Microsoft Spot Market 2 | 12/10/16

- **Cosmin-Nicolae Bresug**
- **Tudor Nica**
- **Phoom (Thomas) Yenbamroong**

Introduction

We had our first meeting in the lab session where much was discussed in order to set up the team, assign roles and ultimately make progress.

Setting up the team

We all agreed that a Facebook group was to be created as our main mean of communicating. In the first meeting, also, we assigned different roles to everyone based on our strengths and past experiences. All aspects were covered including programming, documenting, researching and coordinating where each would get to get hands on at least a little bit of everything.

Roles and responsibilities

- **Cosmin-Nicolae Bresug:**
  - Team Leader
  - Client Liaison
  - Programming
  - Coordination
  - Video editing
  - Report writing
- **Tudor Nica:**
  - Deputy Team Leader
  - Technical Lead
  - Programming
  - Testing
  - Documenting team's work
  - Report writing
- **Phoom (Thomas) Yenbamroong:**
  - Chief Editor
  - Chief Researcher
  - Report writing
  - Coordination
  - Programming

Meetings

Meeting #1 - 07/10/16
Attended: Cosmin-Nicolae Bresug, Tudor Nica, Phoom (Thomas) Yenbamroong
In the first meeting we met in the lab and got to know each other better. We talked about each other's skills in order to understand how everyone could contribute to the project. We set up a Facebook group to discuss the project on and we talked with the Microsoft representers in order to get our client contact information.

Meeting #2 (Client Meeting) - 10/10/16
Attended: Cosmin-Nicolae Bresug, Tudor Nica
We arranged the meeting to further discuss the details of the project with the client and the other two Microsoft Spot Market teams who would be working on different divisions of the project.
Our team's job is to build an application or a platform that will work out the exact position of a user in a store with regard to an item of his/her interest before guiding them to the area (in the store) where the product is. The aim of the software is to help users find their items more easily and quickly without having to ask members of staff.
The client suggested that we use Bluetooth triangulation with beacons to determine the exact position of a user inside a store or we can come up with our own way of doing it. We have also set up another meeting with the other Microsoft Spot Market teams and our client on the 31st of October.

Meeting #3 - 10/10/16
Attended: Cosmin-Nicolae Bresug, Tudor Nica, Phoom (Thomas) Yenbamroong
This meeting was organized on Skype as Tom was away for the client meeting. We explained to him the details of the project and what the client requested. We talked about the APIs and SDKs we were recommended to use as well. At the end, it was clear to Tom what we had to do.

Meeting #4 - 11/10/16
Attended: Cosmin-Nicolae Bresug, Tudor Nica, Phoom (Thomas) Yenbamroong
The fourth meeting took place in the lab, where we discussed how we'd make the project and we all worked together on the first report. We also began researching the technologies we will be using further into the project.

Tools

After the first meeting with the client, everything became much clearer on what tools or softwares could be used to achieve the results for the project. The list of tools is as follows.
- Microsoft Bot Framework
- Xamarin
- Visual Studio
- Bluetooth Beacons
- Mobile devices for testing purposes (Android, IOS and Microsoft Phones)
- Smart watches or other smart devices (potentially)

As we will be using Xamarin in Visual Studio, we will a good use of the Visual Studio Team Services (VSTS) as well.
Also the client will provide us with some work on the project done by the previous team which will effectively serve us as a guidance.

In the next two weeks

To sum everything up, we formed a very good team with a wide range of talents and we all got along very well. We believe that we will perform great as a team in coming weeks and with good organisations we will achieve great results in the project.
Given that we are unaccustomed with most of the softwares in the *Tools* section, we are planning on spending a large portion of the next two weeks researching about them in order to gain a good understanding before plunging into any of the coding. Therefore, we will be studying the documentation of the APIs and SDKs that we will be using (Microsoft Bot Framework, Xamarin, etc). Moreover, we will come up with some concepts of the app and paper prototypes that we will be presenting to our client. We reckon that it is important for the client to keep track of the progress with regard to the application. Last but not least, after a number of meetings we are all clear about our roles and the next steps the team will be taking. We have also decided that we should have around 1-2 meetings per week so that we can catch up with each other.

Individual contributions

Cosmin Nicolae Bresug
As a team leader, my main work this week was to organize the team meetings and also discuss with the client. I made sure to note down the skills of each in order to distribute the roles properly in the team so we can achieve our project. Moreover, I started researching the technologies we will be using and reading through their documentation. I have also discussed with the other Microsoft Spot Market teams so that we can collaborate as small pieces of our projects are common.

Tudor Nica
Firstly, I came up with the idea of having a Facebook group instead of only using a simple chat app, so that we can easily find older topics without wasting time scrolling through all the messages. After the project requirements had been made clear, I started to make some research on bluetooth beacons to get a rough idea about how they can help us in achieving our task.

Phoom (Thomas) Yenbamroong
I had not known any of the other team members before. They, however, seemed very hard-working and passionate about the project. I helped set up the Facebook group as a main mean of communication where everything would be posted on. Also, I created the draft of the first report before putting it in our file storage Google Drive. Lastly I, along with others, came up with milestones which the team's performances would be based upon.