LoneWorker POC

Bi-weekly report

26/11/2015

Group Members:

Leah Halaseh (Team Leader)
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Research conducted

Microsoft Band SDK:
Band developer page - https://developer.microsoftband.com/
Band SDK - http://developer.microsoftband.com/bandSDK
Band SDK documentation - http://developer.microsoftband.com/Content/docs/Microsoft%20Band%20SDK.pdf
http://www.microsoft.com/microsoft-band/en-gb/developer
Web Tiles - https://developer.microsoftband.com/WebTile
Web Tiles documentation - https://developer.microsoftband.com/Content/docs/Microsoft%20Band%20Web%20Tile%20Documentation.pdf
Microsoft blog post about the Band and developers - https://developer.microsoftband.com/WebTilehttp://blogs.msdn.com/b/visualstudio/archive/2015/07/15/microsoft-band-and-health-developer-platform.aspx
Microsoft Band main page (features etc) - https://www.microsoft.com/microsoft-band/en-gb

Xamarin:
Xamarin Starter (Free) - https://xamarin.com/starter
Getting started (iOS) - https://xamarin.com/getting-started/ios
Guides, Recipes, Samples, API/Documentation - http://developer.xamarin.com/
Band SDK - https://components.xamarin.com/gettingstarted/microsoft-band-sdk
Installation Guide - http://developer.xamarin.com/guides/ios/getting_started/installation/windows/

PhoneGap/Cordova:
Cordova - https://cordova.apache.org/
PhoneGap - http://phonegap.com/
PhoneGap Build - https://build.phonegap.com/
Band SDK for PhoneGap - http://purplecabbage.github.io/slides/PGMeetupApr2015/index.html#/7
Band SDK for PhoneGap (repo) - https://github.com/purplecabbage/phonegap-plugin-msband
Band SDK for Cordova - https://github.com/dkundel/band-cordova

Guides:
JavaScript - https://developer.mozilla.org/en-US/docs/Web/JavaScript/Guide/Introduction
C# - https://msdn.microsoft.com/en-us/library/67ef8sbd(v=vs.120).aspx

UUID Generator: https://www.uuidgenerator.net/

Accomplished so far:

Leah:

Established relation with client

Researched the platform we will be using : Microsoft band, iOS development using Android

Studied documentation of the SDK of the Microsoft band

Worked on the website and uploaded content to it

Bagus:

Continued our project website. Finished layout for the website.

Uploaded the current version of the web site on the UCL web server.

Explored, read, and installed sample Microsoft Band apps on Android. Familiarised myself for the Microsoft Band SDK for Android.

Started working on ideas on how to implement our app based on the initial requirements.

Iacovos:

Established relation with the client

Research and study of the platforms to be used:

- iOS
- Microsoft Band

Studied documentation and familiarised myself with Microsoft Band SDK.

Familiarised myself with developing for android SDK.

Challenges faced with project:

For the last couple of weeks, we have been awaiting a response to our email asking to change the platform requirement from iOS to either android or windows, since the department couldn't provide us with the necessary resources (as mentioned in the previous report) to develop a prototype in their preferred platform. Finally Gill Glover from Microsoft replied saying that National Grid do not wish to continue with the proof of concept.

Overcoming the challenges:

We will be meeting with Dr. Dean Mohamedally to discuss how to proceed further with the project and whether to remain with the existing project.

What to do next :

Learn about the new platform if approved, and the Microsoft Band SDK for that platform

Create a timeline of what to accomplish and by when

Update the requirements based on the reply acquired from Dr Dean Mohamedally

Continue with the website and the Proof of Concept