

**Title:** Tiny Financial Assistant

**Team Members:**

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**Description:**

The aim of the app is for users to have an idea of how much money they earned and spent during a certain period of time and allows them to see what they spent on by showing them graphics and charts. By tracking their expenses, this helps users manage their finances properly. If possible, the app can also predict the user's future expenses based on their previous data.

**Basic components:**

1. A page to add how much money the user earned and spent over a certain period of time with their notes. We could have two blocks on this page, one that says the daily/weekly/monthly income (maybe we can use a spinner to let users choose how often they receive their salaries), and another one that says the outcome where people can enter numbers and short notes in.
2. A bar chart that shows the total daily/weekly/monthly cost. We will use some tools or libraries that can help us to draw those charts, we are not sure which ones, but we are going to figure it out in the future project progress.

3. A pie chart that shows the percentage of different types of expenses. When users click on a type, it will display the total cost of that type.
4. A page to giving a report of total income and outcome per month. We might use databases to store user's data and display them in the report.
5. A page to let the users sort different types of expenses they spent over a certain amount of money. For example, sort expenses above \$100.

**Tools and technologies:**

1. *MPAndroidChart* library will be used on all graphing components.
2. *SQLite* database will be used to store data.

**Further aim:**

1. A page or a tool that predicts the user's expenses in a future week / month / year based on the user's previous expenses.