

Ideation Phase:

Team ID	PNT2022TMID27622
Project Name	Project – Personal Expense Tracker Application

Problem Statement:

To develop a Personal Expense Tracker Application that the users could use to keep track of expenses.

Need for the application:

Numerous information technology (IT) based cloud applications are created as technology advances to help people and businesses complete tasks, particularly those that are done on a daily basis. Automating the recording and monitoring of everyday spending is the goal of this cloud-based tool for tracking expenses. Back then, daily costs, periodic costs, and manually determining the financial plan were all tracked in a costs day book. The majority of the world now makes use of cutting-edge cloud application development. Making this application cloud-based makes a lot of sense given the widespread adoption of these cloud application development technologies and their capacity to operate apps. The use of this programme will, among other things, assist in monitoring expenditure rates, updating information, and providing warning notifications.

The availability and growth of cloud technology over the past ten years plainly show how popular these technologies are, especially for tasks requiring computational power. Keeping track of spending is crucial for our rapidly expanding daily lives. The days of sitting down with a notebook and a mountain of bills and receipts to calculate one's income, expenses, and overall budgetary plan are long gone. There are many different spreadsheets and applications available now that are designed to make financial planning much simpler and more effective. However, all of them constrain complete budgeting and tracking techniques due to the drawback of bringing laptops about.

Literature Survey

S.NO	TITLE	AUTHOR	YEAR	ABSTRACT	TECHNOLOGY
1.	EXPENSE MANAGER APPLICATION	Velmurugan A, Albert Mayan J, Niranjana P and Richard Francis	2020	This application is used to keep record of user personal expenses, his/her contribution in group expenditures, top investment options, view of the current stock market and grap the best ongoing offer in the market. It eliminate the sticky notes, spreadsheets confussion and data handling inconsistency problems.	Android studio, Kotlin, java, SQLite, Android OS, Figma designing tool.
2.	EXPENSE TRACKER	Nidhi Jitendra Jadhav, Rutuja Vijay Chakor , Trupti Mahesh Gunjal , Damayanti. D. Pawar	2022	This system takes the user's income and divides it into daily expense allowances. If you exceed that day's expense, it will be deducted from your income and replaced with a new daily expense allowance. If the amount is smaller, it will be saved. At the end of the month, the daily spending tracking system will provide a report that shows the incomeexpenditure curve.	Mobile application, Using Database layer which holds all of the data and financial information, supported by User Interface.
3.	Daily Expense Tracker	Tamia Ruvimbo Masendu , Aanajey Mani Tripath	2022	Daily Expense Tracker is a gadget that being developed to help customers in budget planning. It offers end customers to file their earnings and costs within the finances that have been planned beforehand.	This application is a GUI (Graphics User Interface) based application. Technology used Java (Apache NetBeans IDE 13) and my MySQL Workbench.
4.	Expense Tracker Application	Velmurugan. R , Mrs. P. Usha	2021	This application allows the user to maintain a computerized diary. which will keep a track of Expenses of a user on a day to-day basis. This application keeps a record of your expenses and also will give you a category wise distribution of your expenses. It will generate report at the end of month to show Expense via a graphical representation.	Java, Xml, MySQL

5.	EXPENDITURE MANAGEMENT SYSTEM	Dr. V. Geetha, G. Nikhitha, H. Sri Lasya, Dr. C.K.Gomathy	2022	This application uses Weekly Budget Planner to track their expenses. Automated message Alert is generated when they cross their budget. UPI linkup to track their online transactions. Weekly and Monthly Analysis are generated in the form of pie. chart. App Authentication for security of the user. Income. Expenses, and Wish List are the three data entry choices available to the user	JavaScript, JSX, React and Mangodb.
6.	A Case Study of Tracking Expenses by Commodity at Widget Farmers Cooperative	Dan Underwood	2011	Growing pressure from competition, shrinking markets, and poor economic conditions are making many agribusinesses look for ways to maximize profits and remain healthy. Widget Farmers Coop (WFC) is a large retail agricultural supply cooperative with 12 locations in two states. It has over 40 million dollars in annual sales each year since its creation in 2004. WFC management would like to track expenses and identify areas of the business that are profitable and capitalize on them, as well as identify areas that are not profitable and realign or eliminate them. Using Excel, the WFC regional accounting team designed Cost Allocation Tool 1 (CAT 1), a spreadsheet to allocate expenses based on product category both by site and as a whole for WFC.	Excel, designed Cost Allocation Tool 1 (CAT 1)
7.	Expense Tracker : A Smart Approach to Track Everyday Expense	Hrithik Gupta, Anant Prakash Singh, Navneet Kumar and J. Angelin Blessy	2020	Expense Tracker is a day-to-day expense management system designed to easily and efficiently track the daily expenses of unpaid and unpaid staff through a computerized system that eliminates the need for manual paper tasks that systematically maintains records and easily accesses data stored by the user.	Java (Apache Netbins 11.3) and MySQL Workbench 8.0 CE

8.	Expense Tracker	ATIYA KAZI1 , PRAPHULLA S. KHERADE2 , RAJ S. VILANKAR3 , PARAG M. SAWANT	2021	We are building an android application named as “Expense Tracker”. As the name suggests, this project is an android 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	SQL lite queries and saw in advanced cell.
9.	A Review on Budget Estimator Android Application	Namita Jagtap1, Priyanka Joshi2, Aditya Kamble3	2019	In existing, we need to maintain the excel sheets, csv etc. files for the user daily and monthly expenses. In existing, there is no as such complete solution to keep a track of its daily expenditure easily. to do so a person as to keep a log in a diary or in a computer, also all the calculations needs to be done by the user which may sometimes results in errors leading to losses.	Firebase Authentication
10.	EXPENSE TRACKER MOBILE APPLICATION	Angad Manchanda	2012	Modern life offers a plethora of options of services and goods for consumers. As a result, people’s expenses have gone up dramatically, e.g., compared to a decade ago, and the cost of living has been increasing day by day. Thus it becomes essential to keep a check on expenses in order to live a good life with a proper budget set up.	HTML, CSS and javascript code.