

CSCI 4237 Project Proposal

Tab_It

October 12th, 2012

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Project Abstract

This application will be an ongoing tab between smartphone users. In real life situations, there are many times when Person A may lend money to Person B because it is convenient at a certain place and place. Over a long term, the amount of money Person B owes Person A may add up to be a lot of money, simply forgotten about because of the small value of each individual loan. This app will keep track of all money transactions so no transaction is forgotten.

Strategy

My strategy for this application is to link each user with an ID. They then will be able to start an “account” or “balance” with another user by typing in their ID (or possible by taking a picture of user’s QR code). Following, either user will be able to enter a transaction that will be continuous for their account. When one user enters a transaction, the other user will have to approve. Probably not possible right now but in the future hopefully money transfers using debit cards will work to transfer funds to other users’ accounts.

Unknowns & Problems

The main unknown for me is storing data on a separate system. I understand how apps work when the one individually, but I haven’t learned much about apps that work together with other users using the same app on a different phone.

Implementation Plan

I plan to implement this by working bottom up. I will try to create classes/objects such as users and transactions, and then build on that to make it functional. I will have to do a lot of research on storing data for this app using databases and such because my experience with those are limited.