar, 140010045
Aparant Deepak Pagare, 14D170005
Pappu Kiran, 140010036

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1 Introduction

This document is to give an overall view about the functionality and the system requirements to run the application. It gives the user information about proper utilization of the software.

2 Overall Description

Product Perspective-- In simple terms, this application is a money tracker.
Product Functions-- It helps us keep a track of our wallet, with detailed stats of where the money is coming from and going to.
User Characteristics-- The user need not have any prerequisite qualification. The application is highly user friendly and for all age groups.
Constraints-- The only major constraint is the laziness of the user to input his income and expenses.
Assumptions and Dependencies-- The application depends on constant update from the user. Only if the user constantly inputs information the application can be used to maximum potential.
Requirements-- A computer with code-blocks including suitable graphics library.

3 Details

3.1 Functionality

The application is basically a diary which keeps track of your money, from where it comes and where it goes. It also tabulates your expenses to give a better knowledge to the user on his spending habits so that the user can regulate his money flow properly.

3.2 Supportability

The application construction would be done using ‘github’, so as to keep a working record and also for backup in case of unpredicted errors. Standard coding procedures and naming conventions will be followed so as to make the code readable and accessible for later batches to work on and improvise if interested.

3.3 Design Constraints

The application would run on minimum graphics hence there aren’t any significant design constraints.

3.4 Interfaces

3.4.1 User Interfaces

The user interface would be graphical and also basic command line interface would be available.

3.4.2 Hardware Interfaces

No additional hardware components are required to complete the application.

3.4.3 Software Interfaces

For the graphical interface suitable graphic libraries may be required. For the record keeping a file making and reading library would be required. Other programs or software would not be necessary.

3.4.4 Communications Interfaces

The application is completely offline and hence connectivity of any kind would not be required.

4 Quality Control

4.1 Test Data

The application is a monetary tracker hence we would like to give a student test case.

- The student withdraws a certain amount of money from the ATM which he would feed into the income section.
- He later visits a stationery shop to by certain lab instruments and basic necessities.
- On his way back he stops at the cafeteria for some refreshments.
- He takes an auto back to the hostel.
- He feeds all his expenses in their respective sections.
- He later views his balance and his expenses in various categories.

5 Risk Management

Problems--The major issue would be to find out suitable libraries to carry out the specific tasks which would be required in the making of the application. Also our team comprises of only three members and hence we also lack in human resource and extra ideas. Then the minor problems include loss of project work due to an unfortunate error, whether human or machine.

Mitigation--The issue of man power can be solved by putting in extra hours whenever possible. For library related issues we could always look into the internet and also can sought help from our TA. The issue of unexpected errors can be overcome by using ‘github’ and constantly synchronizing our work among the team members.