IBM NALAIYA THIRAN

PERSONAL EXPENSE TRACKER APPLICATION

Team ID : PNT2022TMID22332

Team Size :4

Team Lead: Muthu Subramanian
Team Member: Pradesh
Team Member: Vignesh
Team Member: Sreeprakash

LITERATURE SURVEY

UP Singh, AK Gupta, Dr. B. Balamurugan (2021) - Spending Tracker : A Smart Approach to Track DailyExpenses – Turkish Journal of Computer and Mathematics Education Vol.12 No.6 , 5095-5103.

In this paper, a Java GUI based application was proposed to assure that it will help its users to manage the cost of their daily expenditure. It will guide them and aware them of their daily expenses. The proposed design contained the basic modules for adding and viewing expenses, managing expense categories. Supports CRUD operations on expense data.

Pros :

- Category-wise management of expenses
- Daily, monthly, annual basis tracking
- Simple and user-friendly

Cons:

- Lack of visual analytics for expense data
- Lack of support for splitting group expenses
- Supports manual data monitoring only

Y. Anitha, R. Ranjini, S. Gomathi, "Easy App for Expanses Manager Using Android", International Journals of Computer Techniques, Volume: 3 Issue: 2, ISSN: 2394-2231 (March-April 2021).

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.The Expenses are recorded dependent on the Predetermined date insightful in this module.

Pros:

   - Maintenance of expense data in the form of Excel sheets, CSV files, thereby avoiding entering individual expenses manually.
   - Better visual analytics of data for various timelines.
   - Supports handling for reimbursements
   - Least squares regression, a statistical procedure, is used to predict the expense limits.

Cons:

   - Suitable for organization scale, too complex for personal use.
   - Expense prediction is not really necessary for small transactions made on personal use.
   - Involves the participation of 3 roles – Admin, Manager, Employee.

Velmurugan.R , Mrs.P.Usha (2021) - Expense Tracker Application - International Journal of Innovative Research in Technology (IJIRT) Volume 7, Issue 10, March 2021 ISSN: 2349-6002

This is an android based application that allows user to maintain a computerized diary to track expenses on a day-to-day basis to stay on budget and know expenses that is represented via a graphical representation with special features of distributing expenses in different categories suitable for the user. This is an android based application that allows user to maintain a computerized diary to track expenses on a day-to-day basis to stay on budget and know expenses that is represented via a graphical representation with special features of distributing expenses in different categories suitable for the user. Java, XML, MySQL is used. Filtering transaction views, view analytics and PDF report are also included.

Pros:

   - Has various components of updating and viewing users expenditure.
   - User can track his expenses by choosing a day and using various filtering options to study expenses.

- Visualization using pie chart with percentage view shows graphical representation.

Cons :

   - Doesn't support upcoming android versions.
   - If a particular data is deleted, it cannot be viewed again.
  - Statistics about income and expense detail of user can be prepared.

Girish Bekaroo and Sameer Sunhaloo, "Intelligent Online Budget Tracker", Computer Science and IT Education Conference(2014)

It will have various options to keep record (for example Food, Travelling Fuel, Salary etc.).Automatically it will keep on sending notifications for our daily expenditure. 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. 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.

Pros:

   -This approach effectively keeps away from the manual figuring for trying not to ascertain the pay and cost each month.
   - user-friendly.

Cons:

   - Does not provide any option to handle shared expense of a group
   - Effort has to be made to include each and every transaction into the input field

In this approach ,the application keeps the track of the Income and Expenses both of user on a day-today basis. This application takes the income of a user and manages 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.

Pros:

  -This approach effectively keeps away from the manual figuring for trying not to ascertain the pay and cost each month.
  -user-friendly

Cons:

  -It does not provide any analytics.
  - It does not incorporate a shared expense group.