

# Personal Expense Tracker Application

## Literature Survey

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### Expense Tracker

This project is a web app which is used to track the daily expenses of the user. It is like digital record keeping which keeps the records of expenses done by a user. The application keeps the track of the Income and Expenses both of user on a day-to-day basis. This application takes the income of a user and manage its daily expenses so that the user can save money. If you exceed daily expense allowed amount it will give you a warning, so that you don't spend much and that specific day. If you spend less money than the daily expense allowed amount, the money left after spending is added into user's savings. The application generates report of the expenses of each end of the month. The amount saved can be used for celebrating festivals, Birthdays or Anniversary.

#### A. User Registration and Creation

This application like the vast majority of the applications will have user login screen and alternatives for enlistment. The user should enlist in this application when the person in question is utilizing for first time. Nonetheless, the client who is now enlisted can login to the application utilizing their login accreditations that are made by the user at the hour of enrolment.

#### B. Adding Income and Expenses

This application will provide to choose the categories or type of income or expenses. Every user of the application has to the options to add incomes and expenses accordingly. Each record should have details date of occurrence of item, details of items etc.

#### C. Category Master

This module fundamentally relies upon the SQL Lite for putting away classification details and expense subtleties and income. The class exchange is put away in a SQL lite database.

#### D. Management View- Date Wise

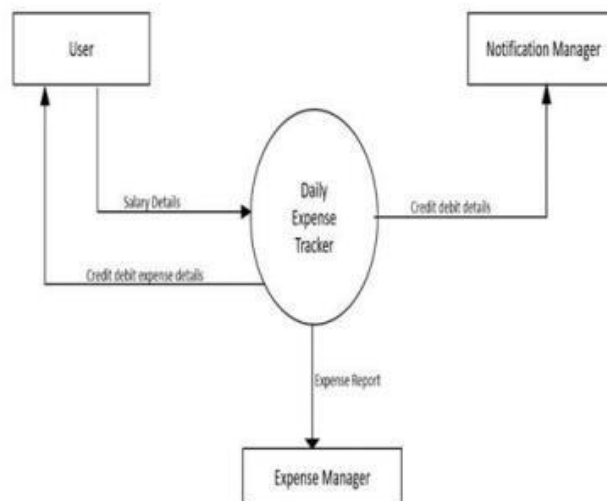
The Expenses are recorded dependent on the Predetermined date insightful in this module. By © MAY 2021 | IRE Journals | Volume 4 Issue 11 | ISSN: 2456-8880 IRE 1702687 ICONIC RESEARCH AND ENGINEERING JOURNALS 20 recovering all the income and expense subtleties are seen as a rundown of exchanges classes by our various costs. The income and expenses are recovered by utilizing SQL lite queries and saw in advanced cell.

#### E. Management View- Category Wise

The Expenses are recorded dependent on the Predetermined classification astute in this module. By retrieving all the income and expense subtleties are seen as a rundown of exchanges classifications by our various expenses. The income and expenses are recovered by utilizing SQL lite queries and saw in advanced cell.

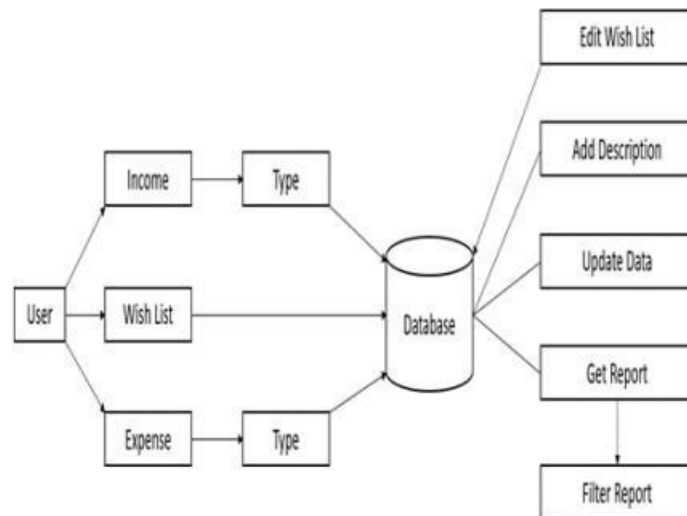
#### F. Remainder

The Rest of is a caution generator module, for user recognition the alert/ready will review the user to add the Income or Expenses at day by day or Certain Period bases on user need.



In this **Existing System**, when we gets his/her salary he/she can add that into daily expense manager. Then after adding his/her salary details user can expense manager stores all the details. If the user want's all the detail of credit and debit he/she can get it through the

Expense Tracker. Notification Manager also reminds about credit and debit details after the



salary is updated.

IV. PROPOSED SYSTEM Fig.

## 2 Proposed System for Expense Tracker

In this proposed System, User are provided with three options for data entry namely Income, Expense and Wish List. If you select income or expense you would be provide with its types and subtypes. For wish list only items can be inserted. This information would be saved onto database by their particular classification. The saved data can later be changed if the user needs to do as such. Altering here means adding description changing wish list updating data etc. User can also view the result. They can also filter to see the required content only.

## V. FUTURE SCOPE

- 1) It will have various options to keep record (for example Food, Travelling Fuel, Salary etc.).
- 2) Automatically it will keep on sending notifications for our daily expenditure.
- 3) In today's busy and expensive life, we are in a great rush to make moneys, but at the end of the month we broke off. As we are unknowingly spending money on title and unwanted things. So, we have come over with the plan to follow our profit.
- 4) Here user can define their own categories for expense type like food, clothing, rent and bills where they have to enter the money that has been spend and likewise can add some data in extra data to indicate the expense

## **PROBLEM FORMULATION**

The problem of current generation population is that they can't remember where all of the money they earned have gone and ultimately have to live while sustaining the little money they have left for their essential needs. In this time there is no such perfect solution which helps a person to track their daily expenditure easily and efficiently and notify them about the money shortage they have. For doing so they have to maintain long ledger's or computer logs to maintain such data and the calculation is done manually by the user, which may generate error leading to losses. Not having a complete tracking system, generates a regular need of entering daily data of the expenditure and total estimation till the end of month. The purpose of this tool is to: A) Keep tracking daily expenses and budgeting; B) Save money for necessary expenses which in return will help to plan the future investments.

## **FEASIBILITY ANALYSIS**

A. Technical Feasibility This analysis focuses on the technical resources which available to use. It helps in determining whether the technical team is capable of converting the ideas into working models. It also evaluates the hardware, software and other technological requirements of the designed system.

B. Operational Feasibility This analysis has a simple User-Interface. Anyone with basic knowledge of Android device can use Expense Tracker. It takes few seconds (approx. 2 sec) to take you from home screen to front page. With a click data can be entered.

C. Economic Feasibility The only cost for building this is for printing and binding report files and system uses cost. In Addition to this, effort and time by every team member is also involved for this project. Also, the user doesn't need to pay any amount to use this app. Just install and use the application. And hence, ET is economically feasible for anyone with the application.

## **REFERENCES**

- [1] Bekaroo, G., & Sunhaloo, S. Intelligent Online Budget Tracker.
- [2] Underwood, D. (2011). A Case Study of Tracking Expenses by Commodity at Widget Farmers' Cooperative.
- [3] Chandini, S., Poojitha, T., Ranjith, D., Akram, V. M., Vani, M. S., & Rajyalakshmi, V. (2019). Online Income and Expense Tracker.
- [4] Satpute, M. K., Kale, A., Mandal, A., & Krishnan, R. SURVEY ON CLASSIFICATION ENGINE FOR MONETARY TRANSACTIONS

[5] Sabab, S. A., Islam, S. S., Rana, M. J., & Hossain, M. (2018, September). eExpense: A smart approach to track everyday expense. In 2018 4th International Conference on Electrical Engineering and Information & Communication Technology (iCEEICT) (pp. 136-141). IEEE.

[6] Rajaprabha, M. N. (2017). Family Expense Manager Application in Android. MS&E, 263(4), 042050

[7] Kan, C., Lynch, J., & Fernbach, P. (2015). How budgeting helps consumers achieve financial goals. ACR North American Advances.

[8] Sharma, R., 2020. Case Study Of Expense Tracking App: Get Daily Alerts Of Your Expense. [online] Medium.

[9] Thanapal, M. P., Patel, Y., Lokesh, R. T. P., & Satheesh, K. J. (2015). Income and expense tracker. Indian Journal of Science and Technology, 8(S2), 118-122.

[10] Manchanda, A. (2012). Expense Tracker Mobile Application (Doctoral dissertation, San Diego State University)