



NORTHERN ARIZONA  
UNIVERSITY

*College of Engineering, Forestry & Natural Sciences*

SCHOOL OF INFORMATICS, COMPUTING, AND CYBER SYSTEMS

Title: Budget Tracker  
Group 18; Deliverable 1.1

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February 7, 2016  
CS 386 Software Engineering, Spring.  
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**Project Proposal:**

Creation of a budget tracking system that allows the user to budget according to categories such as Food, Gas, Fun, .. etc. The program would let users see exactly how much they have spent and how much they saved in each category allowing them to keep better track of their finances. The System will display the balances they have used for that week and how much they have left depending on their initial weekly balance. By the end of the week the system will display how much they saved on certain categories and how much extra they went over their initial limit, and allow them to modify their spending power if they want to.

**Possible Issues:**

When creating a banking system the primary concern is always data security. In order for our application to be successful it must have access to a person's bank account transaction history. This can pose some serious security related problems. To overcome this we will research the methods of apps such as Venmo and PayPal to learn how they handle banking data. For the purposes of our prototype, assuming we cannot overcome the aforementioned hurdle, we may simulate bank account transactions in a data file for our app to read in and process. Furthermore it would be nice for our app to decipher what each transaction applies to categorically. Obviously our prototype will have limited functionality, however if we could program our system to recognize some transactions as food, gas, or recreational then we could begin to see how a full implementation may work.

**Group Participation:**

- Parth Patel: Helped with proposal and meeting deliverable format.
- Taylor Walker: Helped with proposal and meeting deliverable format.
- Joe Griffith: Helped With proposal and meeting deliverable format.
- Abraham Ramirez: Helped with proposal and meeting deliverable format.

**GitHub Link:** <https://github.com/jpg96/CS386-Group-18-Project->