Microsoft Spot Market 2 | 02/12/16

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Introduction

At the beginning of the bi-week, a meeting with the clients was scheduled where much of our ideas was presented and consolidated. In addition to this, we set up a meeting to further discuss the experiments we had come up in the previous bi-week. Further research was also carried out for the experiments.

Progress

Client meeting

In the meeting we presented the conceptual application to the clients and they seemed to be impressed with most aspects of it. Our client, Tim, further emphasized that using beacons would still be the best approach and offered to provide us with a better quality version of beacons for the project.

The clients wanted us to keep the UI for the mobile app as simple as possible with the ability to determine locations of the users within a store as the main priority. They also mentioned that we should build a web application for retailers to input data rather than having to do it on their mobile devices. They said that our main focus should be the client-side of the app and, if we have time, we should build the retailer-side as well (otherwise we could hard-code data in the client app)

One of the musts was that the clients required us to implement everything in Xamarin on Visual Studio which is based on C#.

Due to the issues we were having with the Spot Market Engine, Tim agreed to settle down with a standalone software and if there is enough time and the issues have been resolved by the end of project, we could try to integrate the final application with the Engine. Otherwise, we agreed that it is not a requirement for our project. In addition, we could attempt to integrate it with the databases to work out the item's location as well.

The following is the summary of our final and confirmed requirements.

MoSCoW Analysis

- **Must...**
- Have the User interface for guidance.
- Apply the knowledge of indoor triangulation.
- Have the map where user's location gets displayed on.
- Create a database of products.
- **Should...**
- Use beacons
- Create a web application for retailers to input data of the stores.
- Include the map which display the locations of beacons.
- **Could...**
- Integrate the app with the Spot Market Engine and databases.
- **Won't...**
- Have to manually draw a map.

Evaluation

It is another bi-week that the team performance had been satisfying. We regularly keep in touch to discuss and equally divide the amount of work among all team members.

In the next two weeks

The final report of the term will need to cover many grounds according to the specification on Moodle. By the end of the term, we will have finalised the requirements and goals, upload all experimentation and researches conducted over the past months, and finished the prototype for the project. Lastly, we will reflect, evaluate and summarise everything we have done up until that stage and get ourselves prepared for the term to come.

Individual paragraphs

Cosmin Nicolae Bresug

This week we've been busy dealing with experiments and creating a prototype. I've also updated the website so that we can present a final version for the next lab session. I've mostly been preoccupied with making a prototype so we can show our client how the app will look like. All in all, this has been a productive week in which we've all worked hard to narrow down the final version of what we'll do next term.

Tudor Nica

My main responsibility during these two weeks was to finish the sketches of the functionality that I started during the previous 2 weeks and to pass them to Cosmin, in order for him to be able to start working on the prototype. Furthermore, I came up some rough ideas about how we should split the project into phases and how we are going to test it during these phases.

Phoom (Thomas) Yenbamroong

After the issue with the Engine had been resolved we were able to make progress faster. I was responsible setting up meetings among the team members and making sure that the state of the project did not fall behind the schedule. Moreover, I, as usual, was in charge of most of the report writing.