# Project Design Phase-I
## Solution Architecture

| Date | 19 September 2022 |
|---|---|
| Team ID | PNT20222TMID53089 |
| Project Name | Project - Personal Expense Tracker |
| Maximum Marks | 4 Marks |

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Project - Personal Expense Tracker App
Team Leader      -     Pradeep G
Team Member 1  -     Nithin S
Team Member 2  -     Varsini S
Team Member 3  -     Ramyapriya S
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**Software Required:**

- Python
- Flask
- Docker

**System Required:**

- 8GB RAM Intel Core i3 or higher
- OS - Windows/Linux/MAC
- Laptop or Desktop

In simple words, personal finance entails all the financial decisions and activities that an Expense Tracker app contains to make your life easier by helping you manage your finances efficiently. A Personal Expense Tracker app will not only help you with budgeting and accounting but also give you helpful insights about money management. It will ask users to add their expenses and based on their expenses, the wallet balance will be updated which is visible to the user. Also, users can get an analysis of their expenditures in graphical forms. They are given an option to set a limit for the amount to be used for that particular month based on category. If the limit is exceeded, the user will be notified with a pop-up notification or an email notification as specified by the customer.

**Product Requirements:**

1. Initialize balance on signing up.
2. Update balance on expenditure.
3. Add expenses with optional descriptions.
4. Modify an expense.
5. Display the remaining balance after every expense.
6. Display a graph of expenditure (over a user-specified period of time).
7. Set a monthly limit on expenditure.
8. Notify users when they are about to reach their monthly limit.

## Solution Architecture Diagram: