

## Source/Layout Organization

Key:

- ❖ Package
- ❖ Folder
- Class
- Layout
- Description

### Source Organization

- ❖ Login
  - LoginActivity - Controls all login activity, package communicator. No action bar.
  - LoginFragment - First screen upon opening program, login, create user, recover account buttons.
  - CreateAccountFragment - When create account button is pressed go here. Allows user to create an account. Auto-login.
  - RecoverAccountFragment - Allows user to recover lost passwords.
  - RecoveryHandler - Handles emails regarding recovering lost passwords.
- ❖ Main
  - MainActivity - Controls all main activity, package communicator.
    - ❖ Party
      - PartyFragment - Contains list of parties, clicking them leads to PartyDetailFragment
      - CreatePartyFragment - Accessed by clicking + on action bar while viewing PartyFragment
      - PartyDetailFragment - Shows friends at party, party address, open in maps button, attendees, general details
    - ❖ Friend
      - FriendFragment - Contains list of friends, clicking them leads to FriendDetailFragment
      - CreateFriendFragment - Accessed by clicking + on action bar while viewing FriendFragment
      - FriendDetailFragment - Shows details about clicked friend
    - ❖ Map
      - MapFragment - Displays google map
      - MapController - Controls map view, populates parties, handles clicks
      - GoogleMaps - Handles querying google maps and talking to google play library
- ❖ Settings
  - SettingsActivity - Controls all settings activity, package communicator
  - SettingsFragment - Allows user to change personal settings, logout
- ❖ Database
  - ❖ TokenVendingMachine
    - TVMClasses... - Classes to handle all TVM functions
  - DatabaseHandler - Package communicator. One instance on each activity will allow database interaction.
- ❖ UserData
  - UserAccount - Package Communicator, Holds all user data, friends, parties, created parties, etc.
  - Friend - Template for a friend object
  - Party - Template for a party object
- ❖ Program
  - Program - Package communicator, allows retrieval and writing to constants and shared preference file.
  - Constants - Contains all program constants. All constants now in resources
  - SharedPreferencesHandler - Allows reading and writing to local data

Activities: Package Communicators, Communicate With Other Package Communicators and Child Fragments

Fragments: Inflate UI, Handle Local Methods, Communicate With Parent Package

### Layout Organization

- ❖ login
  - activity\_login
  - fragment\_login
  - fragment\_createaccount
  - fragment\_recoveraccount
- ❖ main
  - activity\_main
    - ❖ party
      - fragment\_party
      - fragment\_createparty
      - fragment\_partydetail
    - ❖ friend
      - fragment\_friend
      - fragment\_createfriend
      - fragment\_frienddetail
    - ❖ map
      - fragment\_map
- ❖ settings
  - activity\_settings
  - fragment\_settings

