

# Google Home Trivia App

Monthly Report

Team MGN

September 29, 2017

## Summary

During the month of September, Team MGN worked primarily to get basic requirements for the Google Home Trivia App from American Printing House for the Blind. Furthermore, we researched and gained familiarity with the software tools necessary for the project. Going forward into the next month, our primary objectives are to create a basic prototype of the app and, in so doing, continue to refine the requirements of the app per the desires of APH.

## Monthly Efforts

### Requirements Gathering

- Along with Team LER, we met with Laura Zierer, Corey Knapp, and Mark Renfrow of American Printing House for the Blind
- They expressed the vision they had for this framework
  - They envision these apps will be used as a part of Orientation and Mobility curriculum taught to visually impaired and blind students
- They also enumerated a list of features they desire to see, which are specified in our Software Requirements Specification Report

### Software Tools Learning

- Each team member spent considerable time learning the different software technologies that will be used for this project
- We have initiated a “divide-and-conquer” approach in which each team member researches one or two technologies and then explains to the other team members the technology
- Ben spent time learning Ava, a Javascript testing framework, and Node.js
- Michael spent time learning Node.js and some of the Google Actions SDK
- Joseph spent time learning Google Actions SDK and some Node.js
- APH provided us with Math Flash, a prior Google Home app they created
  - This has been a great resource for getting more familiar with Google Actions SDK

- APH also provided a sample of the questions the app will ask, which we've been examining

## **Reporting**

- Ben created a website that will contain team meeting notes, reports, and other resources pertinent to the project
  - Site is located at <https://mgncapstone.github.io/>
- We created a Feasibility Report detailing initial thoughts, risks, alternatives, and so forth concerning the project
- Began a Software Requirements Specification Report which will more concretely define the overall description and specific requirements of the app

## **Immediate Objectives For October**

### **Software**

- We want to start working on a prototype of the app, which will contain basic functionality
  - This will lay the groundwork for our software implementation
  - This will also allow us to refine and work out the more minute details of the app's requirements
- We will also begin preparing the trivia questions so they can be exported as needed to the different Trivia App frameworks

### **Reporting**

- We will finish the Software Requirements Specification Report that we've started
- We will create a Software Architecture Report detailing the structure and general framework envisioned for the app