

Bi-weekly Report 2

Team members:

Bharghavi Damodharan

Justin Chan

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 completed the Human-Computer Interaction (HCI) section. i.e. the website and the video
- ✓ We conducted short interviews with our peers to get feedback on our prototype.
- ✓ We created surveys to establish the user requirements.

Summary of our meetings with the client:

- ✓ Discussed the approach for HCI.
- ✓ Received feedback on the website and the video when completed.
- ✓ A meeting to discuss the design of the survey question
- ✓ Other general meetings to stay updated

A list of tasks completed

- ✓ HCI website
- ✓ Interviews
- ✓ Survey design
- ✓ HCI video
- ✓ Alexa tutorials
- ✓ Learning to build an Alexa Skill from scratch
- ✓ Learning Node JS
- ✓ Learning Alexa Development
- ✓ Learning node.js

The plan for the next two weeks.

- Continue learning to build Alexa Skill
- Collect and analyse the feedback from the survey to establish the requirements
- Design an optimal solution
- Start creating a working prototype

Individual sections:

Justin:

For the past few weeks, I have been trying to learn more about alexa development by attending workshops held by Amazon as well as completing more online courses on the internet. Our team has also finished the HCI component of the module and I was responsible for the prototype and the evaluation section. I have also made a full list of the requirements so that when I am coding I know exactly what I need to achieve. As I have already developed a basic prototype, I am planning to use the feedback I got from potential users to fix some of the problems with the current prototype. I think by the end of December we should be able to create a basic model for the project.

Ivailo Stefanov:

During the past two weeks I was mainly in charge of building various Alexa skills, so I can prepare for the project. After going through documentations and tutorials I managed to learn and gain experience in Node.js and Express.js.

I also managed to get familiarity with the Alexa skills system, aka schemas, sample utterances etc. After I gained confidence in the said systems, I used Node.js, Express.js, AWS Lambda and the Alexa skills system to test and build skills.

Bharghavi Damodharan:

During the last two weeks, I read a book on *Interaction Design* to understand various methods of establishing user requirements. I compared and contrasted each one and then chose the optimal ones for our project. Therefore, I created the survey questions which will aid us in establishing the exact user requirements. I created personas and scenarios to gain a better understanding of our users. In addition, I also designed the interview questions to evaluate the prototype. I also worked on some of the front-end of the website, and assemble all the content together in a user-friendly way. I have also started using tutorials to learn how to build a simple Alexa skill. I have also been coordinating with a student to get hold of the Echo dot as it will help us with testing our design. Finally, I wrote this Bi-weekly report.