

# PERSONAL EXPENSE TRACKER

## LITERATURE SURVEY

### 1) Google Sheets spending tracker

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Tracking expenses is the only way to make sure that your money does not go down the drain. The idea is pretty simple: you need to categorize expenses by category and analyze how much you spend on each. Examples of categories include food, insurance, utilities, etc. Based on the analysis, you'll be able to decrease expenses and increase savings. Does it sound enticing? Then check out the personal Google Sheets expense tracker template, which is available for your use for free.

The expense tracker was designed in Google Sheets and consists of two sheets:

- **Expense Tracker** – the sheet with the tracker itself: it allows you to filter out expenses by categories according to the selected period. This sheet also contains the breakdown of income and expenses by categories/months.
- **Import your income/expenses** – the sheet where you can manually or automatically import data about your revenues and expenses.

Import your income/expenses

The personal Google Sheets expense tracker template will work after you feed data into it. For this, you need to go to the **Import your income/expenses** sheet. It has 5 columns:

- *Date* – specify the date of your income/expense. Click on the cell and select the date.
- *Period* – a technical field that extracts the name of the month from the date you specify in the Date column.
- *Income* – select the type of income from the drop-down list. (The list consists of the income categories from the *Expense Tracker* sheet)
- *Expense* – select the type of expense from the drop-down list. (The list consists of the expense categories from the *Expense Tracker* sheet)
- *Amount* – specify the amount of income/expense in the currency you need.

**Link:** [https://blog.coupler.io/personal-expenses-tracker-google-sheets/#Expense\\_Tracker](https://blog.coupler.io/personal-expenses-tracker-google-sheets/#Expense_Tracker)

### 2) Expense Tracker

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"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. 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. The amount saved can be used for celebrating festivals, Birthdays or Anniversary".

The "Expense Tracker" is developed using Angular 8 for front end and SQL lite for back end. Expense Tracker helps to maintain the record of daily expenses and monthly income of an user from anywhere and also generates a monthly report of the expenses in pdf format. The Tracking of expenses is categorised by week, month and year, it helps to see the more expenses made. To use the Expense Tracker the user has to sign up into such as name, phone no., address, email address, username, password and confirm password of the user. The user can get enlisted just a single time, per user can just one record. The remainder is set if the type future expense. The whole subtleties of the income or expense can be seen or refreshed or can be erased by long pressing the specific rundown thing. The things in the rundown can be separated by month, year and date. When the month's end is arrived at the complete pay, all out past expense and all-out future expense are determined and shown for the user.

In this proposed System, User are provided with three options for data entry namely Income, Expense and Wish List. If you select income or expense you would be provide with its types and subtypes. For wish list only items can be inserted. This information would be saved onto database by their particular classification. The saved data can later be changed if the user needs to do as such. Altering here means adding description changing wish list updating data etc. User can also view the result. They can also filter to see the required content only.

### **3) Daily Expense Tracker**

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A Daily Expense Tracker is a tool that resides on a remote server and is accessible via browsers. As the name suggest Daily Expense Tracker is a web application that allows you to track the daily expense of the user and help them to better manage their resources. It creates a digital record of the income and expense of the user. It input from the user a income, source of this income and the date of earning that income and creates a transaction entry under income category sums to the total amount of income and making real time changes. The various sources of income can be added and thus the distribution of your income is also illustrated by real time functioning charts that will keep updating as per your transactions. Similarly, it will also have an expense category where you can make similar transaction about the source of your expense, amount and date. On creating such transaction a different chart for distribution of expense will also be made in real time. The web application will also be voice powered and all the functionalities can be used with voice commands. The application will be accessible and compatible to all the devices.

The daily expense tracker is a web application which is used to maintain data of daily, weekly, monthly and yearly expenses in an eye-catching way. Here data is stored in local storage of the browser and thus is never lost and stay as it is even if you open the application after a long period of time. This web application usually is developed using React

Js as the framework and also uses its libraries like material Ui, chart.js to add and create the functionalities.

The methodology of daily expense tracker are as follows:

- This system will include a website application that will allow users to maintain a digital automated diary
- There will be two options for the user that are income and expenses to make an entry.
- The user can select any entry according to his/her choice. There are different options in both expense and income category.
- For instance we have sub categories in income that are lottery, deposits, travel , bills , salary, savings , rental income etc .
- The important point here is that user can create his /her category according to need.
- This is a platform independent web application. User can use this application either in their mobile phones or desktops.
- Both Income and Expenses pie chart will be created when we add any item and distributed according to the user need.
- The main feature is that we have used speech recognition technique in this daily expense tracker.
- If any user doesn't know how to add or delete he/she simply can give commands. For eg:- Add rupees 10,000 in income as salary.
- The final result is shown in the pie chart . There will be two separate pie charts for income and expense with different colours showing the distribution of amount the user has added in the web application.