

### **Team 30: Nuffield Alexa Development**

Team member: Justin Chan, Bharghavi Damodharan, Ivailo Stefanov

#### **Overview of our progress:**

- We have finished the Alexa tutorials available on the official Amazon developer page, as well as other Alexa development courses on Udemy.
- We have understood the backend requirements for this project, including how and where we need to host the server. We have also decided what programming languages and frameworks we will be using for this project.
- Some of our members will be attending workshops/meet-ups held by Amazon just to get a better understanding of Alexa development and learn the best practices.
- We have been working on the Human-Computer interaction part of the module and am now working on the website and the prototype.
- We have talked to Kiren about the project and we found out the challenges that he faced when he was developing the Alexa skills. We have managed to find the solutions to some of the challenges.

#### **Summary of our meetings with the client:**

- For now, the 4 basic requirements for the Alexa skills are “Book”, “Cancel”, “Query” and “Check availability”. There might be more requirements that our client wants in the future.
- We understand that the Alexa skills have to be hosted on Azure, which means we cannot simply use AWS lambda as the server.
- We need to now create a 6-question survey for our client so that Nuffield can get some feedback from potential users as to what kind of product they want Nuffield to produce. Based on the feedback our client might ask us to add more features to the product.

#### **A list of tasks completed**

- Gathering the requirements
- Learning Alexa Development
- Learning node.js

#### **The plan for the next two weeks.**

- Go to Alexa Meet-ups and workshops
- Finish the HCI component of the module
- Try to improve our Alexa development skills and our knowledge of node.js
- Create a survey of 6 questions for our client. Once our clients get the feedback from the users, they will let us know what the exact requirements are and we can start designing and coding for our project.

## Bi-weekly report

### Individual sections:

- **Justin:** My main tasks for the past two weeks have been creating the prototype and the video for the HCI component, as well as writing this very bi-weekly report. I have also learned Node.js and finished the Alexa tutorials on the official amazon developer page, just to prepare myself for the coding part of the project, which will take place once we have gathered all the requirements. I will also be attending an Alexa development workshop to improve my Alexa programming skills and learn the best practices.
- **Ivailo Stefanov:** Over the last two weeks, I was involved in familiarizing myself with the frameworks and technologies we will be using. By reading documentations and following tutorials, I managed to get a decent grasp of Node.js, Express.js, the Alexa SDK and the general structure of a set of Alexa Skills. I also managed to read the specified chapters of the book regarding the HCI section of the project and set up a plan with my team. Lastly I began building a web-site for the HCI documentation and requirements.
- **Bharghavi Damodharan:** During the last two weeks, I went over some tutorials for Node JS, as it's the primary runtime for our project. I also went over the documentation for Alexa and had a look through the APIs and Alexa's skill set. With regards to the HCI side, I read the recommended chapters of the book called "Interaction Design". Then, as a group, we delegated tasks to work on and I'm now in the process of completing my tasks. Finally, we also met our client every week; at their office.