# Bi-Weekly Report 28/10/2016

Team 12 (MegaNexus) - Oliver Bennett, Bogdan Ionita, Vlad Popa

## Overview

The focus of the past two weeks has been on finding out about the project and starting to understand what the requirements will be. The first thing we achieved this week was a meeting with 3fivetwo Group who told us what the vision of the project would be. This meeting gave us an overview of what the project was from a business perspective, we were given some documentation on the broad scope of the project, however nothing resembling technical requirements yet. Following on from this meeting, we met with the CTO of MegaNexus who helped us identify parts of the project that would be challenging as well as assuring us that what 3fivetwo expected was beyond the scope of what we would be able to achieve in the timeframe. Finally we met with 3fivetwo and MegaNexus again to go into further detail about the project, this allowed us to begin drafting a set of requirements which will be refined in the next week.

## Meetings

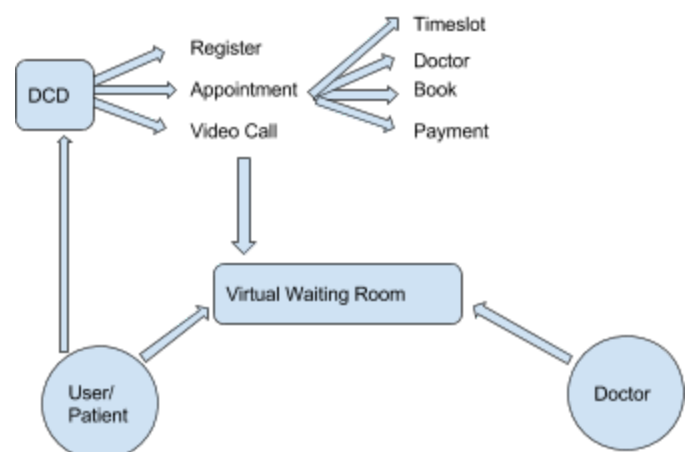### 19/10/2016 - 3fivetwo Group / Project Meeting

During this meeting we have met the first connection with the 3fivetwo group where we found out about their product, DotComDoctor, which is essentially a Medical Skype. It consists of a native application that works with few hospitals in USA. We were also asked about our technical backgrounds, and if we have previously worked with Adobe AIR, which is how their system was developed. What 3fivetwo expected from us was mainly integration of both systems, along with planning out how to do it and explain it to a non-technical audience, and also providing a thorough documentation for what we produce.

This day was also when we decided with MegaNexus the time slots when we are going to be working from their office, this being:

- Monday 9:30 - 14:30
- Wednesday 14:00 - 17:30
- Friday 14:00 Skype Conference

### 21/10/2016 - MegaNexus CTO Meeting

We have met the CTO of MegaNexus today and he also wanted to hear more about our backgrounds, what are technical skills are ( programming languages, familiar IDEs, etc). We also thought about how the DotComDoctor workflow consists of. Here it is the sketch of what we discussed.

He also pointed out the tasks we might encounter during the project:
- Gaining access to GP and Hospitals to get Doctor Lists
- Find out what the 3rd party exposes programmatically, with regards to API and interface
- How the data access is made ( HTPS, REST, SOAP, JSON, any old way? )
- The type of authentication required:
  - Password
  - Security certificate ( Handshake way)
  - 3rd Party Authentication
- Suggested Balsamiq Wireframe

## 26/10/2016 - 3fivetwo Project Meeting

In this meeting we met the 3fivetwo business manager in order to go over the demo product that we would be building. The meetings aims were to understand exactly what would be required and what would not be required for the demo piece.

Several methods were discussed, firstly it was suggested that we could extract parts of the code from DotComDoctor and MegaNexus' CMS in order to build the new system, or, convert the native DotComDoctor app to a web app, or, produce a new web app that has the same functionality of the other systems by using the codebase of the other systems to help the development of the new one. As the old DotComDoctor app was built in Adobe Air, which none of us are experienced with, we thought it would be simpler to build a new web app using familiar technologies, utilizing the old codebase to help development.

Towards the end of the meeting, it was discussed whether or not producing a demo wireframe product by mid-January would be beneficial or not, taking into account 3fivetwo's deadline of April. At this stage we were still not sure whether we would be building a demo product, furthermore we did not have the knowledge to produce proper technical requirements yet. The client agreed to send us the technical specifications of DotComDoctor as well as the old codebase, additionally a tentative meeting date with a MegaNexus senior developer was planned for the following week.

## Tasks

- Meeting with MegaNexus CTO
- Meeting with 3fivetwo Group CEO
- Discussed project in more detail
- Started gathering initial requirements
- Started doing research into possible technologies.
- Set up test accounts on required applications

# Problems

- Understanding what the client wants
- Gathering all the requirements in order to have a good start
- Trying to satisfy both clients and UCLs requirements

# Future Plan

- Expand on initial requirements for project.
- Set up website and logging tool
- Conduct research into technologies used: AngularJS/REST/SOAP/Adobe Air

# Individual Reports

## Oliver Bennett

This week I took part in meetings on Wednesday and Friday in the MegaNexus offices. I was able to ask the client more about the project, trying to clarify in my mind what the project looks like including going over potential requirements. We also agreed with MegaNexus on future meeting dates. In addition I set up test accounts on the DotComDoctor QA services, this allowed me to look at the existing system. I looked through these services briefly to get a feel for its capabilities and areas it could improve in.

## Bogdan Ionita

The past weeks I have attended 3 meetings in the MegaNexus' offices  so as to find out more about the actual project we are going to work on.  In two of the meetings there was a representant of 3fivetwo company so , which the project involves too. I took notes throughout all of the meetings so as to be able to extract the potential requirements. I had the opportunity to sketch the workflow of how the DotComDoctor system should interact with CMS ( MegaNexus' Content Management System) in the last meeting we had. I have also started templating the website we have to do.

## Vlad Popa

Those two weeks my main task was to go to MegaNexus offices and meet the people that will work with us for the project, in order to get the requirements. Both of the meetings were productive, I think that I have a clearer view about the project and I am more confident we can succeed in doing a great job. Also, I had the opportunity to see the DotComDoctor system and have a look on how it works. We have planned when are we going to work for the project, deciding we should be in MegaNexus offices then, and agreed on our future work.