

Google Home Trivia App

November Monthly Report

Team MGN

December 1, 2017

Summary

During the month of November, Team MGN created multiple project reports detailing prospective code implementation and open source software to be used in the Google Home Trivia App system. We collaborated with Team LER (the Amazon Alexa App team) to parse and further prepare the questions data in the word document that was provided. Using this data, we created a RESTful service which will provide questions data to both the Google Home and Amazon Alexa apps. Going forward, we will continue to work on the implementation for the server module of the system, as well as continue to develop the data access module containing the RESTful service.

Monthly Efforts

Project Planning

- Key topics discussed in team meetings this month
 - Trivia data storage
 - The plan is to store and maintain the questions data in a separate data access server module
 - This server module will allow both the Google Home app and the Amazon Alexa to request questions data via a RESTful service
 - To begin with, questions data will be stored within the module as a JSON file, but will eventually likely be moved into an internal Mongo database for easier querying and general maintenance

Project Implementation

- Setup system testing environments for each team member, which should make development cycles quicker
- Team LER (Amazon team) parsed the questions data provided in the word doc – we further cleaned up this data to prepare it for app consumption
- Created a REST service in the data access server module which allows the Google Home and Amazon Alexa apps to request questions data

Reporting

- Created a Software Detailed Design Report which describes the software tools employed to develop the system, the code interfaces each component of the system provides, and the data design for persistent data
- Created an Open Source Software Selection Report which details the open source libraries to be used in the system, as well as general details regarding the long-term availability, maintenance, and so forth of these software libraries
- All reports are available at the project website (<https://mgncapstone.github.io/>)

Immediate Objectives For December

Software

- Work on developing the trivia game state machine on the Google Home server module
- Work on converting the questions data into questions the Google Assistant can ask the user(s)
- Continue to develop and refine the data access server module
- Continue to examine and refine the questions data