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Money Tracker

Description

Money Tracker helps to track your transactions and user can later make decision over expenses. User can know how much user spent on each needs using categories. And also how much user earn and how much money transfer between accounts. Finally user can have summary of account balance. So user can spent money very carefully and know how much needed for budget.

Intended User

Basically this app can be used by everyone who care about their expenses.

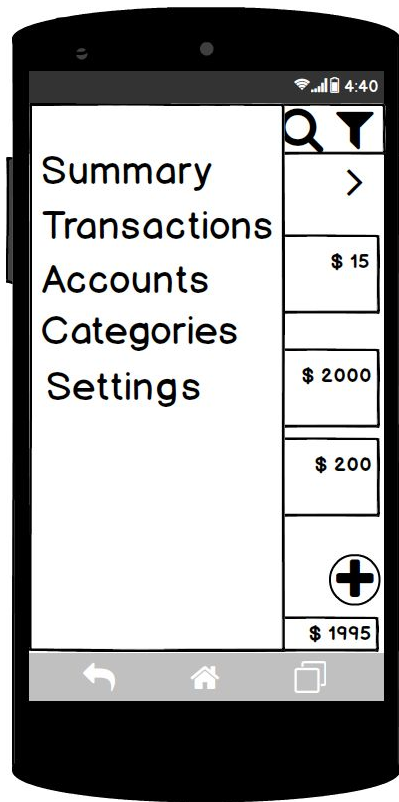
Features

This app's main features are.

- Save all expenses.
- Save all incomes.
- Save all transfers between accounts.
- Manage accounts.
- Manage expenses categories and income sources.
- User can see expenses summary. (Include home screen widget).
- User can quickly add expenses, income and transfer using app shortcut (only in Android 7).
- User can filter and search transactions.

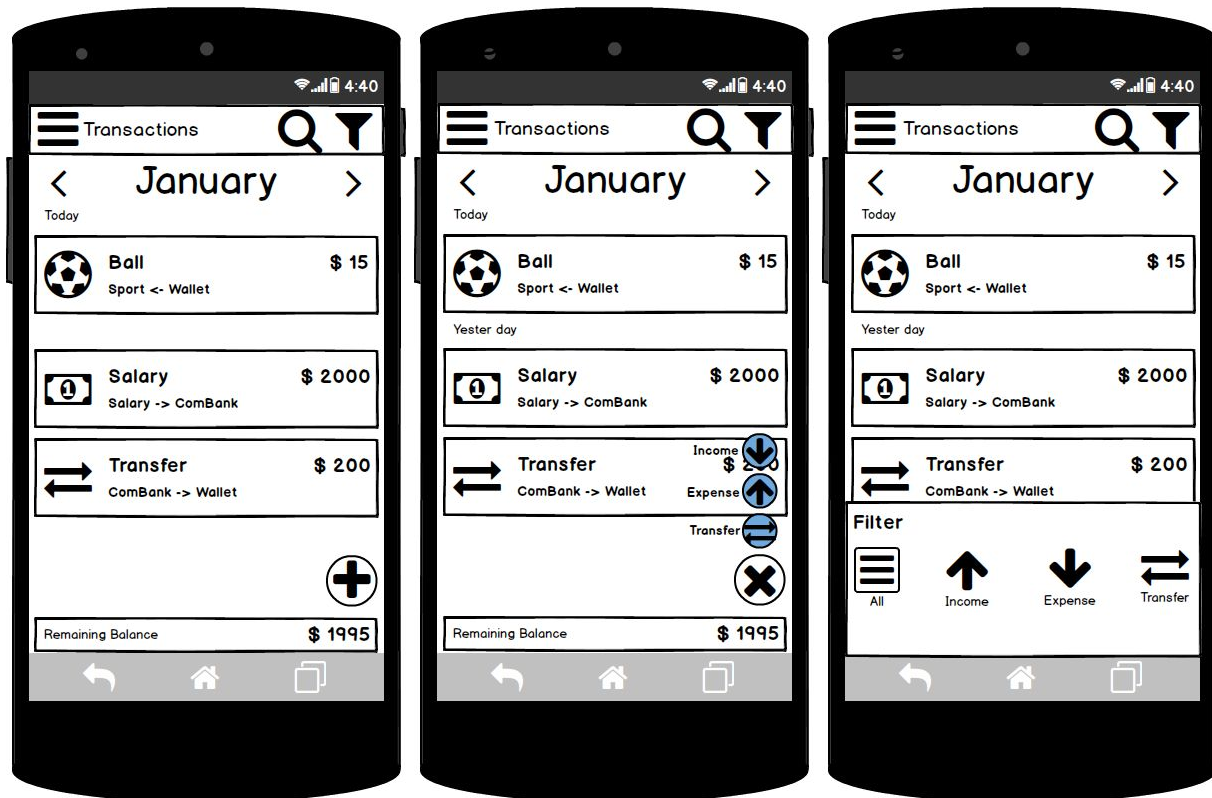
User Interface Mocks

Navigation



App's navigation drawer for easy and quick navigation through app's features.

Transactions Screen



This will show all the transactions done by user along with category, amount, account and icon. We can quickly add expense, income and transfer and also we can filter, search and see remaining balance of all account, total balance of expenses and income if we filtered those.

Fab implementation for adding expenses, income and transfers with quickly.

Transaction filter using bottom sheet for ease of use. And also user can search transactions.

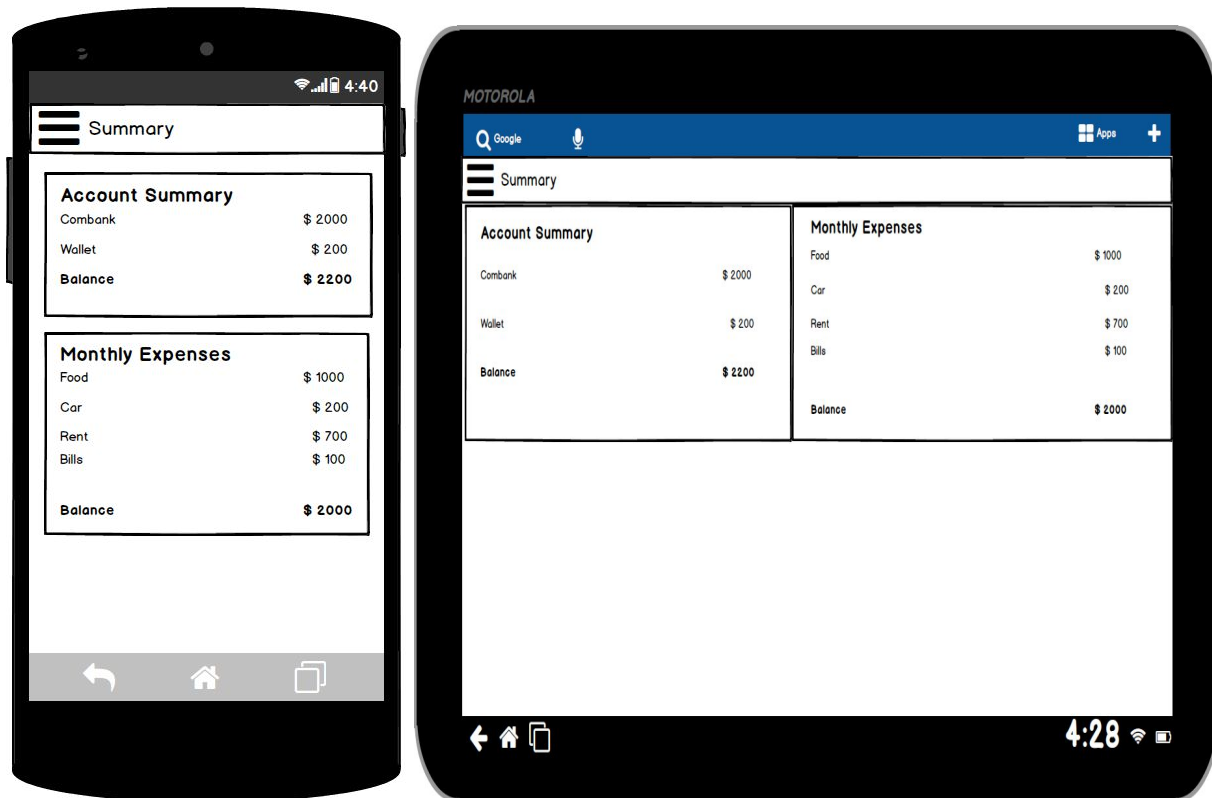
Transactions Add Screens



Screens for adding expense, adding income and adding transfer. These screens are reusable for edit and delete actions as well.

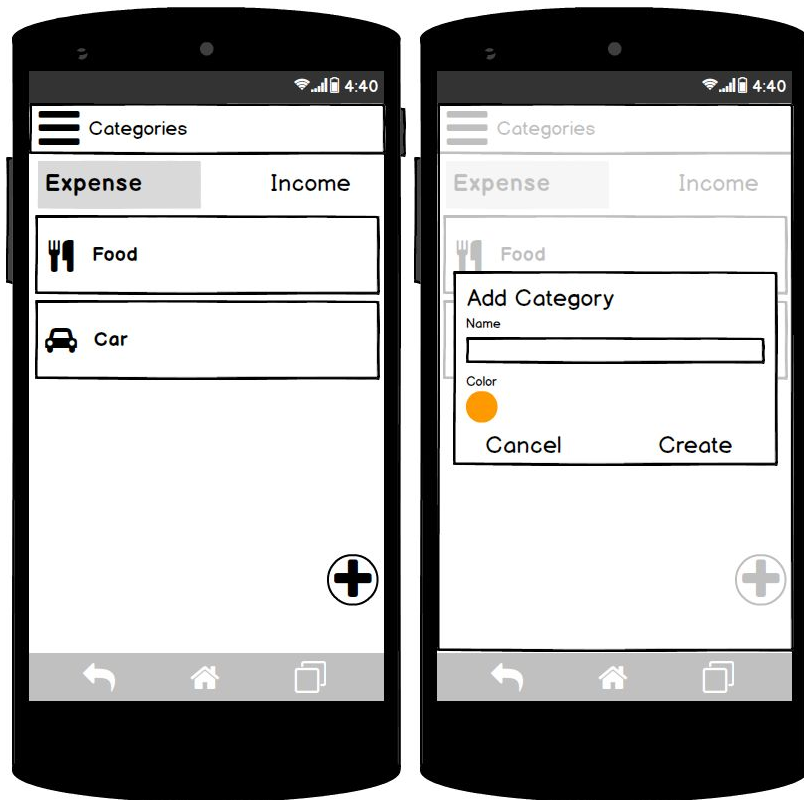
And also I am showing a banner ad on these screens. Since users visit this page more often, this will result in more revenue.

Summary Screen



Summary screen to show accounts summary and monthly expenses summary.
Landscape screen layout for summary.

Category Screen



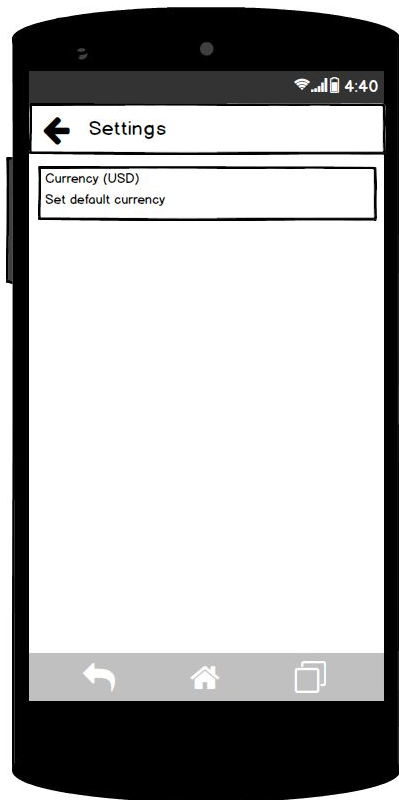
Screen for category management for both expenses and income.

Account Screen



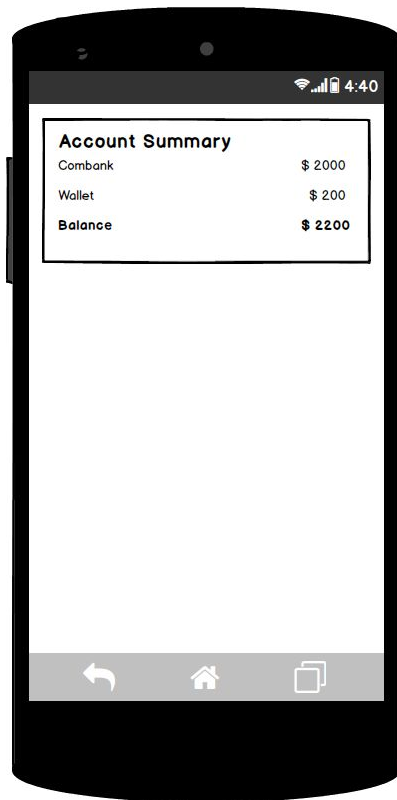
Screen for account management.

Settings Screen



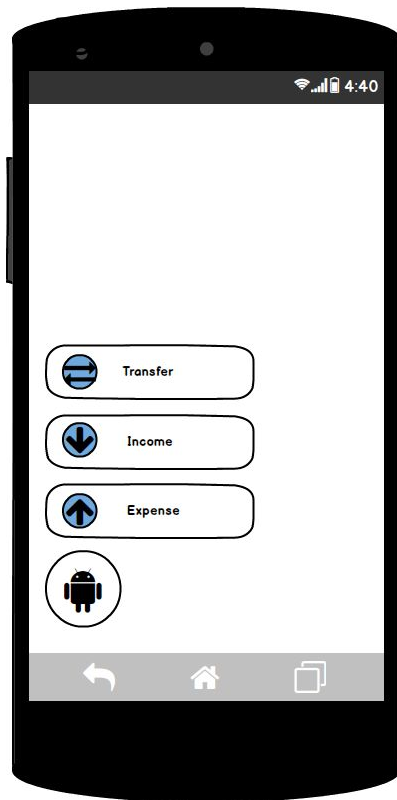
Setting screen for app.

Wedget



Home screen widget for showing account summary.

App Shortcut



App shortcut implementation for Android 7.

Key Considerations

How will your app handle data persistence?

I will create new Content Provider for my application and it will handle persistence. Setting and other things done by using shared preferences.

Describe any corner cases in the UX.

Basically this app will be using Material design principles to provide better and more attractive user engagement. This app will be leveraging new components of android framework like FAB, RecyclerView, Coordinator Layout, App Shortcut, NavigationDrawer, BottomSheet and etc...

FAB is using for quick and easily add transactions.

NavigationDrawer is using for quick and easy navigation of app's features.

App Widget for home screen is using for showing brief idea of user's account.

App shortcut for Android 7 will give very quick access to add transactions.

Using top navigation user can easily navigate through each month.

Filter implementations using BottomSheet will be provide very past accessible filtering facility.

Using search user can easily find particular entry providing matching text.

Describe any libraries you'll be using and share your reasoning for including them.

[ButterKnife](#) : will be using for view injection, It will get rid of findViewById and casting every and each view.

[Spectrum](#) : will be using for selecting color for category.

[FloatingActionButton](#) : will be use for expandable floating action buttons menu in main transaction screen.

Describe how you will implement Google Play Services.

Google Analytics : For tracking user engagement on app and do improvement based on those result.

Google AdMob : Monetize app and earn money showing relevant ads in app.

Next Steps: Required Tasks

Task 1: Project Setup

First I will create basic setup of project and upload it to github.

List of sub task

- Create basic project.
- Configure all the dependencies.
- Create app skeleton with navigation drawer.
- Upload to GitHub and start working on project.

Task 2: Transaction Screen

- Create main transaction view.
- Create transaction list with sample data.
- Implement filter.
- Implement search.

Task 3: Transaction Add Screen

- Create add screen for expense, income and transfer.
- Database implementation for save data.
- Implement content provider.

Task 4: Category Screen

- Create category screens.
- Create category add screens.

Task 5: Account Screen

- Create account screen.
- Create account add screen.

Task 6: Summary Screen

- Create summary screen.

Task 7: Setting Screen

- Create setting screen.

Task 8: Widget

- Create home screen widget.

Task 9: App Shortcut

- Create app shortcut.

Task 10: Implement Google Play services.

- Google AdMob integration.
- Google Analytics integration.

Task 11: Improve design.

- Handle landscape orientation.
- RTL support.
- Accessibility support.
- Add Transitions.

Task 12:Testing.

- Testing on various devices.
- Bug fixing.

Task 13:Deployment.

- Generate signed apk.