Pre-Launch To Do List

Key

* Red – must be done before beta launch
* Orange – should be done before v1.0 launch
* Green – should be done by v1.1 launch
* Black – code snippet or elaboration, not a to do list item

Improvements/Fixes

* Coding style
  + Going forward, add comments for each block of functionality
    - E.g. In –setBitmapInViewToFalse( ) in SentLinksFragment.java
  + Follow coding conventions
    - See LinkMeUp-Android README
* Overall UX
  + Need smooth transitions (i.e. new screens should slide in from right)
    - E.g. Search Screen -> Search Results Screen, Inbox -> Link, etc.
    - Back button transitions
* Application start up
  + Register Installation in Parse on app launch
    - Add user info to Installation after user logs in or signs up
  + Track app opens with PFAnalytics (should be 1 line of code)
    - ParseAnalytics.trackAppOpenedInBackground(Intent intent)
  + New users should be taken to Inbox tab, old users to Send Link tab
    - Want to show new users master links
    - Want to let existing users send videos as fast as possible
* Data updates
  + Data is not being updated automatically every 1 minute
    - Data model should post notification ‘didFinishLoadingConnections’ when connections data loads
      * Friends Select Frag listens for this notification & reloads table
      * Friends Tab listens for this notifications & reloads table
    - Data model should post notifications ‘didFinishLoadingSentLinks’ and ‘didFinishLoadingReceivedLinks’ when respective link data loads
      * Sent Links Fragment listens for 1st notification & reloads table
      * Rec Links Fragment listens for 2nd notification & reloads table
  + Data should be reloaded every time app goes from background -> active
    - This is a good place to set 1 minute data reloads
* Address book
  + Check phone number comparison logic
    - Phone numbers in Parse have # sign + country code, but phone numbers in people’s address book generally don’t (i.e. for int’l users)
    - These numbers should still count as a match
* Login Screen
  + Make “Log in” and “Sign up” buttons green
  + Pressing outside text fields should dismiss keyboard
* Signup Screen
  + Make “Create Account” button green
  + Screen spacing - move up username/password/emails fields
  + Pressing outside text fields should dismiss keyboard
* Forgot Password Screen
  + Caption needs to be in dark text
  + “Submit” button needs to be green
* Launch Screen
  + Check that background resizes appropriately to fit different screen sizes
* Signup with Facebook
  + Facebook\_id and name fields should be set (in addition to name field)
* Signup Flow
  + General
    - Set mobileVerified field in Parse
      * Set to FALSE right after new account is created
      * Set to TRUE right after number is verified
    - Buttons (“Send Code”, “Verify Code”, “Continue”) need to have 2 states
      * Disabled (faded out) if no number entered
      * Enabled (teal background, white outline) if number entered
    - By pressing back repeatedly from any screen in flow, can bypass verification altogether (user is welcomed and app launches)
    - Text fields (Mobile Number, Verification Code)...
      * Should be taller
      * Should not allow user to enter “\n” or non-numeric characters
        + Consider changing to digit-only keypad
      * Correspondence between cursor and keyboard should exist
        + If keyboard not present, cursor should not be either
  + Verification Screen
    - “Enter” should not be capitalized in “Please Enter the code you received”
    - Pressing “Send Code” (after number manually filled) crashed app
      * Noticed this 3 times so far - get stack trace
    - Add hyperlink to list of country codes
  + Find Contacts Screen
    - Consider using bigger screenshot (more contacts) of contact list
  + Master links
    - videoChannel, videoDuration, videoViews, annotation are not set
    - In AddressBookExplanationFragment.java
      * Do not manually set message + name fields in firstMessage (Links should first be duplicated)
    - Logic for when these links are generated may not be quite correct
      * Created account “Samvit” on Android phone -> 5 links
      * Opened “Samvit” account on iPhone -> added 5 more links
* Send Link Tab
  + Search Screen
    - Correspondence between cursor presence and keyboard should hold
      * If keyboard is not present, cursor should not be in search bar
    - Need cancel button (small “x”) in search bar
    - If user taps outside search bar / results table when table is present…
      * Search results table is hidden (good!)
      * Keyboard should also be dismissed
    - When a user selects an autocomplete result…
      * The result should be copied into the search bar so the user knows what they just searched for
      * Show Search Results Screen after 0.3 seconds delay
    - Autocomplete results should only be displayed if…
      * Current search bar text matches query term
      * (This might already be the case – confirm)
    - When user enters text and autocomplete results are loading…
      * Empty table with rotating activity indicator should be present
    - Clicking ‘done’ button in keyboard should launch search
      * In some cases, this IS happening
      * In other cases, app hangs or crashes
    - After sending a link and returning to Search Screen…
      * Search bar should be cleared/reset
  + Search Results Screen
    - Video title labels should be fixed length (truncate long titles)
    - When user clicks on “Add Message”
      * Screen content animation is very clunky
      * There is not enough gap between the cursor and the keyboard
        + “Add Message” text field should be higher in the screen
      * Annotation should be limited to CHAR\_LIMIT = 75 characters
      * User should not be allowed to enter return key
      * Only content below tab bar (i.e. the Search Results fragment) should be moved up (not the entire screen)
    - Display activity indicator while search results are loading
    - When the play button on a video thumbnail is pressed
      * Activity indicator should be displayed on thumbnail
        + Otherwise, app looks unresponsive
      * Clicking outside video should stop/hide video
    - Selecting videos
      * Green border instead of gray highlight
      * Video should be centered in selection area
    - Check that YouTube query type is ‘syndicated’
      * Do not want videos not playable on mobile
    - Check that all video data is being queried for/stored
      * Video id, title, channel, views, duration, default thumbnail
      * (videoViews currently hardcoded to 100; videoDuration to 10)
    - Test memory usage of this screen
      * Set number of search results displayed based on device (fewer results on smaller/cheaper devices)
  + Select Contacts Screen
    - Make sure all link properties are being set
      * isText, isSong, user annotation
      * Video data – title, art, videoId, videoChannel, videoViews, videoDuration
    - Selecting SMS contacts after selecting LMU users shouldn’t be allowed
      * Link can be sent to LMU users OR text contacts, but not both
    - If SMS link is successfully sent
      * Take user to Inbox tab
      * Display sent link (currently missing)
    - If a contact is selected and then deselected…
      * Pressing Send Link button should not take user to Inbox
    - Content of SMS message body
      * If no user annotation
        + SMS text: "<video-title> - www.youtube.com/watch?v=<video-id>"
      * Otherwise
        + SMS text: "<user-message>: www.youtube.com/watch?v=<video-id>"
      * Append "\n\nSent via LinkMeUp (www.linkmeupmessenger.com)" to end
    - Long contact names should be truncated
    - Table cells should be taller (maybe 1.5 times current height)
    - SMS recipient phone number
      * First mobile number specified in address book
      * Do NOT include home phone numbers
    - Selecting contact should highlight whole cell (not just tick checkbox)
    - Before sending a link
      * Set isText field on link
      * For each contact in selected recipients
        + Add contact to front of recentRecipients
        + Set receiverData for contact

If recipient is a user

(Android code is correct for this case)

If recipient is not a user

Set “identity”: “mobile contact”

“name”: “Text sent to %s”

“messages”: [firstMessage]

No other *receiver*Data fields necessary

Save my recentRecipients field in Parse

Save link in Parse

If sent to LMU users

Send push notifs to recipients

Clear video data from app

Reload sent links

* + - Add “LinkMeUp Users” section if less than 10 LMU contacts
      * New users need to see ‘send to self’ option at top of table
      * Want to emphasize sending to LinkMeUp users
    - (Consider) Send SMS without bringing up Android SMS interface
* Inbox Tab
  + Inbox Screen
    - General
      * After sending a link, it should be clearer that a link/which link was just sent (i.e. show activity indicator)
      * Hardcoded limits on number of sent/received links (i.e. 30 & 10) need to be removed
      * Going from Inbox -> Link -> Inbox, the screen title needs to change back to “Inbox” (it remains stuck at “Link”)
    - Sent Links Table
      * Contact label: comma separated list of recipient names
        + This needs to be fixed for links that were just sent (Links loaded from Parse are fine)
      * Date label: lastReceiverUpdateTime, NOT updatedAt
        + See function –loadSentLinks( ) in Data.java
    - Received Links Table
  + Link Screen
    - General
      * Video thumbnail should be centered in screen
      * Remove “forward” icon and space remaining toolbar icons well
    - Sent Link Screen
      * Links that were just sent (not loaded from Parse) do not have “Likes” and “Loves” icons
      * Receiver status table is missing
        + Information about who liked/loved link missing
        + If link is sent to multiple people, messages for all recipients except the first are missing
    - Received Link Screen
  + Reply Screen
    - Screen title should be person (sender/receiver)’s name, not “Link”
* Friends Tab
  + Accepting a friend request should update local friend list without user action
    - Correct flow of events
      * Remove request from local list of pending friend requests
      * Mark request as accepted + save to Parse
        + In callback, send push notif to request sender
      * Add sender to local list of friends
      * Save me (i.e. my new friend list) to Parse
  + Pressing “Add Friend” should send push notification to recipient
* Data model (Data.java)
  + Received links need to be sorted by “lastSenderUpdateTime”, not updatedAt
    - See private static class LastSenderUpdateTimeComp in Data.java
* receiverData updates
  + There are four types of receiverData updates
    - When a received or sent link is seen, call –receivedLinkSeen() or –sentLinkSeen(), respectively
      * This is being done
    - When a sender clicks on an entry in the receiver status table, call receiverActionByUserWithId(String userId, Link link)
      * This sets lastReceiverActionSeen to true
      * This can’t be done right now - we don’t even have a receiver status table!
    - When a link is liked or loved, call linkLink() or loveLink()
      * This is being done
    - When a message is posted, updateLink(Link link, String recipientId, Object message) needs to be called on the link
      * This needs to be done in ConversationFragment.java