

# **PERSONAL EXPENSE TRACKER**

**TEAM ID: PNT2022TMID23198**

**Mentor:**  
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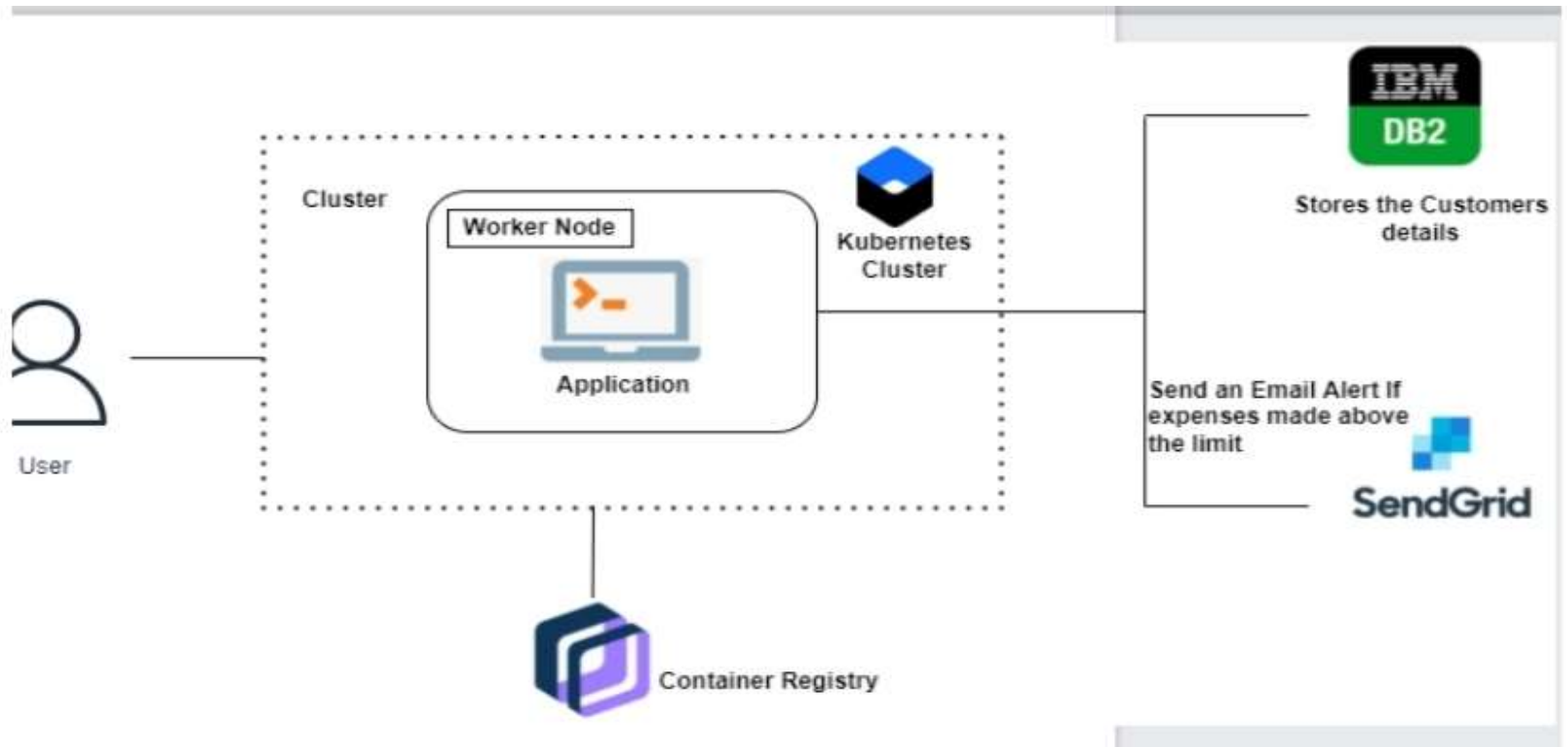
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# Problem Definition

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 4<sup>th</sup> 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

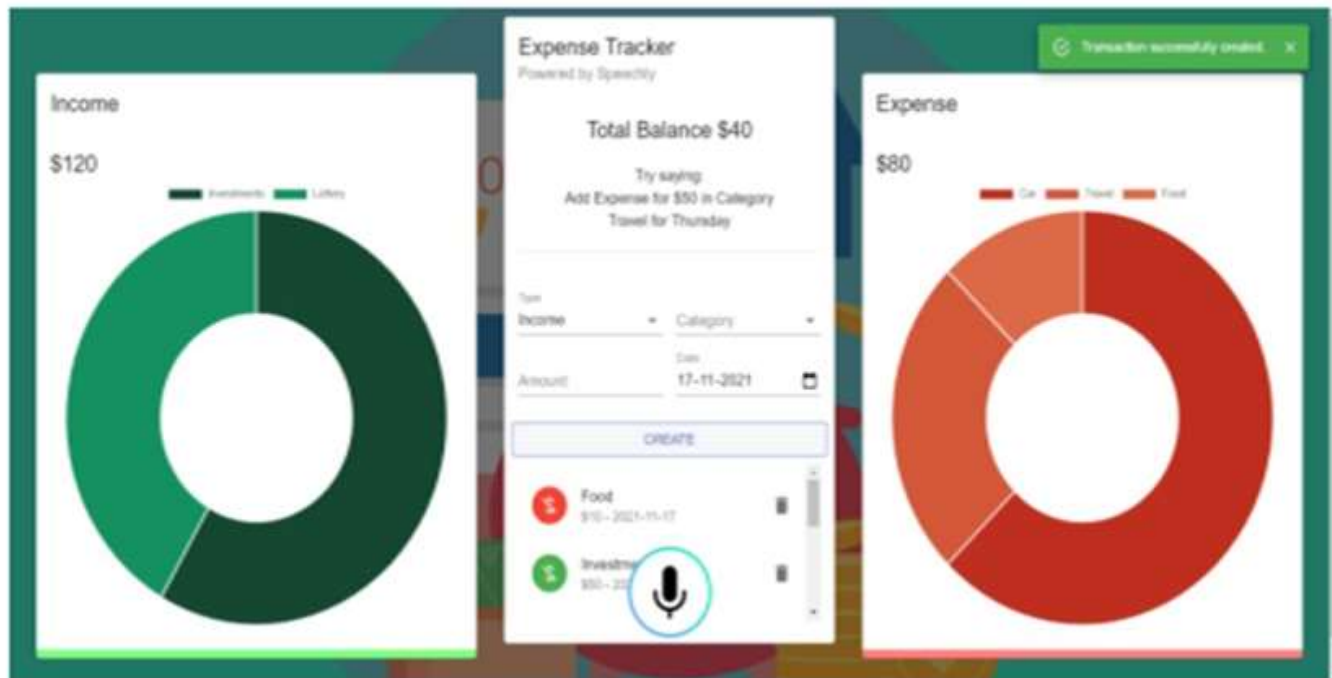
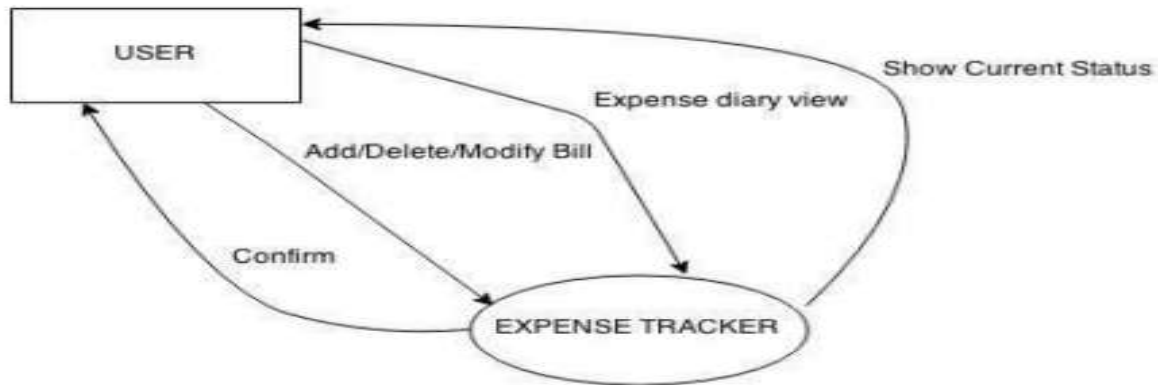
**Title:** Daily Expense Tracker

**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

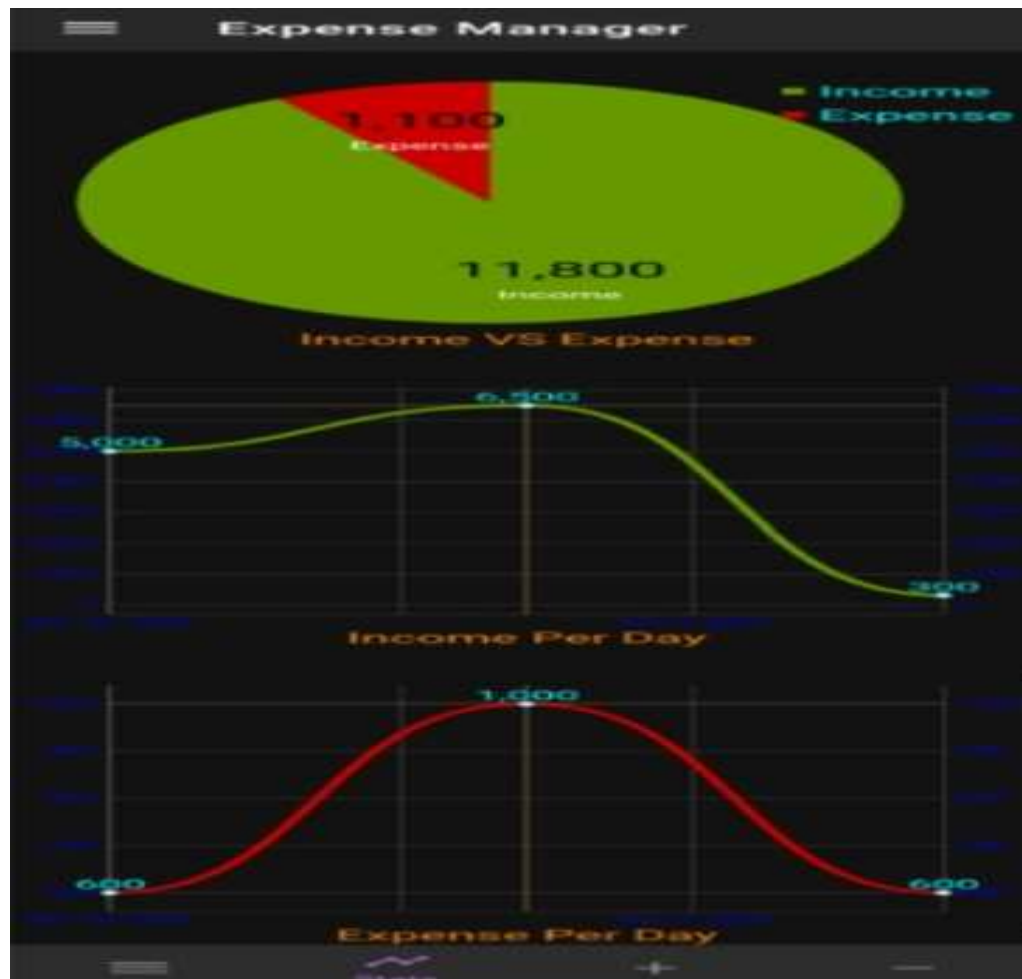
**Title:** Application for Tracking Personal Expense

**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

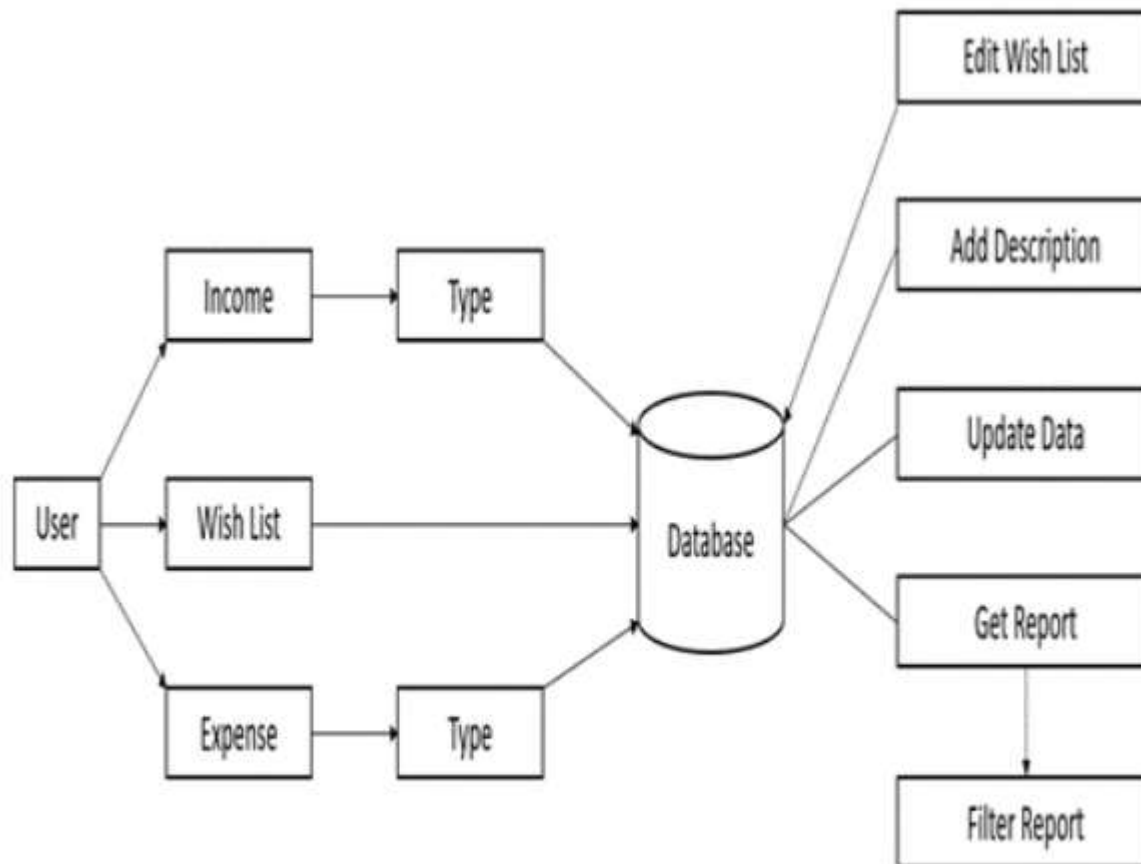
**Title:** Expense Tracker

**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

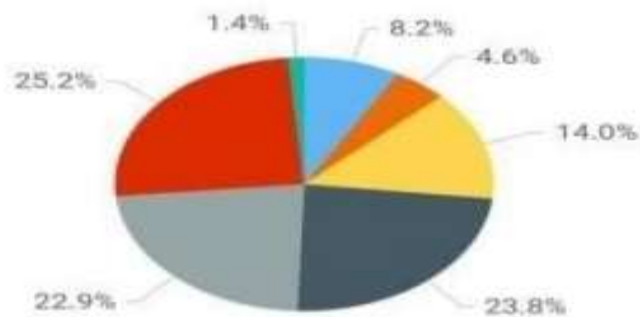
**Published Journal:** International Research Journal of Modernization in Engineering Technology and Science

**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!**