

PERSONAL EXPENSE TRACKER

TEAM ID: PNT2022TMID23145

Mentor:
Mr.Sakthivel Murugasen

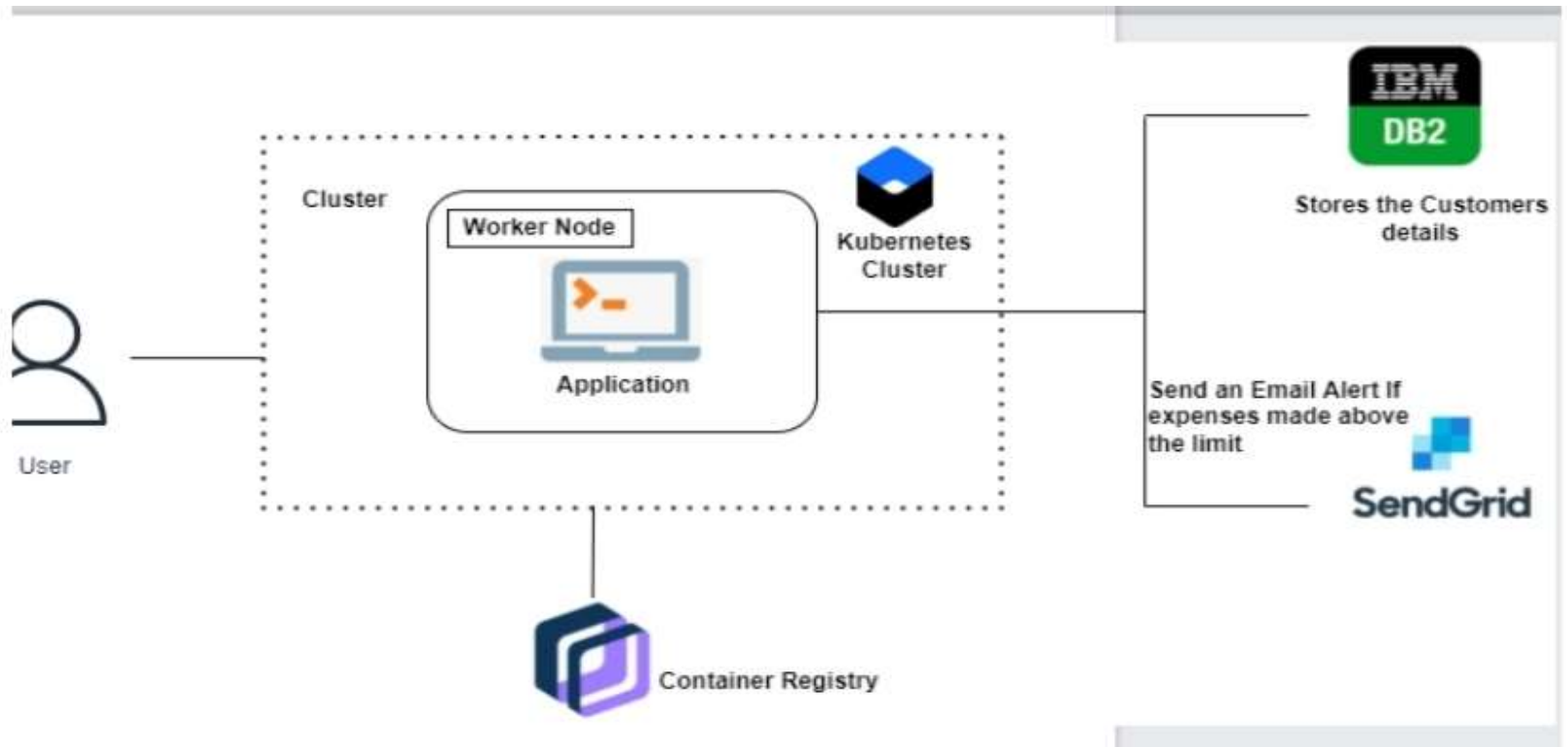
Team Leader:
Lavanya B H
Team Members:
Lakshmi Priya G
Nithisha V
Ragasruthi J

Problem Definition

Personal finance entails all the financial decisions and activities that a Finance app makes your life easier by helping you to manage your finances efficiently. A personal finance app will not only help you with budgeting and accounting but also give you helpful insights about money management.

Personal finance applications will ask users to add their expenses and based on their expenses wallet balance will be updated which will be visible to the user. Also, users can get an analysis of their expenditure in graphical forms. They have an option to set a limit for the amount to be used for that particular month if the limit is exceeded the user will be notified with an email alert

Technical Architecture



Paper-1

Author: Shahed Anzarus Sabab , Sadman Saumik Islam , Md. Jewel Rana , Monir Hossain

Title: eExpense : Smart Approach to Track Everyday Expense

Published Journal: 2018 4th International Conference on Electrical Engineering and Information & Communication Technology

Year of Published: 13-15 sept 2018

Objective: Users can save their expense by simply scanning the bills . This application extracts the textual information from the receipts and saves the amount and description for further processing. It also monitors user's income by tracking the received SMS's from the user's saving accounts. By calculating income and expense it produces the user's balance in monthly and yearly basis.

Technology used: Artificial Intelligence

Paper-2

Author: Shiva Mehra, Prabhat Parashar

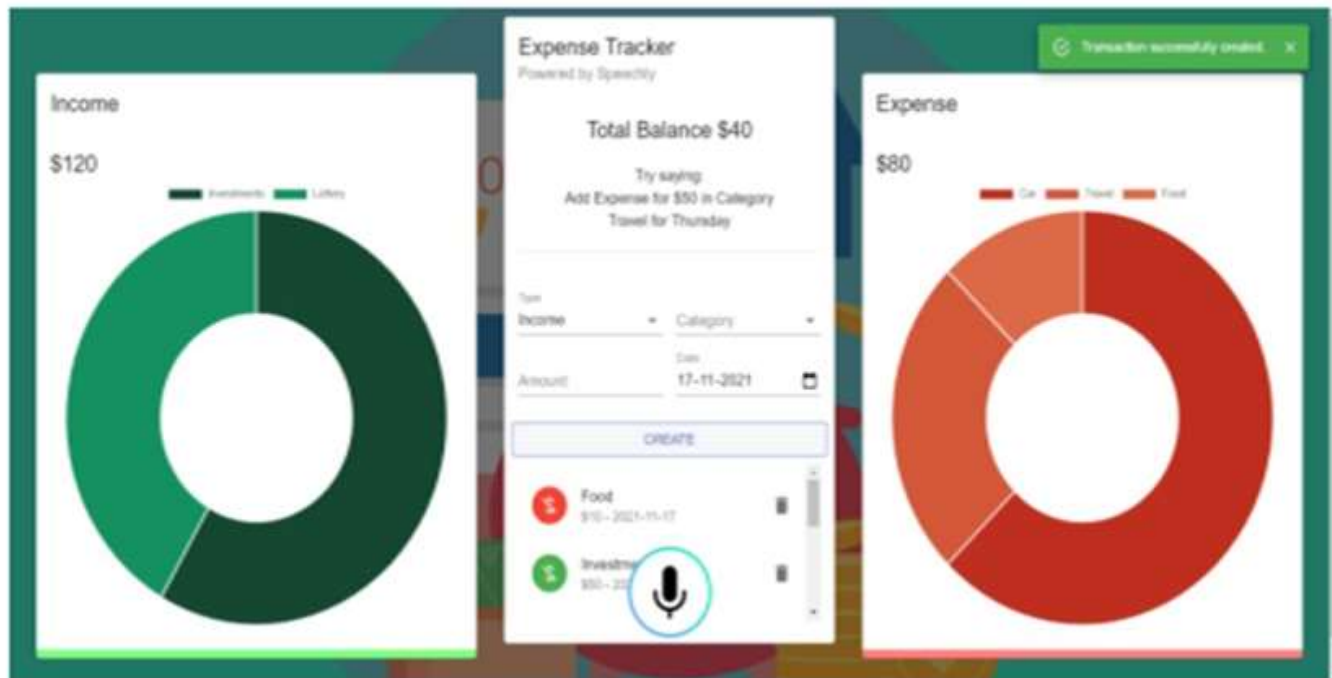
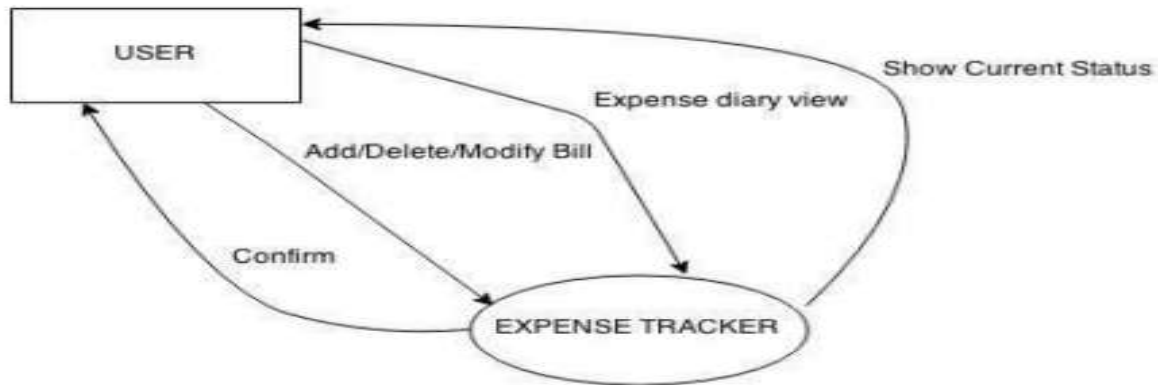
Title: Daily Expense Tracker

Published Journal: International Journal of Research in Engineering and Science

Year of Published: Dec 2021

Objectives: Daily expense tracker allows the user to track the expense of the user daily creates the digital record and illustrate in the form of chart.

Technology Used: React JS(FE) , DOM(JavaScript object)[For the performance of the app],AI Powered engine(Voice implementation)



Paper-3

Author: S.Chandhini , D.Ranjeeth

Title: Online Income and Expense Tracker

Published Journal: International Research Journal of Engineering and Technology

Year of Published: Mar 2019

Objective: User can input amount of expense category wise . Also they can sort the expense weekly , monthly, yearly. User can view the expense in the graph format. User receive the mail regarding their expenses , savings and income weekly.

Language used: PHP

Paper-4

Author: Prof. Miriam Thomas, Dr. Mahalaxmi

Title: Expense tracker

Published Journal: International Journal of Advance Research and Science Communication and Technology

Year of Published: Sept-2020

Objectives: There are three logins such as admin , manager and staff. Admin can add , delete , edit manager. Manager can add the type of expense , verify expense and generate the report. Staff can add and edit the expense and perform calculations.

Technology: NetBeans IDE

Language used: PHP,HTML5,C,C++,MySQL

Paper-5

Author: M.Harish Kumar, D.Thenmullai ,G.P.Shree Harini

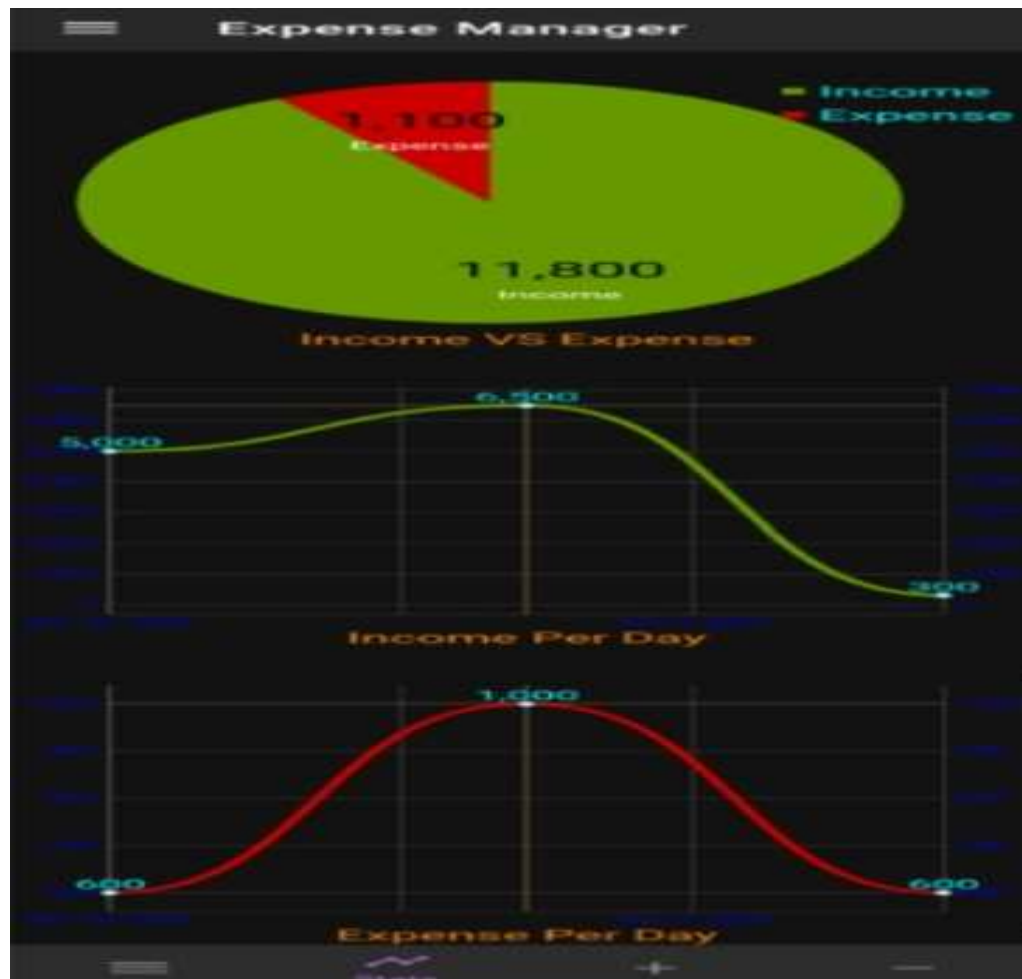
Title: Application for Tracking Personal Expense

Published Journal: International Journal of Advanced Research in Computer and Communication Engineering

Year of Published: Mar-2022

Objective: User have to input their expenses category wise daily which will give result in the format of graph , If it exceeds the certain limit fixed by the user ,it will send the alert message to the user.

Technology used: Android studio , OCR(Optical Character Recognition)



Paper-6

Author: Prapphulla S. Kheradhe , Raj S. Vilankar

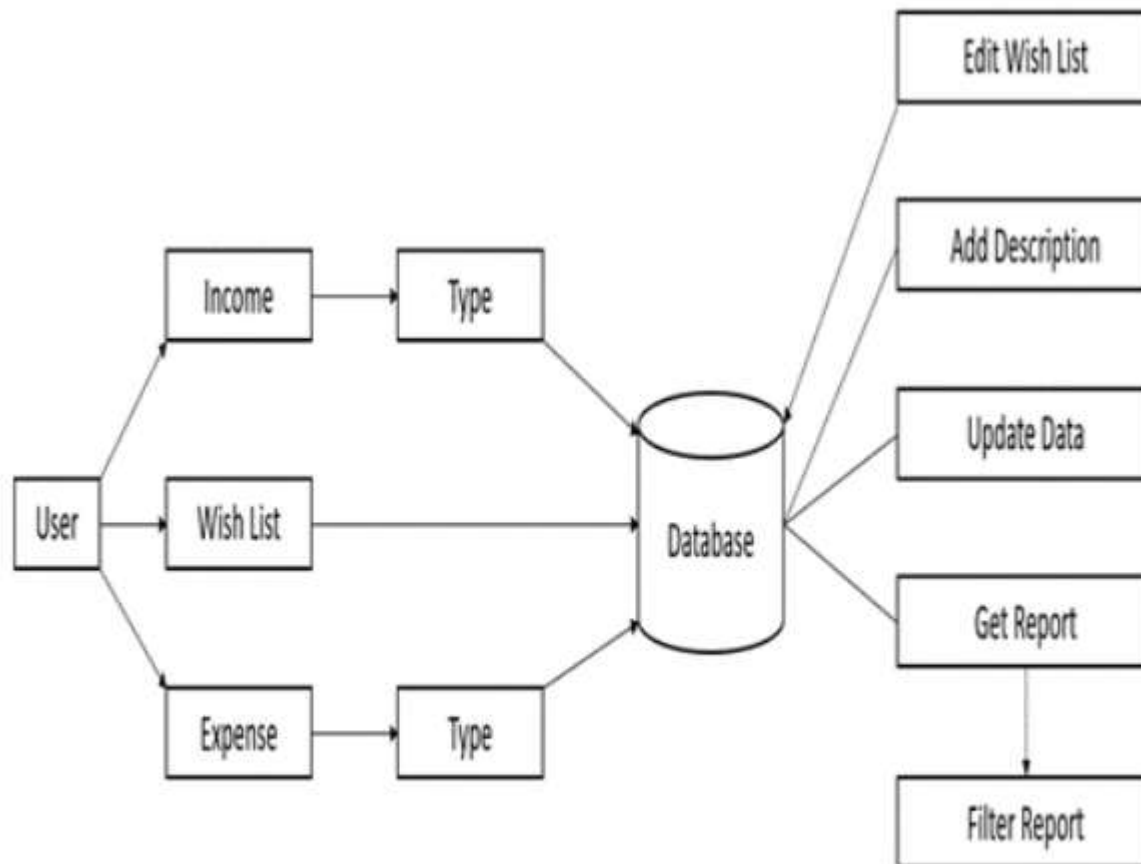
Title: Expense Tracker

Published Journal: Iconic Research And Engineering Journals

Year of Published: May-2021

Objective: User have to input their expenses in the daily basis and when the limit exceeds ,it will give the warning and will give remainder if the user didn't enter the daily expenses.

Language Used: Angular 8, SQL lite



Paper-7

Author: Nidhi Jitendra Jadhav, Rutuja Vijay Chakor, Trupti Mahesh Gunjal

Title: Expense Tracker

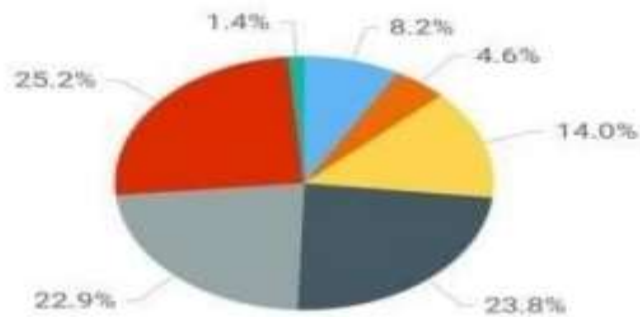
Published Journal: International Research Journal of Modernization in Engineering Technology and Science

Year of Published: Mar-2022

Objective: The user can establish their own spending categories, such as food, clothing, rent, and bills, and then enter the amount spent as well as any notes. Include more information in the Additional information area to specify the expense. A pie chart of costs will be available to the user.

Pictorial Representation

Expenses visualization as per categories



Paper-8

Author: Saumya Dubey, Pragya Dubey

Title: Student Expense Tracking Application

Published Journal: IJARIIIE-ISSN(O)-2395-4396

Year of Published: Jul-2022

Objectives: This application creates an easier , faster and smooth tracking system between the money spent and the money earned on day to day basis for the students.

Technology used: Android studio , firebase

Paper-9

Author: Mr. Shekhar Singh, Aman Garg

Title: Expense Tracker

Published Journal: International Journal for Research in Applied Science & Engineering Technology

Year of Published: Mar-2021

Objective: This application asks the user to enter the income and their expenditure . This app will analyze the monthly and year wise income so , that user will come to know in which area the user is spending more.

Paper-10

Author: Tamia Ruvimbo Masendu, Aanajey Mani Tripath

Title: Daily Expense Tracker

Published Journal: International Journal of Research in Engineering, Science and Management

Year of Published: May-2022

Objective: This application helps the user to manage their daily expense in which the user gives an input If it exceeds the certain limit fixed by the user ,it will send the alert message to the user.

Technology Used: NetBeans IDE13

Language Used: MySQL

Critical Findings:

- **The application can be extended to include scanning of barcode on the price tag which decreases the effort of entering the data in the input fields.**
- **A notification system can be enabled in case when the expenses crosses over the income generated by the user to warn him or her about the situation.**

Thank You!