APP for LJMedia-English

general description:

The app takes the mobile device position and sends it via G3/Wireless/LTE to our server. All user in distance X are now shown in a map mode and a camera mode. We use several APIs of social networks.

Main functions:

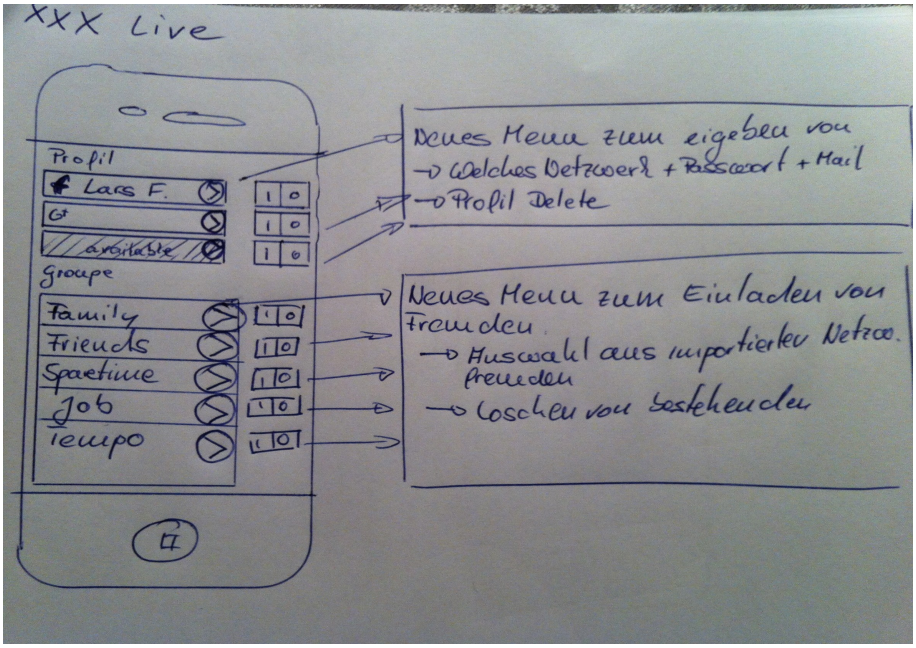
1. Sending and saving the users GPS coordinates on our server
2. Illustration of other users in a radius X
3. Illustration of targets in map and a camera mode
4. The installation of groups. Members of groups a also shown beyond the radius X. Every single group can be activated or deactivated. Deactivated groups are then only shown within the radius.
5. Administration via a menu
6. Advertising on the map and camera mode
7. Suggestion function: the user may use imported friends from social networks and can invite them to use this app also. For 3 ore more promoted friends the promoter will get the high version for free.
8. The difference between the low/high-version:
    - One profile in light version only
    - One group with max 3 members in light version only
    - No ranking function in light version, however ranking is shown
    - No messaging in light version (later)
    - Only standard security and personal setting/shadow hidden
    - Only five unknown profiles are shown in the map mode and camera mode in the light version
    - Targets are only dots in light version
    - No 24h tracking in light version
    - No filter function or search function
9. The App will use the following APIs:
    - google maps/earth api
    - social network
    - several Add apis

The functions in detail and several aspects

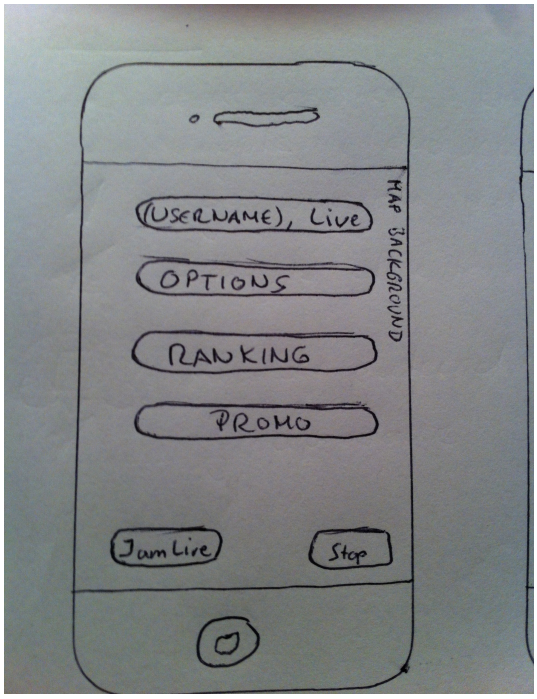
1. The GPS-Funktion (Background)
    - Offline Memory for 24h total. (automatic use as soon there is no internet connection, automatic upload with new internet connection), including GPS time at Position
    - Tracking rate depends on user speed. If there is no activity the tracking rate reduces to e.g. every 10min. If there is a acceleration measured the tracking rate will start high again.
    - e.g.: Velocities <5km/h every 10 sec
      Velocities <20km/h every 5 sec
      Velocities >20km/h every second
    - thats the automatic mode, other modes are high accuracy = every 2 sec or battery saver : every 30 sec
    - Tracking continues also in the background when the app is already opened but not shown.

2. OPTIONS (options menu)
    - Link to the general terms and conditions,incl. Google maps api terms and privacy terms--> Link to a website, these terms have to be accepted. These has to be accepted with a snag. If this snag is not done, the app will only show the menu.
    - GPS options: auto/high accuracy/battery saver
    - Privacy settings: High(standard)/medium/low
        - High: own position is shown to other users in a radius of 2000m (we will reduce this after a startup phase)
          Only the public-profile is shown on our profile page
        - Medium: same radius of 2000m/only public-profile
        - Low: open and everybody on the world can see the own profile
          On the profile page the full profile can be seen.(no wall, no pictures)
          (note: the maximum shown objects on the map/camera page is 50)
        - Messaging? Yes/no
        - 24h Route is shown for friends? Yes/No (If no the last 24h route is deleted for the friends but not in the database)
        - Enter Promotion code (see promotion function)
        - Link to FAQs -->Website

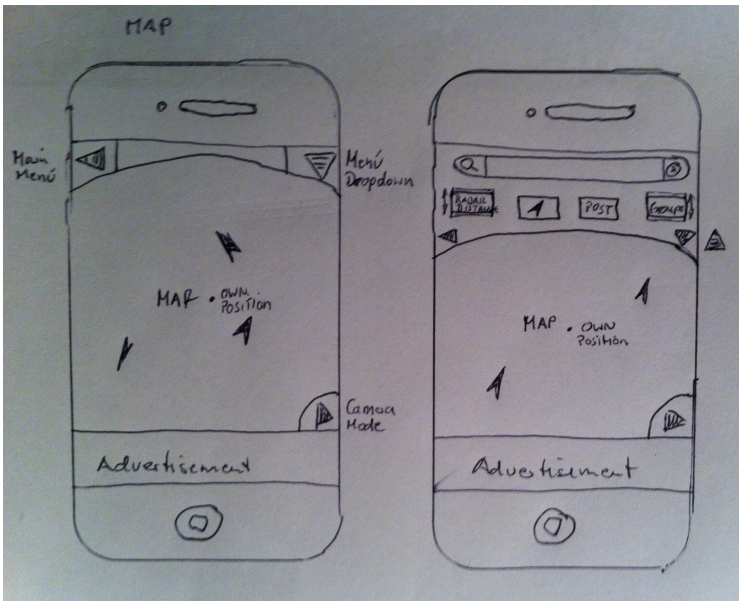
3. Profile-settings / (in menu --->"user name"-live button)
    - three different profiles are useable, every profile can be selected or deselected for a session (on/off). Min. one must be selected. Only the profiles selected on are used for tracking and shown as users profiles. It is possible to select all profiles at the same time.
    - 5 groups: family, fiends, spare time, job, tempo (members are deleted after 24h).
      In each group 10 members can be added (tempo: 3 members)
      The users in this groups are also shown without the radius X, all over the world.
      To add a user to a group, we will open the friend list of the social media networks (imported), than it is possible to select them. The selected person gets a push up message to accept the selection or not (in case he is already member) otherwise he gets an invitation from us via mail or social network message.
      The groups are also selectable on or off--> see profile, if a group is off the members are only shown in the radius X.
    - Profiles and members of groups can be deleted.
    - Selectable social networks: Facebook, Google+, LinkedIn, Twitter

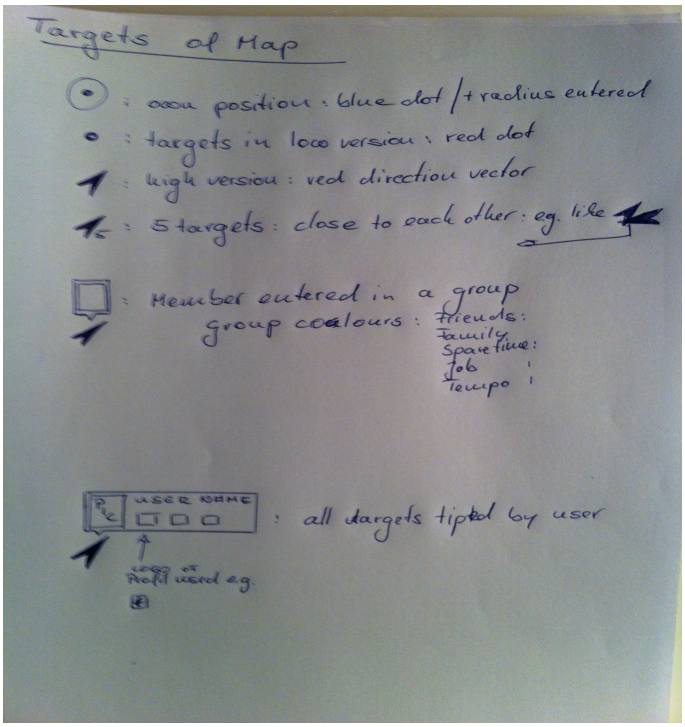


4. The first start of the program
    - the Terms are shown and they have to be accepted (this is also shown when the snag was removed before)
    - If there is no profile entered → Profile menu
    - If there is already a profile entered → Main menu
    - If the tracking already started and the app is reopened → map

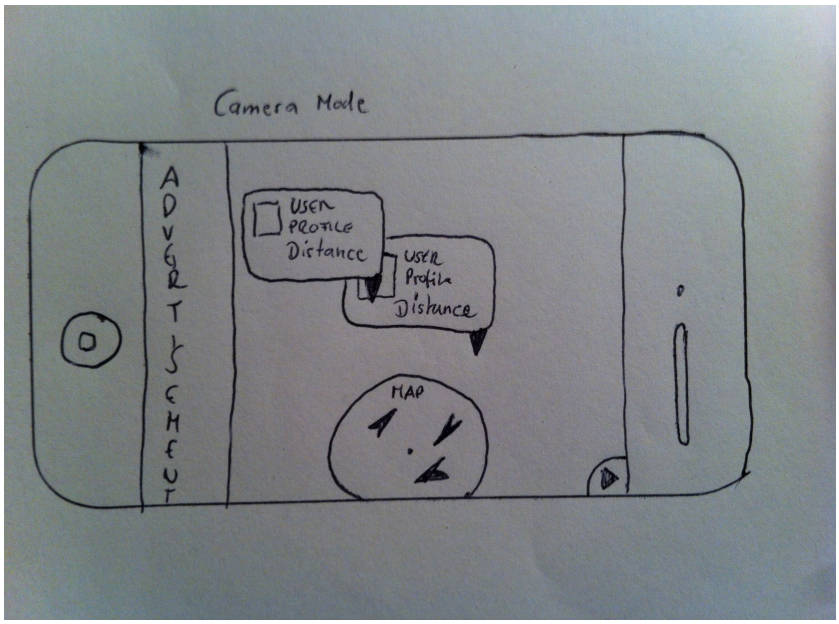


5. Map view
    - Display of user (see target description) on map
    - Display of own position including a radius around the own position showing the entered radius set in options or in the filter
    - Menu in the upper part of the display, including:
        - Radius (100m/500/2000/open)
        - go to my position
        - Post my position in social network
        - group display (all/family...)
    - Advertising
    - Google maps API
    - 24h routing (members of groups) is displayed if a member of a group is touched.
    - If a Target is touched or a member of group touched twice, the profile will come up
    - Filter function, search for a persons name
    - If to many persons are at one place (within 30m) the targets are connected to one target.

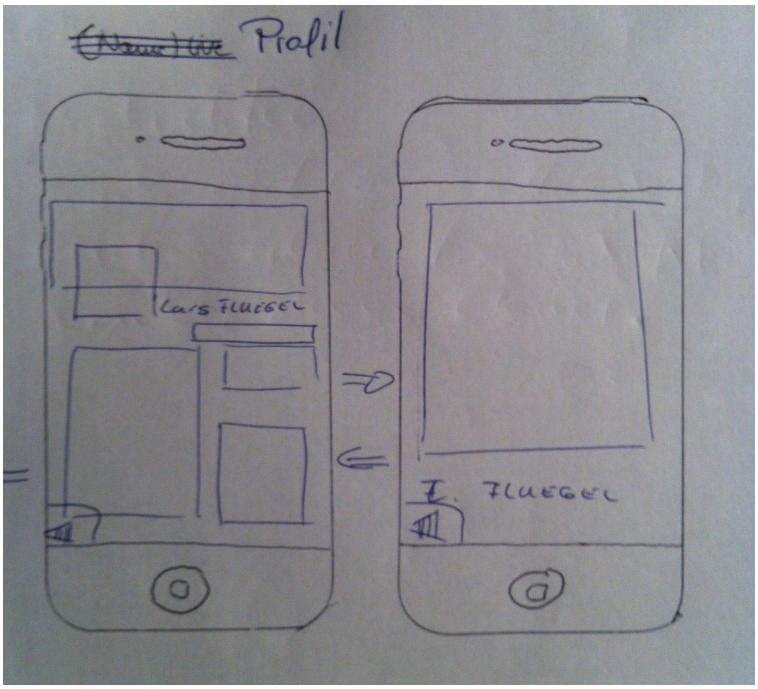

MAP
Main Menü
Menü Dropdown
MAP
OWN Position
Camera Mode
Advertisement
POST
GROUPS
MAP
OWN Position
Advertisement


Targets of Map
: own position : blue dot / + radius entered
: targets in low version : red dot
: high version : red direction vector
: 5 targets : close to each other : eg. like
: Member entered in a group
group colours : Friends :
Family
Spare time :
Job
Tempo
USER NAME
: all targets tipped by user
Logo of Profil used eg.

6. Camera view
    - Targets
    - Radar
    - Advertising
    - automatic map mode if in vertical Position. If turned horizontal the camera mode will show up
    - connection of the targets with people shown → face-detection IOS5.1/android



7. Profile view
    - the standard social network profile is shown, depending on the user privacy settings.
    - Messaging (later)



8. Messaging: later

9. Ranking function (link to import a webpage)
   - Database collects position Data for longterm
   - Ranking for all users:
     - numbers of visited countries + country list
     - accumulation of all tracked km (monthly, yearly, all)
     - accumulation of travelled km worldwide....position connected via great circle
     - Days in foreign countries
     - highest Point
     - User Time

10. Promo function
    - user can promote the App to social network imported friends or via mail address of mobile device. Message will then be sent to download the app.
    - For 3 promoted friends the user will get the pro version for free
      → via code/activation via server?
      (the users have to be new registered)
    - Push message if a new promoted person entered our network to the Promoter

11. Advertising
    - APIs for advertising networks
    - Advertising is shown on the map and camera mode