Android Study Jam

APPLICATION NAME: HASHTRACE

By Otieno Rowland | Udacity- Android Fundamentals |

INTRODUCTION

HasTrace is an android application that enables users to track down tweets with specific hashtags, from specific users and specific time span in a particular order. Users can query for the tweets with a particular #Hashtag by providing a value in the settings from which the search query is built and sent to the Twitter API for retrieval.

Other cool features of the application include:-

- Ability to favorite tweets – these are special tweets which will be stored in users SQLite database for future reference and retrieval on demand by the user.
- Tweet notification – users can set preference to be notified when the specific tweets with specific hashtags, and or from specific users at a postdated time span are detected. This will sync automatically if allowed.
- Cool pull to refresh feature - With sync service in the background as seen in the screen shot.
- AccountAuthentication and AccountSyncService - for syncing in the background service.
- Preference Settings – for custom user preferences
- Cool user interface.
- Graphs of tweet data – custom graph is available for the user of application to analytically view the tweet behavior over a particular time span. For example if the user sets
  - ❖ No. of tweets of Hashtag vs. Date
  - ❖ No. of tweets of Hashtag vs. No. of users engaged with Hashtag etc.

Screen Shots

Fig 1.0 Graph Analysis: Retweets vs. Date

Fig 1.1 Preference Settings: Hashtag
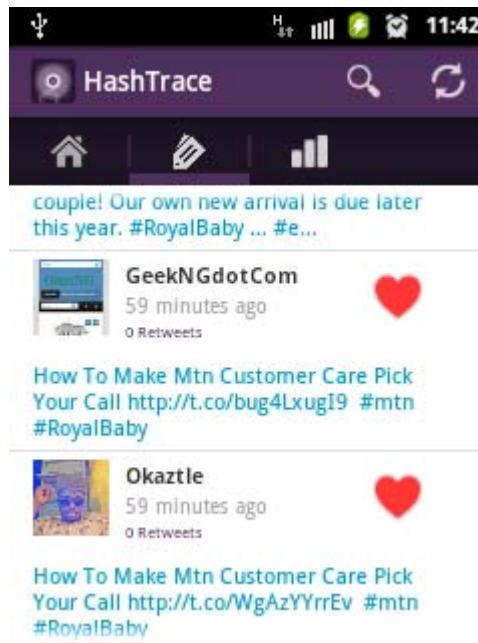
Fig 1.3 Cool Pull-to-Refresh feature

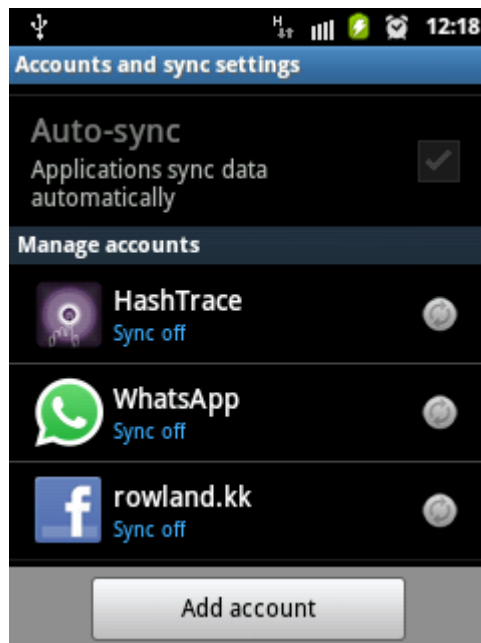Fig 1.4 Favorite tweets, unique in red
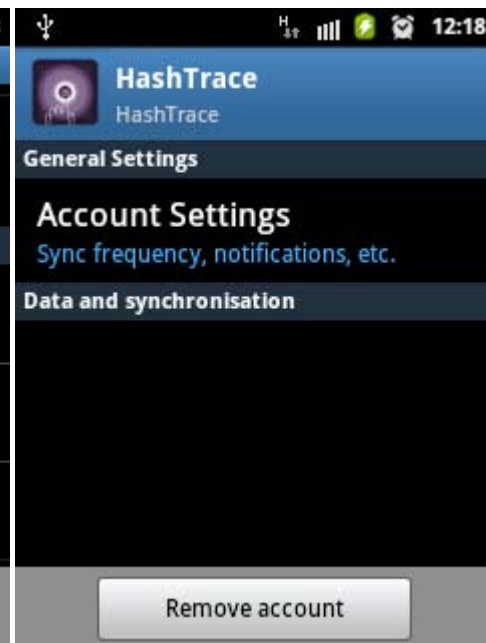

Fig 1.5 AccountAuthenticationService

Fig 1.6 Account Settings

PROBLEM STATEMENT

The problem this application tries to solve is the lack of thorough and specific applications to track tweets effectively without having to own a twitter account. It does not require user information and can be used immediately after installation.

The target users include:-

- Corporate brands on twitter who would like to monitor tweets about their brands.
- Events where top users i.e. with most tweets is desired more so for reward.
- Non- twitter users who would love to know why a hashtag is trending.
- Broadcast media with need for sorting user tweets on topics of interest.

DATE OF PUBLICATION

Application will be published in the Playstore in a weeks' time – 5/30/2015