

Pynny

Mobile Budgeting Application

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Pynny

CATEGORIES

WALLETS

TRANSACTIONS

BUDGETS

VIEW REPORT

What is Pynny?

- Simple-to-use tracker for all spending
- Budgeting tool for setting goals and improving finances
- Tool for getting insight on where you spend money most/least
- Data-driven mobile application for integrated budgeting service

How it Works

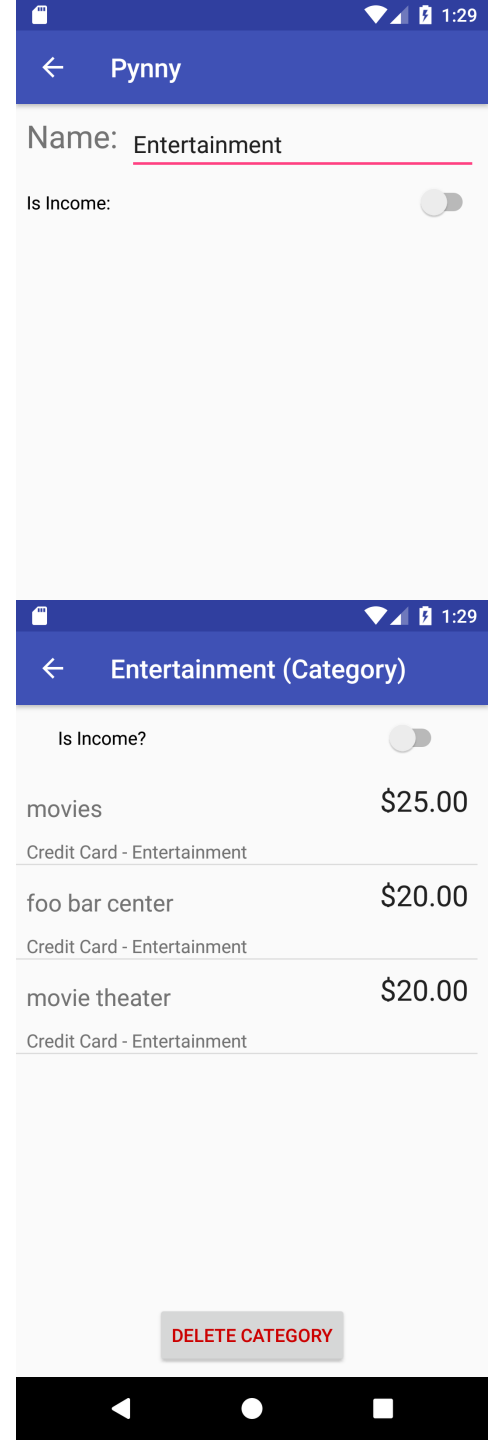
- Data is stored in SQLite database on the device
- Application interfaces connect to CRUD operations on the data
- Application interfaces fetch, display, or otherwise manipulate data to present it in a meaningful way

Data Models

- Wallet
 - A source of income/expenses (e.g. “checking” or “credit card”)
 - Maintains a balance
- Category
 - A named reference for organizing transactions (e.g. “Travel”)
 - Has *is Income* flag
- Transaction
 - Linked to a wallet and category
 - Stores an amount, description, and timestamp
- Budget
 - Linked to a wallet and category
 - Stores a goal and current balance

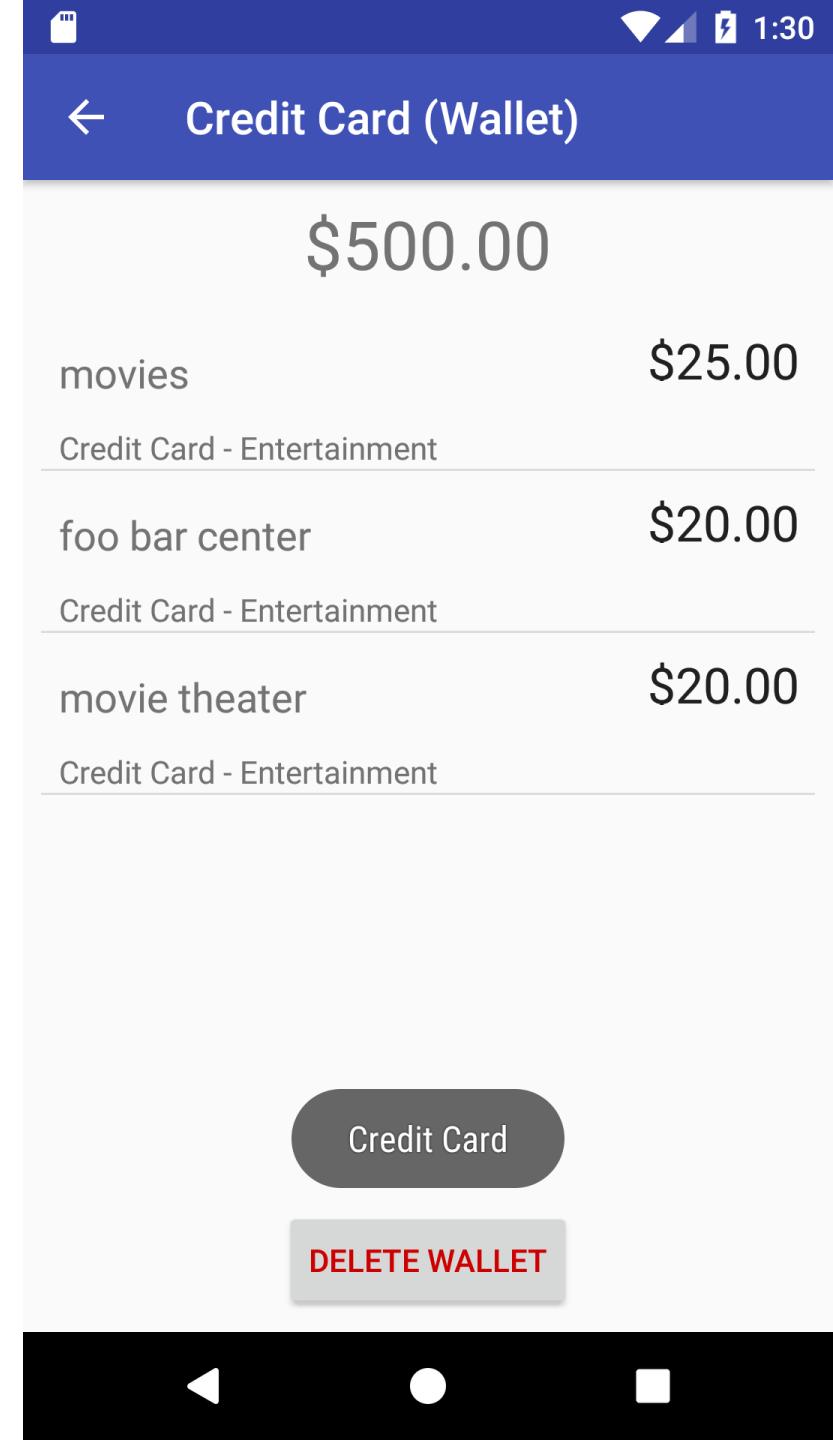
Categories

- Stores a name to organize transactions
- Used by budgets to track the currency flow for user-specified genres
- If category is for income (e.g. "Paycheck") positive transactions credit the wallet balance
- Looking at a single category shows the transactions for that category



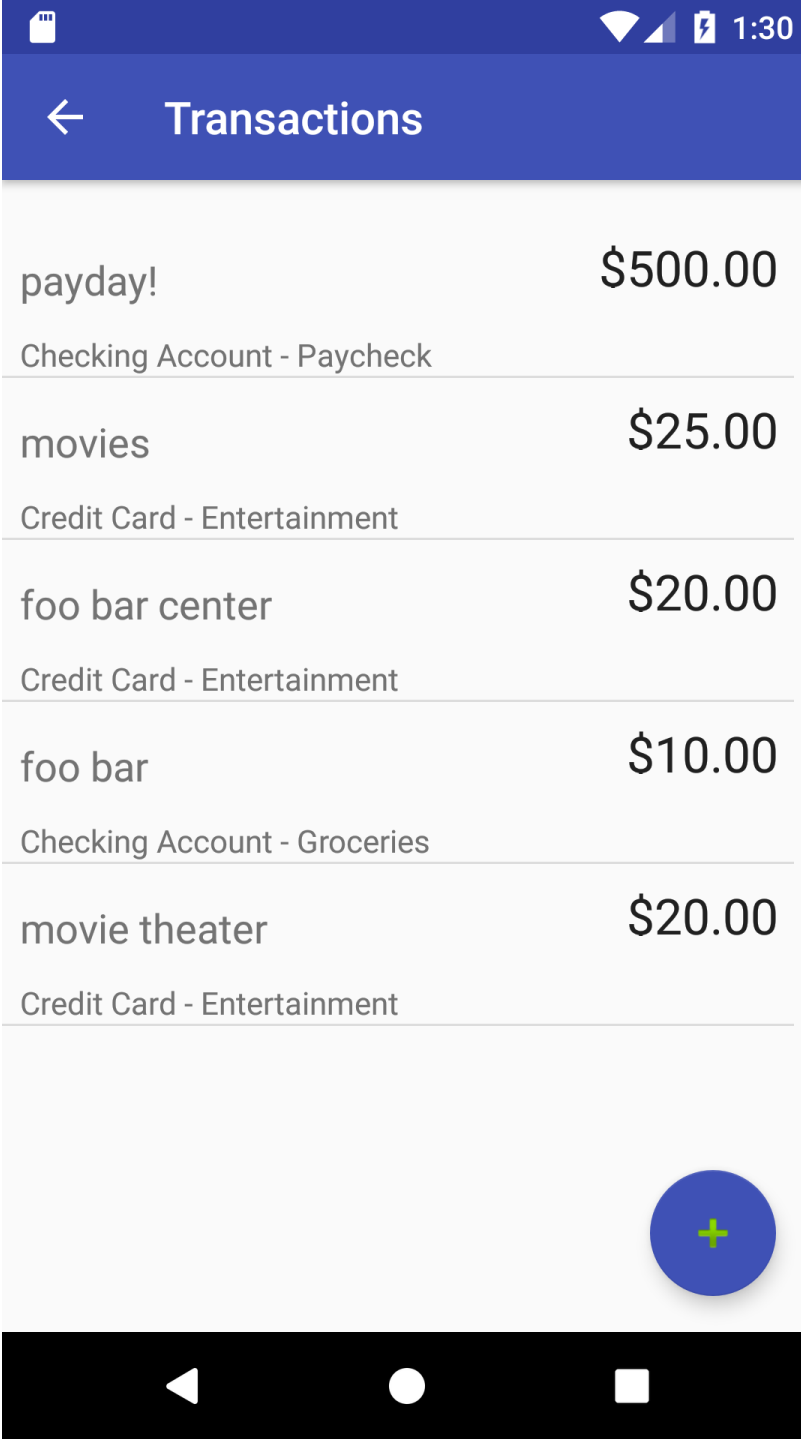
Wallets

- Stores a running balance
- Represents a single source of spending
- Looking at a single wallet shows transactions for that wallet



Transactions

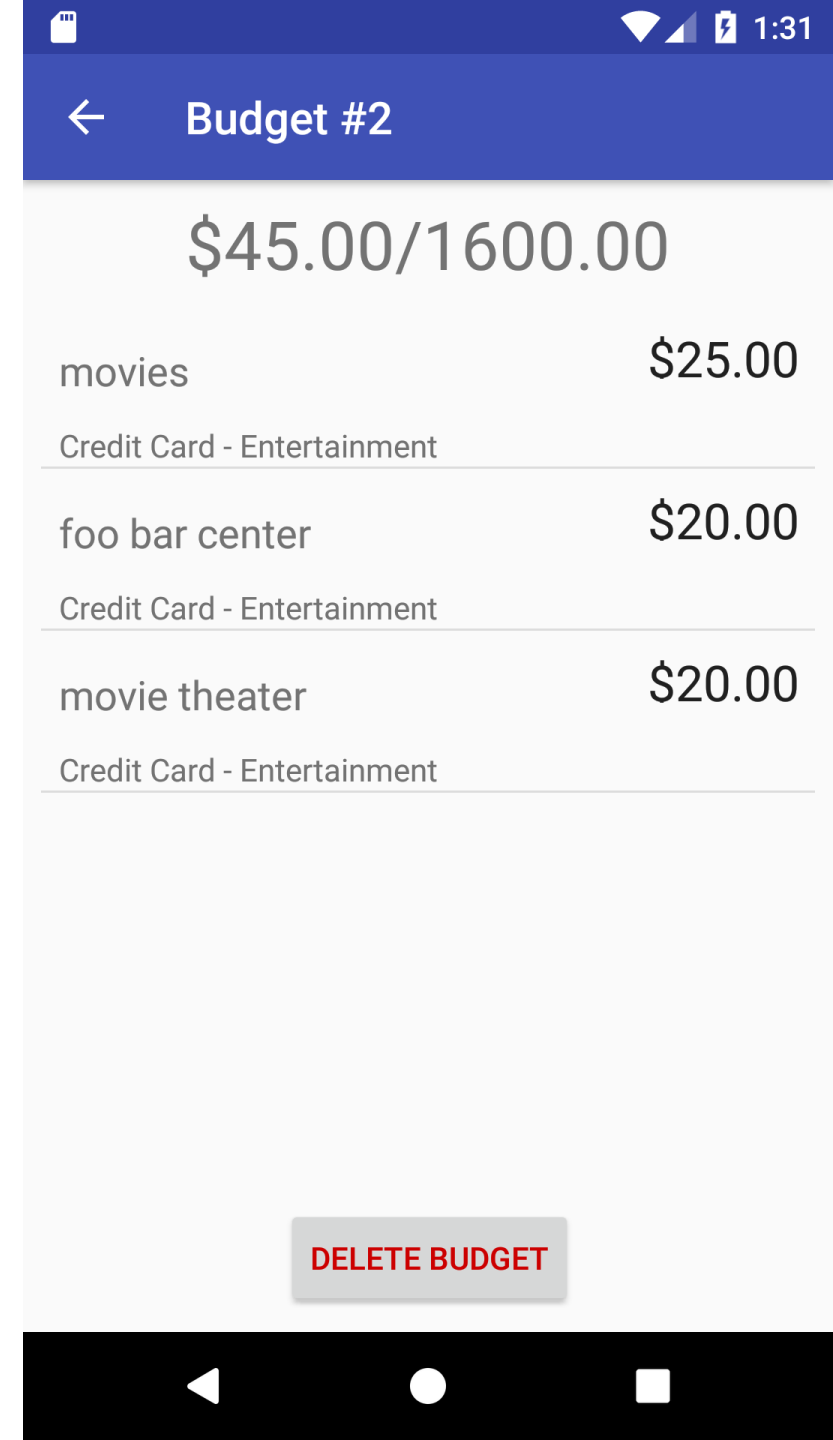
- An entry for a single income/expense
- Linked to a wallet, to affect
- Linked to a category for organization
- Contain an amount, description, and timestamp when transaction was made



payday!	\$500.00
Checking Account - Paycheck	
movies	\$25.00
Credit Card - Entertainment	
foo bar center	\$20.00
Credit Card - Entertainment	
foo bar	\$10.00
Checking Account - Groceries	
movie theater	\$20.00
Credit Card - Entertainment	

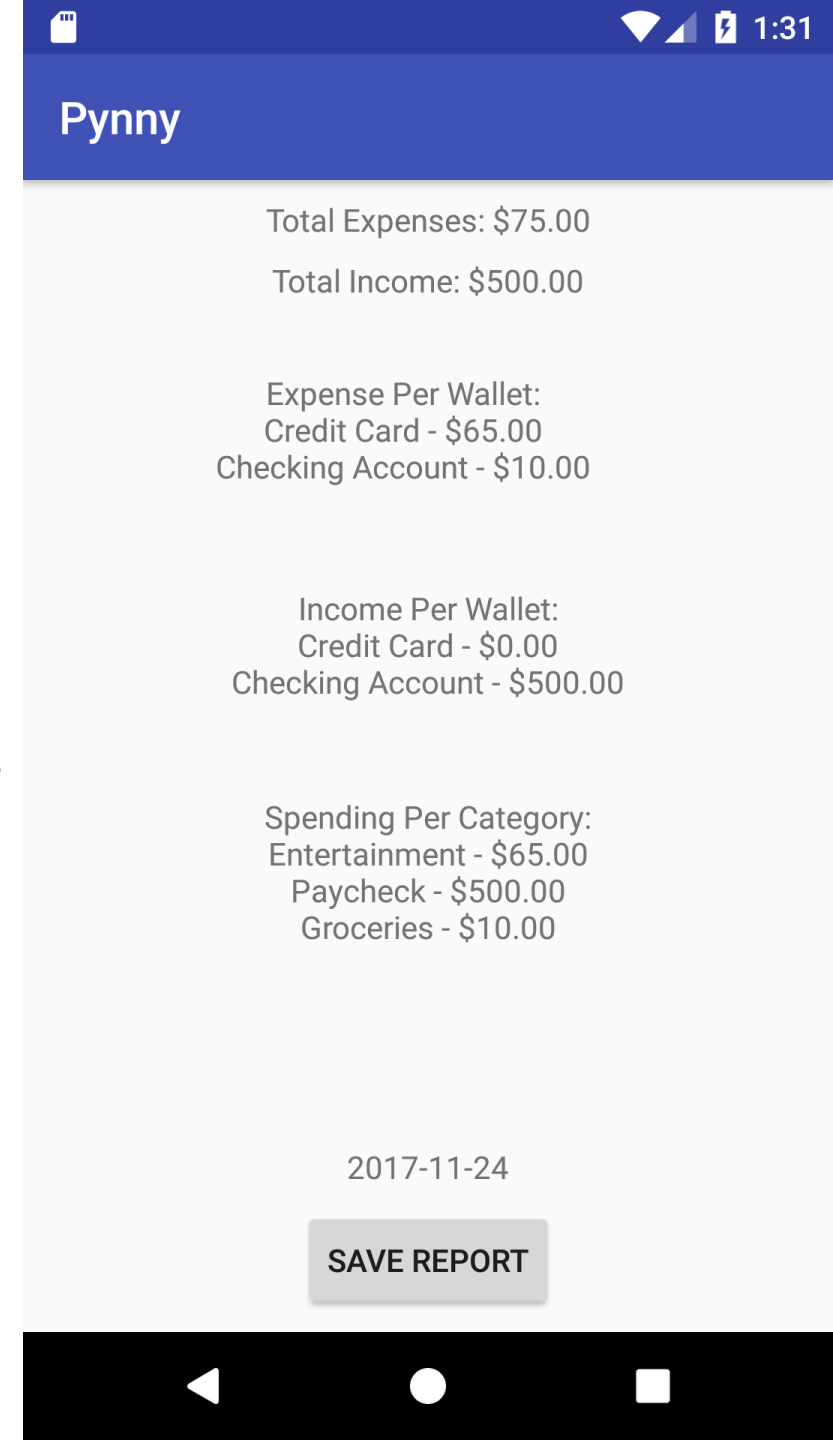
Budgets

- Maintains a goal and balance for combinations of wallets and categories
- Looking at a single budget shows the transactions affecting it



Reports

- Real-time-generated reports
- Provide summary of finances
- Useful for improving spending patterns
- Can serialize (save) to device



Future Features

- Data visualizations – charts and graphics along with reports
- View report history; view past reports
- Export reports to cloud storage (e.g. Google Drive, Dropbox, etc.)
- New report formats (CSV, PDF, etc.)
- Background service for automatic reporting and resetting budget balances at the end of the month
- Import/export of SQLite storage

Source Code

- Source code is available at <https://github.com/zcking/PynnyAndroid>
- New releases will be found on the **master** branch
- Future development available on **develop** branch, until future releases