

LoneWorker POC

4 March 2016
Bi-Weekly report

Group Members:

- Leah Halaseh (Team Leader)
- Iacovos Pantekhis
- Bagus Maulana

Meetings held with client:

On Tuesday, 16th February 2016 during reading week we had a meeting with Gill Glover from Microsoft and representatives from Network Rail.

During the meeting, Gill introduced the Network Rail representatives with our progress with them and our previous client so far. We informed them about what we have researched further since our last meeting (e.g. our work with the Windows Phone). Network Rail showed us their existing solution to us and expressed their requirements for what our solution would need to add. We explained our plans to develop our app further, and also discussed and negotiated with Network Rail about the direction of our project and the app we are building, taking into consideration our research, plans, and constraints, and Network Rail's requirements.

In terms of the additional requirements that our solution would need to have, Network Rail has expressed their interest on the following:

1. Ability for workers to 'check in' every 30 minutes during work
2. Ability for the worker to "switch off" the data tracking while not working
3. When the panic button is pressed, extra data should be sent with the notification to HQ to be shared with emergency services.
4. Modular components to make it easier to combine our app with their existing solution.
5. Cross platform capability if possible

Meetings held internally:

After our meeting with the client, we held a meeting between the team regarding our next steps to continue the project for Network Rail and develop the app accordingly. We decided that we need to start developing our Windows Phone app as soon as possible and subdivided each member into different roles (explained below). We also discussed about changing and/or re-prioritizing our stated requirements for the project based on what we have discussed in our meeting with Network Rail.

Tasks Completed by Each Team Member:

Bagus Maulana:

- Further research on Microsoft Band development and capabilities for Windows Phone
- Made sample apps using Microsoft Band sensor reading functionality on Windows Phone

Leah Halaseh:

- Establish and manage communications with the client
- Further research on Windows Platform development
- Began researching for web dashboard

Iacovos Pantekhis:

- Built basic UI for the windows phone app
- Further research on Windows Platform apps, especially on UIs using XML.

Plans for the following weeks:

In the following weeks, we will be focusing on developing the Windows Phone application. By next week all of us should have received a Microsoft Band each which will make the app development process easier. Iacovos will continue developing the app UI. Bagus will be working on the Microsoft Band functionalities, including sensor reading, sending messages to the Band, and adding a panic button to the band. Leah will be organizing the team, communicating with the clients, help out when needed, and start research on the web dashboard. We plan to have a fully functional prototype of the Windows Phone/Band application by the end of this month.