

Project Understanding Document-LJMedia (iPhone & Android)

In Scope

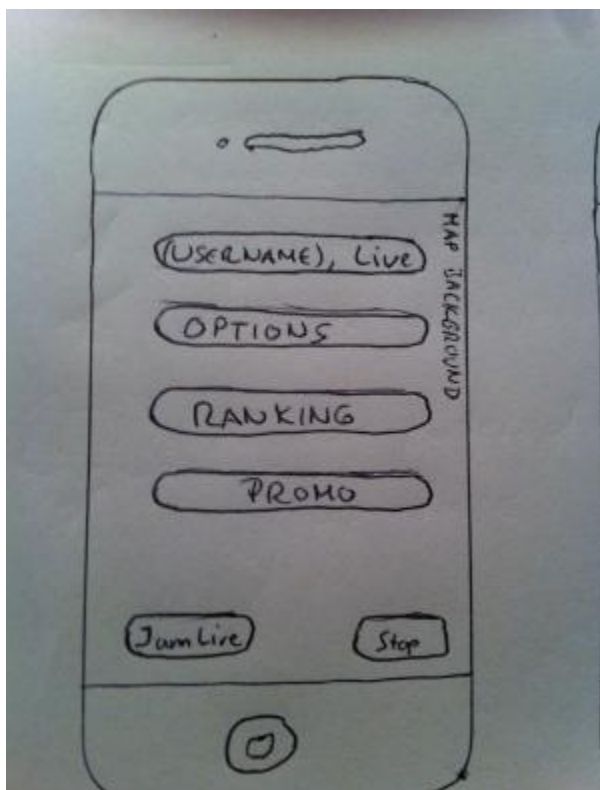
1. Creating Web Services is in Scope
2. Developing Graphics are in Scope
3. Map Mode & Camera Mode are in Scope
4. Back-end will be developed in PHP

Out Scope

1. Building Website is out of Scope
2. Message is out of scope

The first start of the program

- App user accepts the Terms
- 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



Join Live: “I am live” button means to start the function, start tracking and go to the map. The reason for I am live is that we will call the whole app IAM – live (Name of the App)

Stop: The stop button will stop the tracking

Profile-settings / (in menu --->”user name”-live button)

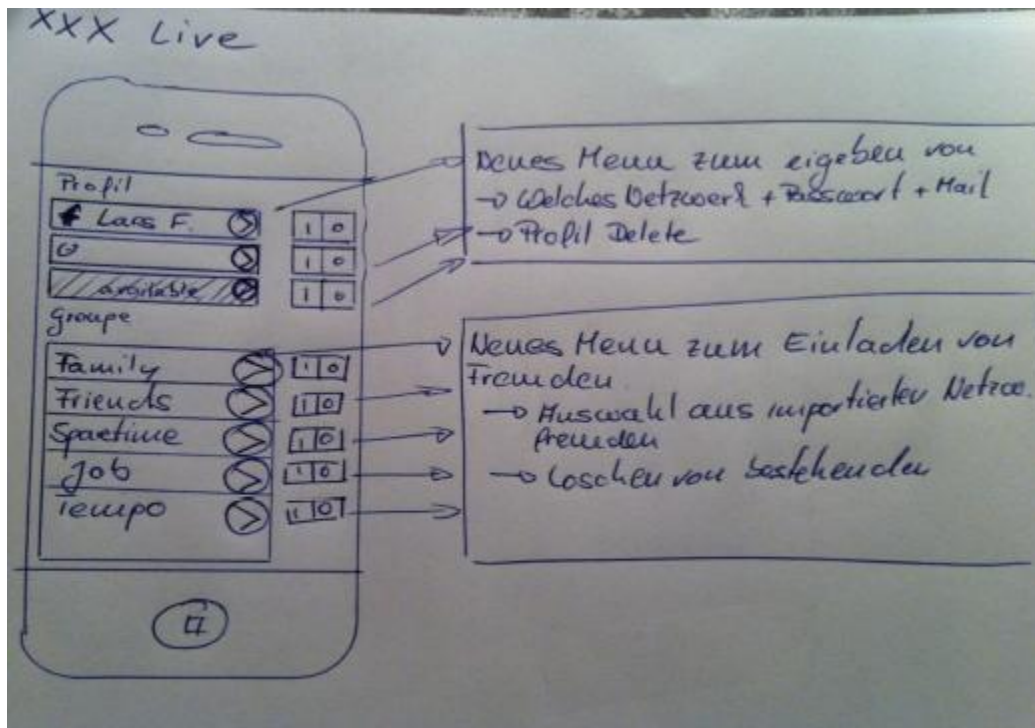
- Three different profiles are useable (); every profile can be selected or deselected for a session (on/off). Min. one must be selected. Only the profiles selected on are used for tracking and shown as user’s profiles. It is possible to select all profiles at the same time.

Note: As we have promised that we will check whether we can get the APIs for the following social networking sites, here we have found, Facebook, Twitter, Google+ and LinkedIn all are achievable.

- 5 groups: family, friends, spare time, job, tempo (members are deleted after 24h).

Note:

1. We assume these groups are pre-defined and no other group can be added; only the members within the group can be added. The members in the group tempo are automatically deleted after 24h. Members of other groups will stay. So let’s say you meet someone for sport (skiing) and you want to know where he is only for this day you can add him her and he gets automatically deleted after 24h
 - In each group 10 members can be added, but in tempo only three members can be added
 - The users in these 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 is only shown in the radius X.
- Profiles and members of groups can be deleted.
- Selectable social networks: Facebook, Google+, LinkedIn, Twitter



The GPS-Function (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 an acceleration measured the tracking rate will start high gain.
 - e.g.: Velocities <5km/h every 10 sec
 - Velocities <20km/h every 5 sec
 - Velocities >20km/h every second

Note: The tracking rate will depend on the Accuracy of accelerometer. The time interval will be fixed to save the battery power. The Tracking will depend on the speed and it should be auto mode. The velocity will be sent to the server.

Needs to be discussed with the developers

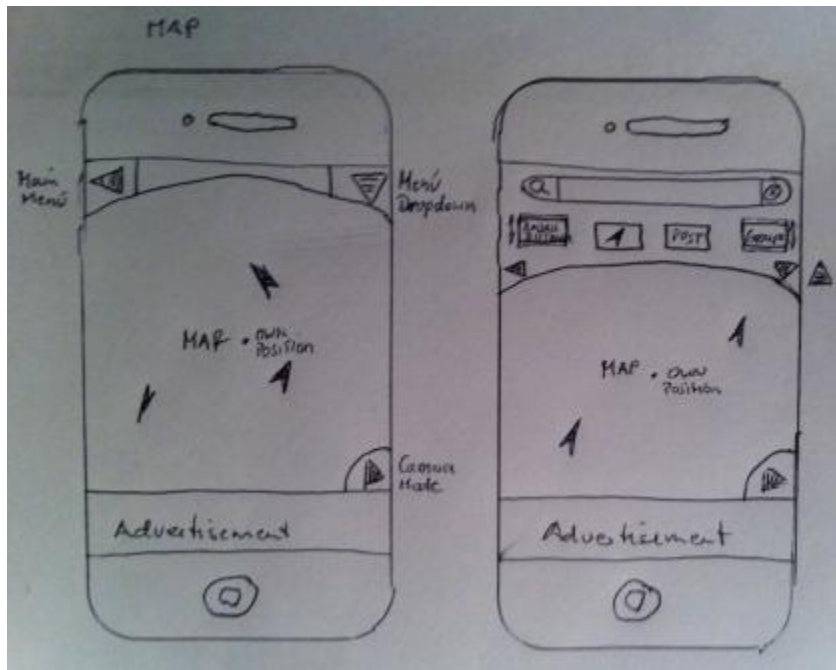
- that's the automatic mode, other modes are high accuracy = every 2 sec or battery saver : every 30 sec
- Tracking continues also in the background when the app is already opened but not shown.

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 have 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 60) (Please explain), [Clarification pending from the client's side]
- 24h Route is shown for friends. Setting: Yes/No (If no, the last 24h route is deleted for the friends but not in the database)
- Enter Promotion code
- Link to FAQs -->Website

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 (Through server, or iAds)
Client's reply: Both.
- 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 person's name
- If too many persons are at one place (within 30m) the targets are connected to one target.



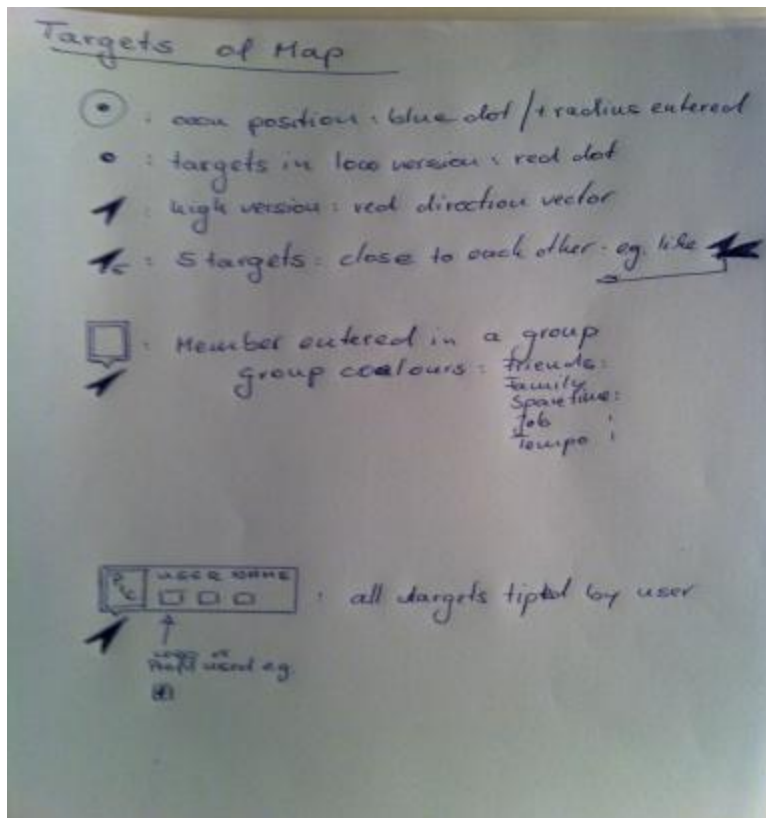
Text: On the upper part you can search for a name. Only this names are displayed the in the radius or of friends

Radius: the left button you can change the radius. Let's say to 500, and then only persons are shown within 500m. Steps should be 50m, 100m, 500m, and 2000m worldwide. Worldwide only possible if your profile is open to the world

Pointer Button: next button gets back on the map to your position. Like find me, the own position.

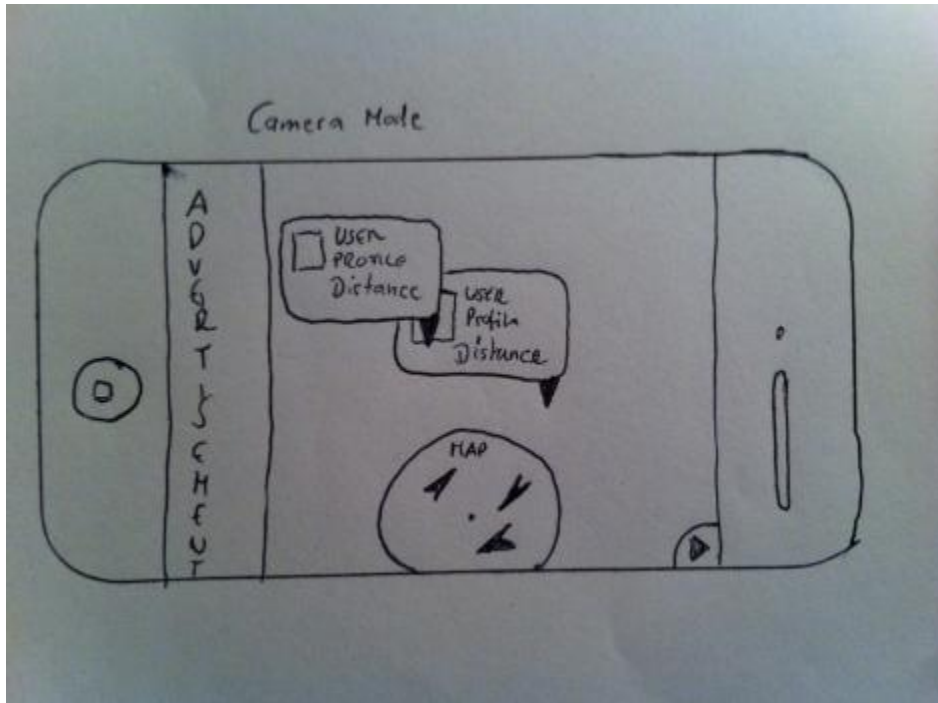
Post: hit it and you can post your position in the right now used profile, .like a check-in in the profile, similar to facebook profile. Hit the button and the location will be shown on facebook. Your facebook friends will see it.

Filter Again Button: It is a filter again. App User can select the groups. Let's say only family so only family members are displayed. They will notice nothing from this. This function is only for the single user. Means: all people around 2000m can see App User's position on the map, groups worldwide. This function is only to show my position to my friends in facebook via a pin wall post. google+ the same twitter via a tweet



Camera view

- Targets
- Radar
- Advertising
- Automatic map mode if in vertical Position. If turned horizontal the camera mode will show up



Profile

Profile view

- The standard social network profile is shown, depending on the user privacy settings.

Ranking function (link to import a webpage)

- Database collects position Data for long-term
- Ranking for all users:
 - Ranking will be done on the basis of numbers of visited countries + country list by the App User
 - Ranking will be done based on the accumulation of all tracked km (monthly, yearly, all)
 - Ranking will be done based on accumulation of travelled km worldwide. Position connected via
 - Great Circle
 - Days in foreign countries
 - Ranking will be done based on the highest Point gained by the App User
 - User Time (user time is just the accumulation of the time the user used tracking of this app, total.)

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)
Note: Information will be tracked for the 3 promoted friends and the message to the User will sent for the free Pro Version. No activation or serial code is required for the process. The activity can be tracked for the specific Unique Id.
- Push message if a new promoted person entered the network to the Promoter

Advertising

- APIs for advertising networks
- Advertising is shown on the map

Important:

- A. The App will continuously check the GPS location in background and update on server, and server will respond the app with the list of users in the defined radius and the list will be shown in the map in the application
- B. App User will switch his profile and turn on the profile that he wants to show to the other Users. The App User will be able to enter up to 3 profiles (any three of the six). The App User will be able to turn on off the profiles for the session. (One has to be on). App User can select one profile on for the specific time period and can turn all the profiles whenever required.
- C. App user will do registration via app but the information will be saved to server and the unique id for the user will be generated, the App User then can create a group and invite his contacts to the specific group.
- D. Members of the groups will be shown worldwide. App User will be able to invite any of his contact to the specific group. For example Mother to his group family. Members can be deleted from both sides. That mean Mother can also delete the App user and she will disappear from the group
- E. Members of this group will also be shown outside the radius, worldwide
- F. The groups will also be possible switch on and off. For Example App User is on a date with a girl and doesn't want his parents see him, so he can switch the family group off and leave the group of friend on. That

means parents can only see the App user in a radius of 2000m otherwise not but the friends can see him all over the world.

- G. Targets are the other App Users on the map. That is, current location of other users within the radius
- H. User will be shown on the map along with the profile image.
- I. The tracking rate will depend on the Accuracy of accelerometer. The time interval will be fixed to save the battery power. The Tracking will depend on the speed and it should be auto mode. The information will be saved to the server.
- J. Application will show the routing of a user to its group members for the last 24h. This routing will be shown when the group member touches on the map mode
- K. App User don't want his other App Users see hi 24h route, the App user switch off the feature in the setting.
- L. Enter Promotion code: The application will have two versions for free and pro. The promo function will help App user to grow his network, so he can promote app by sending invites to his friends (imported from the social networks/or phonebooks email). Friends get a message to join our network on E-mail. If three of invited friends join the network then the App User (promoter) will get the full version for free.
- M. Ranking: Every user can see a summary of his account and at the end of the Year/Month Admin will provide a ranking. This is shown on the application.