Microsoft and Nuffield Health Project

Date of report: 16/12/2016

Team members: Matineh Akhlaghinia, Sachchit Prasad, Romain Dumon

Overview:

The main focus of the last two weeks have been to work on the documentation for our projects and getting all of the elements which we had designed in our research and shared folders onto the final website. This involved covering all of the areas which had not been put up since the last website inspection which was conducted by the TA as well as some of the areas which we had wanted to include in the final design. The website structure also had to be modified and we have since completed the first phase of this website for the first term. Apart from this we have also created a mock API where we have been able to demonstrate the specific endpoints that we need to use in order to be able to book classes, view bookings, cancel bookings and view classes. As a result of the final deadline for the website, most of the meetings have also consequently been focussed around how to build the website with the focus next term being on implementation. We also ran a number of experiments for similar apps, Alexa Skills and our mock API in order to build up an experiment log which will be useful for us in the coming week.

Meetings:

Date	Location	People Present	Minutes
6/12/2016	MPEB 1st Floor Labs	Matineh, Sachchit	Matineh and Sachchit had met in order to discuss how the website should be broken up and how to delegate the outstanding tasks which were left for the website. During this meeting the major areas left were highlighted followed by some minor omissions in the website and then delegated fairly to all members of the team to complete by specified deadlines.
9/12/2016	Nuffield Health Centre, Epsom	Matineh, Alex, Nuffield representatives	Matineh had met with Alex and Nuffield representatives in order to discuss the flow of their gym booking system which went up recently. Also to discuss how their current API works and what should the API wrapper cover.
9/12/2016	MPED 4th Floor Labs	Matineh, Sachchit, Romain	The whole team showed the TA our progress made over the last week and this was mainly to show aspects of our website and what had been added since the last inspection. The rest of this meeting period was dedicated to the team members working on their parts of the project and continuing to update the website.

13/12/2016	MPEB 1st Floor Labs	Matineh, Sachchit	Matineh and Sachchit worked on the initial stages of completing the website design - this involved aspects of the research page, development and the experiments page.
13/12/2016	UCL Science Library Computer Cluster	Matineh, Sachchit	Towards the end of the day, this meeting was to polish the final parts of the website to exhaust the list of requirements for the website and to make the website as interactive and informative as possible. Matineh and Sachchit had completed the remaining outstanding tasks and also submitted the in the meeting itself.
9/12/2016	UCL 4th Floor Labs	Matineh, Alex(Client)	Matineh and Alex worked on the speech design to produce a smooth user experience without any possible flaws.

Tasks completed:

- Completed mock API and deployed on Microsoft Azure
- Created a Microsoft bot and hosted it on Microsoft Azure
- Completed full documentation for website
    - Human Computer Interaction section
    - Research pages and comparisons
    - Development pages
    - Experiments

Problems to resolve:

Since the team has managed to submit a website to the desired quality and standard to which we had set ourselves, there are not any outstanding problems which need to be sorted out at this stage or that need attention. A potential problem would be that the team would have to figure out how to better communicate over a period where we cannot meet and have meetings in person.

Plan for the next two weeks:

The plan outlined will be for the coming 3 -4 weeks since this report falls on the date just before the holidays begin, hence there will be a more robust plan for what the team members can do to utilise this time.

- Prepare environments for team members so that we can begin work on phase two of this project.
- Make more mockups and conduct more research to supplement further HCI design as we start designing the bot and implement it.

- Try and make a few test bots over the holidays to become familiar with how to go about different aspects of making a bot that we may have missed out on in our limited experimentation time.
- Update website with all new details found over the holidays and any new projects.

Tasks completed by the team members:

Sachchit Prasad:

Due to all the deadlines falling at the same time during this week it has been very important for me to have managed my time well so as to dedicate plenty of time to complete the website tasks. Since my aim was to make the website aesthetically pleasing as well as having all the content it has meant that I have need to format the style as well as the content. I have been making regular commits adding content and styling to all parts of the website as well as tweaking existing content to improve the general quality of the work delivered. It was also my task with Matineh to delegate outstanding work to all team members so as to make sure everyone completed their part of the work but also due to the strict deadlines try and avoid overloading a single team member.

Matineh Akhlaghinia:

During these two weeks, I had a meeting with our client and one of the API developers from Nuffield to discuss the flow of their existing booking system which went online recently and how to make the API wrapper with the specific endpoints. I was able to host our Mock API which was made few weeks ago on Microsoft Azure Virtual Machines. Also, I created a bot using Microsoft bot framework using the waterfall approach which is also hosted on Microsoft Azure VM and It is able to respond to simple questions like book me class and view the classes available. I designed the speech flow for our user experience consulting our client (Alex). Moreover, I helped sachchit to present the research and the documents on the website in a way that it's comprehensible for our clients. Lastly, I conducted research on how to test our API Wrapper and the possible frameworks we can use for testing.

Romain Dumon:

During this sprint to finish the website, I was in charge of the HCI part of the website, some parts of the research tab, writing the Requirements for the Alexa Skill and writing up the research comparison results. This was a lot to do in a limited of time but i feel confident that I have done as much work as i could. Overall the team worked well and we were able to finish the task on time with excellent content. For the future, I believe we should spread the work more wisely before the deadlines and think away about what will take time and what won't. For example, the entire HCI section took a very long time because of all the storyboards that I had to do. I underestimated the time needed and only gave myself a few hours when it took a good 5 hours. I will take into account this experience in the future work I do for this project.