Tuna Summary Documentation

version Coconut (Alpha)

Main Controls

TunaApp - extends application
This is our connection from our application to our provider. We use the TunaApp because it would be redundant to have our application make multiple connections to the provider in other classes. Think of this as the gateway to our thread.

Provider - extends service
Our main thread (sync every x minutes), simply loops through these methods. We connect to this provider, through TunaApp seperately from the thread, whenever we need to make seperate read/writes from our sync thread.

ProfileAccess – Singleton class for profile DB connections
Login and Register with Tuna Server using G+ ID(GLoading.class). Reads/Writes profile information to/from sqlite database locally.

GroupAccess – Singleton class for Group database connections
 Add/Edit/Remove groups from database. Add/edit/remove contacts from database. Read/write all contacts/groups from database. Read all contacts on phone's SIM.

ImageAccess – Singleton class for Image database connections
Read/write images to and from database. Read/write albums to and from database. Edit/Remove Albums + images from database. Send/receive albums and images from tuna server

SyncAccess – Singleton class for all sync between tuna server
Send/receive contacts and groups from tuna server.

NetworkAccess – Singleton class for checking network connections
Check the network connection to see if it's available, try connecting to tuna. Broadcast result.

Sqlite Database Provider

Tunadatabase – creates database with all tables and columns.

Tunadatamodel – our database table objects. Everytime we need to access a column name or a table we use the tunadatamodel as it's much more efficient than writing each column thousands of times.

Tunaprovider - Our interface between our application and the database, for: queries, inserts, deletes.

User Data List Activities

MainList - Lists all contacts from phone SIM with a phone number

Options to create group. Select contact for additional SMS/Phone Dialog

LifeGroupList – Lists all user created groups.

Options for: Edit, Remove, Create

LifeContactList – Lists all contacts in group X

Options for: Edit, Remove, Add. Select a contact for additional SMS/Phone Dialog

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AlbumList – Lists all user create albums.

Options for: Edit, Remove, Add

Gallery - Lists all images in album X

Options for: Edit, Remove, Add. Select an Image to view it larger in a slideshow.

User Data Objects

User – contains the profile and preference information for the application's user.

DATA: String userToken, String userGID, String userGName, String userProfile, String userImgUrl, String userLocation

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Contact – contains the details for a single person in a user's life.

DATA: Integer ID, Integer GroupID, String Name, String Email, String Phone, boolean Selected

Group – contains all the contacts in specific organized group. Quick add/remove/edit contact methods

DATA: Integer ID, String Name, Integer Size, String syncDate, String syncTime, ArrayList<Contact> People, boolean selected

LifeGroup – contains all the groups in a persons life. Quick Add/remove/edit group methods

DATA: ArrayList<Group> groups, Integer groupSize, Integer LAST_GROUPID,

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Photo – contains the details for a single captured image.

DATA: String: ID, AlbumID, Type, Name, username, userID, albumID, Title, Description, uploadTime, uploadDate; boolean: synced, selected.

Album – contains all the photos in a specific organized group. Quick add/remove/edit image methods

DATA: String ID, String authorID, String albName, ArrayList<Photo> photos, String syncdate