

Project Proposal

Project Statement

One of the day-to-day problems, the blind people facing is differentiate credit card from multiple banks. For example, say if a blind want to use a chase card instead of a pefcu. In this proposal, a high level design of an application on a mobile device that can help blind people to determine which card he/she wants to use will be presented as well as some extra features that is related to the management of a blind person's banking needs.

Design

The blind person will first have to take a picture of either the front or the back side of a credit card. Then the app will send the picture to the cloud, do the computation, return the result to the mobile device and announce the name of the card to the blind person.

What has been done?[1][2]

There are many banking apps available to the public already and they are pretty well-featured. Such as, JP Morgan Chase's "QuickDeposit"[3] and "QuickPay", StateFarm Bank's "Pocket Agent" and MasterCasrd's "Priceless Picks" and "Overwhelming Offers". For instance, the "QuickDeposit" allow user to deposit physical checks into their bank accounts by simply taking pictures of the front and back of checks with their iPhones.

Further expansion

We can further expand this app to allow the blind person to access his/her online bank accounts and let the mobile device read the balance in his/her checking and saving account to him/her. Then the blind person will be able to keep track of his balance without going into too much trouble.

Reference

[1]http://www.americanbanker.com/btn_issues/23_10/the-five-best-mobile-apps-now-1026278-1.html

[2]http://www.pcworld.com/article/206649/paypal_debuts_check_deposits_via_iphone_app.html?tk=hp_new

[3] <http://www.droidforums.net/forum/droid-applications/62562-chase-quick-deposit-app.html>