



BALL STATE UNIVERSITY

BudgetFlow

A low barrier to entry budgeting application for new savers.

Team Members

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Mentored by

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Summary:

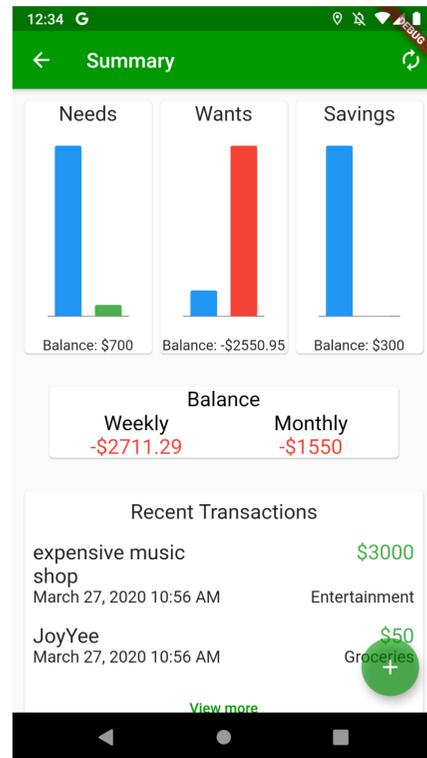
Accutech is a financial software company that deals in financial trust accounting software. Through an acquisition of MoneyTree Software, Accutech had sought to expand their prospects. This expansion includes reaching to a new audience. We were tasked with building a mobile application which can help encourage people whom have not started saving to help start develop habits to save. This project is a step to help Delaware County become the most financially literate county in the United States.

Overview:

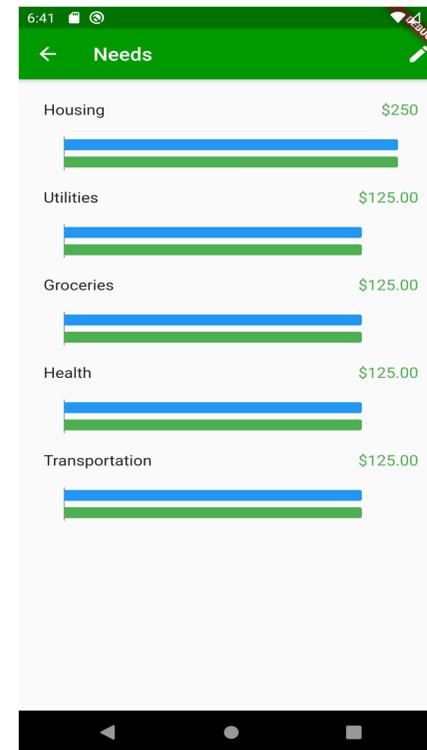
The application allows for a monthly budget to be created based on two factors; rent and monthly income. With these variables the system develops a monthly budget allocating money to three different main priorities. Based on how much monthly income one has remaining, the software allocates to the three priorities using the principle '50-20-30' split for needs, savings and wants. Each priority has categories of spending within them that also have their own allocations. Depending on the severity of how badly one's situation is, the split will change and use interactive methods to encourage the user to pursue a better financial standing.

Conclusion

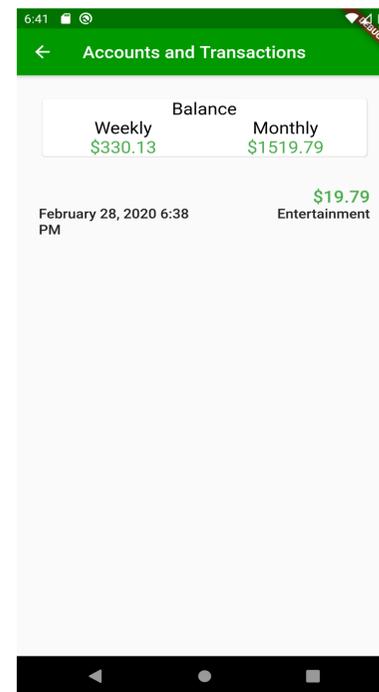
We had learned valuable lessons in terms of adaptability, personal initiative and to programatically design with a understanding with when a feature can be considered done. Over the past two semesters, we had all learned the importance of communication and collaboration to approach tasks. The project 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 Breakddown



Transaction History

Tech Stack



IDE: Andriod 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. It was first introduced in 2011 and was developed by Google.



Framework: Flutter

Developed by Google to deploy to Android and iOS through the same codebase.

The Features

Feature 1: Low Barrier

All that is needed for a budget is your monthly income and your housing cost and we will auto generate a budget for you.

Feature 2: Dynamic Budgeting

Your budget adjusts to your current financial situation, helping you slowly become able to save.

Feature 3: Achievements

The application comes with an achievement system which are designed to help users develop saving habits.

Feature 4: Transaction Recording

The application allows you to keep track of your transactions and add new ones.

Feature 5: Location based Budget Tracking

The application keeps track of location for their transatction, 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.