

Ideation Phase
Literature Survey

Date	17 September 2022
Team ID	PNT2022TMID14560
Project Name	Project – Personal Expense Tracker

Domain of the Project: Cloud App Development

Project Title: Personal Expense Tracker

Literature Survey:

We have collected, studied some series of articles and research papers about various proposed solutions for developing a Personal Expense Tracker Application.

- **DAILY EXPENSE TRACKER MOBILE APPLICATION [1]**

In this report, the Author used Least Square Method which helps in a successful budget planned with the prediction of the outcome of the budget based on expenses for his Daily Expense Tracker Mobile Application. This Application integrates the least square method in statistics for a function which generates a monthly expense report and budget outcome predictions.

As the least square method is very sensitive to even small deviations, it could drastically affect the outcome. This is considered as one of the major disadvantages of this application. And another being this is limited to being only a Mobile Application as of now.

- **EXPENSE TRACKER [2]**

In this android application, use to track and update their daily costs so they are always aware of how much they are spending and they the user can establish their own spending categories like food, clothing, rent and bills, and then enter the amount spent. And there is notes feature to specify more information about the expenses. The advantage in the application is there is a pie chart of costs feature to visualize the expenses in an efficient way.

- **EXPENSE TRACKER MOBILE APPLICATION [3]**

This application is similar to the above mentioned except this is for iPhone users implemented using iOS SDK. After when the user enters the expenses, dates and other details, the user is able to see the expense details daily, weekly, monthly, and yearly in figures, graphs, PDF format, and can print them as well if a printer is detected or scanned nearby.

As the user can only enter the expense amount in United States Dollars Currency, this application is limited to only for US people. And also there is no search option in this application, so if a user wants to see the expense he made on Rent for the past 2 months he has to scroll through the calendar to find it.

- **Expense Manager Application [4]**

In this mobile application, which is for android platform that keeps record of user personal expenses, his/her contribution in group expenditures, top investment options, view of the current stock market, read authenticated financial news and grab the best ongoing offers in the market in popular categories.

This application can also help digital marketing agencies in rolling out their advertising campaigns more effectively. A feature called “splitbill” is available used to split bills among friends and like for storing any information about money lent or borrowed.

- **Expense Tracker: A Smart Approach to Track Everyday Expense [5]**

This research paper is about a Windows based application specifically for windows users. This Expense Tracker is a day-to-day expense management system designed to easily and efficiently track the daily expenses of unpaid and unpaid staff through a computerized system that eliminates the need for manual paper tasks that systematically maintains records and easily accesses data stored by the user.

References:

- [1] MUSTAFA, N. N. B. DAILY EXPENSE TRACKER MOBILE APPLICATION.
- [2] Jadhav, N. J., Chakor, R. V., Gunjal, T. M., & Pawar, D. D. EXPENSE TRACKER.
- [3] Manchanda, A. (2012). *Expense Tracker Mobile Application* (Doctoral dissertation, San Diego State University).
- [4] Velmurugan, A., Mayan, J. A., Niranjana, P., & Francis, R. (2020, December). Expense manager application. In *Journal of Physics: Conference Series* (Vol. 1712, No. 1, p. 012039). IOP Publishing.
- [5] Gupta, H., Singh, A. P., Kumar, N., & Blessy, J. A. (2020). *Expense Tracker: A Smart Approach to Track Everyday Expense* (No. 4809). EasyChair.