PERSONAL EXPENSE TRACKER APPLICATION

Abstract

This Project is based on an expense and income tracking system. This project aims to create an easy, faster and smooth tracking system between the expense and the income. This project also offers some opportunities that will help the user to sustain all financial activities like digital automated diary. Most of the people cannot track this expense and income one way they face in many crisis in this daily expense tracker can help the people to tracking income expense day to day and making life tension free. This project will save time day and provide a responsible lifestyle.HTML,SQL,Flask,Kubernetes,IBM Cloud, Container Registry, IBM Watson Assistant,IBM Cloud object storage are used to develop the system.

Introduction

Daily Expense Tracker is a system which will keep a track of Income Expense of a person on a day to day basis. This System takes income from a person and divides in daily expense allowed, If you exceed that day's expense it will cut it from your income and give new daily expense allowed amount, and if that days expense is less it will add it in savings. Daily expense tracking system will generate report at the end of month to show Income- Expense curve. It will let you add the savings amount which you had saved for some function.

Existing system

The expense-tracker existing system does not provide the user portable device management level, existing systems only used on desktop software so unable to update anywhere expenses done and unable to update the location of the expense details disruptive that the proposed system provides. Inexisting, we need to maintain the excel sheets, CSV files for the user daily, weekly and monthly expenses. Inexisting, there is no as such complete solution to keep a track of its daily expenses easily. To do so a person as to keep a log in a diary or in a computer system, also all the calculations need to be done by the user which may sometimes results in mistakes leading to loses. It is not user friendly because data is not maintained perfectly.

Disadvantages of Existing System

- Does not provide the user portable device management level.
- Unable to update the location of the expense details as existing system is only used on desktop software.

Proposed System

To reduce manual calculations, we propose an application. This application allows users to maintain a digitalautomated diary. Each user will be required to register on the system at registration time, the user will be providedid,which will be used to maintain the record of each unique user. Expense Tracker application which will keep a track ofIncome-Expense of a user on a day to day basis. The best organizations have a way of tracking and handling thesereimbursements. This ideal practice guarantees that the expenses tracked are accurately and in a timely manner. From acompany perspective, timely settlements of these expenses when tracked well will certainly boost employees' morale. Additionalfeature of Expense and income prediction helps to better budjet management.

Advantages

- The best organizations have a way of tracking and handling these reimbursements. This ideal practice guarantees that the expenses tracked are accurately and in a timely manner. From a company perspective,timely settlements of these expenses when tracked well will certainly boost employees' morale
- Financially Aware and Improve Money Management tracking your expenditures ensures you achieve yourproject financial targets. How is that? By clearly understanding your project spending using project budgetlimits, you can aptly make the necessary changes to complete your project within time and budget.
- Effective expense tracking and reporting to avoid conflict. As a project manager or business owner, you canset clear policies for the expense types and reimbursement limits to avoid misunderstandings are about costs.Tracking the project expenses by asking team members to provide receipts is helpful to avoid conflict andmaintain compliance also. An excellent reporting mechanism is extremely helpful to support the amount to bereimbursed to your team and also invoicing to your customer.

Literature survey

This application like the vast majority of theapplications will have user login screen andalternatives for enlistment. The user should enlist inthis application when the person in question isutilizing for first time. Nonetheless, the client who isnow enlisted can login to the application utilizing theirlogin accreditations that are made by the user at thehour of enrolment.It will provide to choose the

categoriesor type of income or expenses. Every user of theapplication has to the options to add incomes andexpenses accordingly. Each record should have detailsdate of occurrence of item, details of items etc.Categorymaster fundamentally relies upon the SQL Litefor putting away classification details and expensesubtleties and income. The class exchange is put awayin a SQL lite database.The Expenses are recorded dependent on thePredetermined date insightful in this module. By recovering all the income and expense subtleties areseen as a rundown of exchanges classes by our variouscosts. The income and expenses are recovered byutilizing SQL lite queries and saw in advanced cell.The Rest of is a caution generator module, for userrecognition the alert/ready will review the user to addthe Income or Expenses at day by day or CertainPeriod bases on user need.

Reference

[1] Y. Anitha, R. Ranjini, S. Gomathi, "Easy App forExpanses Manager Using Android",International Journals of Computer Techniques, Volume: 3 Issue: 2, ISSN: 2394-2231 (March-April 2016).

[2] N. Zahira Jahan MCA., M. Phil, K. I. Vinodhini," Personalized Expense Managing Assistant Using Android", International Journals of Computer Techniques (IJCT), Volume: 3 Issue:2, ISSN: 2394-2231 (March-April 2016).

[3] S. Chandini, T. Poojitha, D. Ranjith, V. Mohammed Akram, M. S. Vani, Rajyalakshmi, "Online Income and Expense Tracker", International Research Journal of Engineering and Technology (IRJET), Volume:06 Issue: 3, e-ISSN: 2395-0056, p-ISSN: 2395-0072 (March 2019).

[4] P. Thanapal, Mohammed Yaseen Patel, T.P.Lokesh Raj and J. Satheesh Kumar, "Income and Expense Tracker", Indian Journal of Science andTechnology, Vol 8(S2), ISSN: 0974-5645(January 2014).

[5] Girish Bekaroo and Sameer Sunhaloo,"Intelligent Online Budget Tracker",ComputerScience and IT Education Conference (2014).