Microsoft and Nuffield Health Project

Date of report: 02/12/2016

Team members: Matineh Akhlaghinia, Sachchit Prasad, Romain Dumon

Overview:

As the previous week had been busy for all the team members, we had decided to break up the tasks that were outstanding and to complete them in time for the next deadline - which would be when we were to next meet Alex. We have also worked on producing the website and fleshing out the details over this week. This was very important as we had a demo on the 2nd December with our TA to get feedback and then the final submission deadline is on the 12th December. We have made sure to cover and document all aspects of our research and comparisons and other relevant info on the website. We had the tasks that Alex had asked of us prepared - the Alexa skills and the API, to present and get his feedback. The team towards the end of the week has worked on getting wireframes, user journeys and mock UIs prepared.

Meetings:

Date	Location	People Present	Minutes
21/11/2016	Skype Meeting	Matin, Sachchit, Paul, Dave	This meeting was to talk about the architecture that our solution would be using and to clear up any queries we had regarding the MS bot framework - the result of this meeting was that we would formally draw up a final architecture diagram in lieu of a previous meeting with Alex on this.
23//11/2016	Cruciform Building	Matin, Sachchit, Romain	The team met for an hour in order to take on the tasks we had come up with and put on trello in the previous week and we had set deadlines for when to complete these - the latest being the coming Monday. This involved the documentation, the API wrapper, a mock Alexa skill and the final comparison between the bots.
26/11/2016	MPEB Labs Fourth Floor	Matin, Sachchit, Romain	We met with the TA to discuss how much progress we had made over the past week and showed him what the team was working on and what the team would be doing over the coming week - main take away was to produce a Gantt chart. In this meeting we then discussed as a team what was to be completed over the weekend in order to prepare for our meeting with Alex on the coming Tuesday. We agreed to finish all the tasks and then meet on Monday to discuss our findings.

29/11/2016	MPEB 5th Floor Main Area	Matin, Sachchit, Romain	The team met together to discuss what we had all completed since the lab session and had shown each other what we had worked on. Romain had the Alexa skill working, Matin had the API working and I had completed a major portion of the website. As a result we were all happy with the progress and then set out how to set out the requirements for the following days and what to show Alex for the meeting the coming day. We delegated some more tasks at the end of this meeting.
30/11/2016	Costa Cafe	Matin, Romain, Alex	The team showed Alex what had been achieved and got feedback for their work. We showed him the mock API and a bot sample which can have a simple conversation with user using microsoft bot framework. We also discussed the architecture of the whole journey integrated with other team. Since Alex was satisfied with the work undertaken, the next steps were then discussed, these being to produce wireframe designs and user journeys.
02/12/2016	UCL Library Space	Matin, Sachchit, Romain, Dave, Team 31	His was a large meeting with with Alex, the representative from MS and the other team. We outlined our progress and our approach to the architecture since we still had a few questions. Furthermore we were advised on how to propose our ideas from a business point of view given our technical background.
02/12/2016	MPEB Labs Fourth Floor	Matin, Sachchit, Romain	We showed the TA our website and got feedback on which aspects we could improve before the final deadline. We then spoke as a team to make sure we were on track with our assigned tasks. We had also produced a Gantt chart in order to better highlight our progress which we presented to the TA.

Tasks completed:

- Created our mock Alexa Skill
- Created mock API
- Completed research section, about us and homepage of website
- Gantt Chart to measure progress made
- User Journeys completed

Problems to resolve:

- Configure our environments for the chosen bot frameworks

● Split the work into manageable chunks so as to finish the website on time

Plan for the next two weeks:

● Complete the website

● Have the wireframe and UX completed in its entirety

● Try more features with our mock "hello world" bot

Tasks completed by the team members:

Sachchit Prasad:

I have been working on the documentation over the past 2 weeks - collating all the team members research together. My task is also to design the website for our project and therefore I have taken a great amount of time making sure we are covering all the points in the website after initially making the framework of the website - i.e. creating the correct pages, tabs and generic designs for aesthetic. I wanted to present all of the information we had in an interactive, aesthetic manner once I had pinned down what must be included in the website. I did find this week the work has been the most extensive because taking the research and translating it into a website form that is appealing but covers all of the points needed has been a challenge in terms of time, however it will culminate in a good end product. I had broken down what was required for the website and assigned them to my team members to complete for the coming week as they currently have to work on things for the client to demo. Furthermore I have also been looking into how to create a mock bot as well so we can actually delve into developing a full bot - hence I have started looking at the "hello world" of bots. This weeks biweekly report was also completed by me.

Matineh Akhlaghinia:

I mainly worked on creating the mock API using Microsoft API App Service. This mock API simulates the RESTful API that we are going to make using Nuffield API. You can get a list of classes available, view each class, book a class and view your bookings. The technologies that I used during this attempt are: swagger.io, Node.js. I also started brainstorming and coming up with proposals for using Alexa and what innovative things we can do other than the booking process. I went through Alexa documentations and checked out some of the sample skills. As we want to be able to send reminder to the user in a way, I mostly concentrated on the ways we can provide that functionality with Alexa. Also I researched about authenticating user to certain social media so that we can use the integration of them with Alexa and making the whole journey more exciting. Moreover, I researched about Docker since our client suggested that it will be useful within our journey. Lastly, after discussing the architecture of the whole process with our client, I created the diagram for it, so that we can discuss the integration with the other team.

Romain Dumon:

After finishing the research, I have been working on comparing all the different technology available to work towards a decision. This past two weeks I have finished this document and decided which tool will be used for each of the proposal. The conclusion is that we will be writing one proposal based on the microsoft bot framework and the other one on Alexa. After that, I decided to carry out experiments on the frameworks and create a 'hello world' app for both of them. For the Alexa skill, the process was a bit long and it was a bit confusing to understand how it really works yet. This is something I will have to look into in the future and work on. On the other hand, the microsoft bot

was pretty straightforward and easier to understand. The testing app is great and has many cool features which we will use during throughout the next steps. I will now start working on dialogues.