**PERSONAL EXPENSE TRACKER APPLICATION**

**LITERATURE SURVEY:**

* **Categories:**

To choose the categories either income or expenses. Each category is provided with more sub-categories. For every transaction, the sub-category transaction count will get incremented and expenses will be added to the respective wallet.

* Advantage: Gives more clarity on the user’s daily expenses by separating income and our expenditure.
* Disadvantage: User can’t create a custom tab for savings.
* **Label:**

This section allows user to add custom labels to keep track of regular expenses and also if the user wants the application supports merging of two or more labels into a single label. It also displays the transaction count and wallet balance.

* Advantage: User can see their expenses on a particular label without seeing their previous transaction history.
* Disadvantage: More the number of labels created causes more confusion.
* **Manual wallet:**

The user can manually update their hard cash balance and can also share their wallet with other people. The user can have more than one manual wallet.

* Advantage: Manual entries help the user to keep in track of casual expenses.
* Disadvantage: User feels lazy or sometimes forget to do manual entries.
* **E-Wallet:**

The user can add their bank account to the application to keep track on expenses and all other expenditure. E-wallet like PayPal can be attached to this application.

* Advantage: The app can easily get the expense intel form the user’s E-wallet notifications.
* Disadvantage: This link cause highly reliability on E-wallet notification.
* **Budget plan:**

This feature helps the user to set a budget limit on a set of sub-category expenses on a limited period of time. Suppose if the user crosses the limit the application will generate an Email alert.

* Advantage: Helps the user to maintain their expenses
* Disadvantage: Unwanted alert notification when the user crosses their budget limit under critical circumstances.
* **Expenditure graph:**

Based on daily expenses the application will generate an expense – time graph. So that the user can analyse their expenditure over a period of time. This helps the user to avoid unnecessary expenses and they can also keep in track of their budget.

* Advantage: Gives a clear pictorial representation of the user’s expenditure on a particular time period.

**TECHNOLOGIES:**

* Python
* Flask
* Docker
* Angular
* Redis
* MySql