



BALL STATE
UNIVERSITY

BudgetFlow

A low barrier to entry budgeting application for new savers.

Designed by

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Summary:

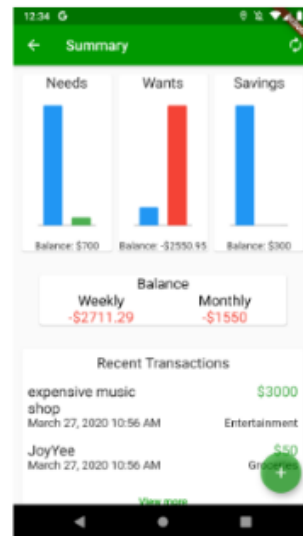
Accutech is a financial software company that deals in savings, investments and trust funds. After the recent acquisition of Money Tree, Accutech had sought to build a mobile app to help expand their prospects. With a clientele that have net worth close to a million dollars, we were tasked with building a mobile application which can help encourage people whom have not started saving to help start develop habits to save.

Overview:

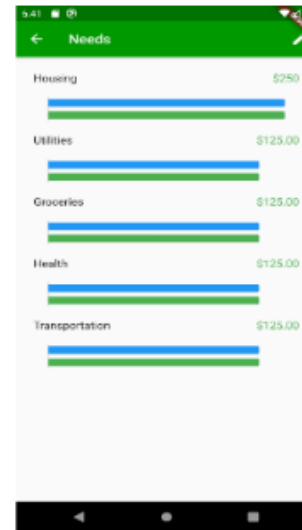
The application allows for a monthly budget to be created based on two factors; rent and monthly. With these variables the system develops a monthly budget allocating to three different main categories. Based on how much monthly income one has remaining, the software allocates to the three different categories using the principal '50-20-30' split for Needs, Savings and Wants from financial principals. Based on the severity of how badly one's situation is, the split will alter, using interactive methods to encourage the user to pursue a better financial standing.

Conclusion

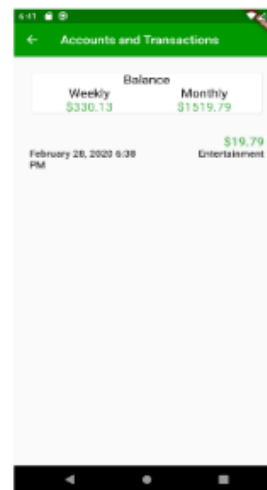
We had learned valuable lessons in terms of adaptability, personal initiative and to programmatically design with a understanding with when a feature can be considered done. Over the past two semesters, we had all learned the importance of communication and collaboration to approach tasks. The project has many long hours of work behind it due to us taking the personal initiative to work on it together. There were many situations where we had to go back and redevelop portions of the software as we were not satisfied as to how they were developed. Overall the experience taught us to hold ourselves to a higher standard, to design things well.



Application Home Screen



A Category breakdown



Transaction History

Tech Stack

- IDE: Android Studios**
Used IDE in order to develop a mobile application in tandem with IOS while remaining Native.
- Language: Dart**
Used in order to access the Flutter Framework.
- Framework: Flutter**
Used in order to simultaneously develop for IOS and Android rather than have two versions.

- ✓ **Feature 1: Dynamic Budgeting**
Your budget adjusts to your current financial situation, helping you slowly become able to save
- ✓ **Feature 2: Transaction Recording**
The application allows you to keep track of your transactions in order to
- ✓ **Feature 3: Location based budget tracking**
The application keeps track of location for their transaction, letting the user know their balance on future visits.
- ✓ **Feature 4: Account Integration**
The application has the means to link to a bank account, allowing users to monitor their personal fund much better
- ✓ **Feature 5: Gamification**
The application comes with an achievement system which are designed to help users develop saving habits through using the application.