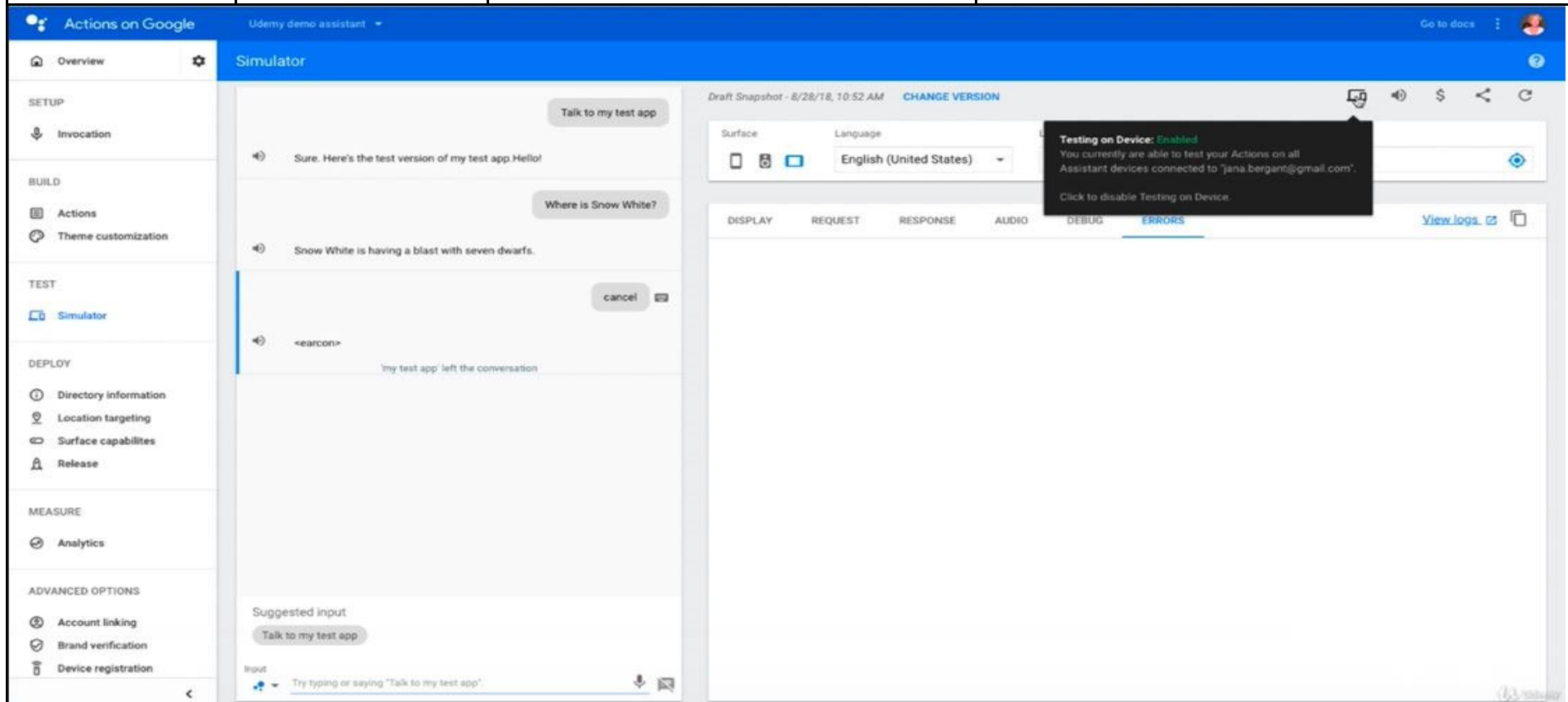


Personal Work Logs			
Student ID:		18006226	Name: Sanghun Kim
Total Hours:		307.7 Hours	Number of Logs: 108
Total Hours for Semester 1:		169.3 Hours	Total Hours for Semester 2: 138.5 Hours
Date	Minutes	Summary	Contents
Week 1		6.4Hours	
26 February 2019	60	Team Meeting	The first team meeting. Greetings and got to know each other. Create a team time table to arrange meetings.
26 February 2019	120	R&D Lecture	Introduce lecturer/ learned about Maintaining documents, Managing meetings with team, client and mentor.
26 February 2019	80	Research Client	Research Sonnar website and try applications that made by Sonnar. (Bomb Squad, Audio Game Hub, Twisted Tales series)
27 February 2019	80	Individual Study	Check the course schedules and Read Assessment Requirements
28 February 2019	40	Mentor Meeting	The first Metor meeting. Introduce to each other. Discussed about how to manage the project.
Week 2		6.9 Hours	
5 March 2019	40	Team meeting	discuss about Meeting Questionnaire outline, and do some quick research for current Sonnar applications
5 March 2019	120	R&D Lecture	Learn about the project proposal, how team mentor & client collaboration, and proposal presentation and critical task
5 March 2019	30	Prepare Questions	Prepare additional questions for the client meeting. <a href="https://www.bridging-the-gap.com/what-questions-do-i-ask-during-requirements-elicitation/">https://www.bridging-the-gap.com/what-questions-do-i-ask-during-requirements-elicitation/</a>
8 March 2019	72	Client Meeting (with mentor)	First client meeting with mentor. Client introduced their company and applications / had the overview of devices and platforms. Got contact information for the project.
9 March 2019	150	Individual Study	Research Google Home Development Environment / Set up Development Environment (Google Assistant account setting / Tutorial to start develop)

## Meeting Questionnaire outline

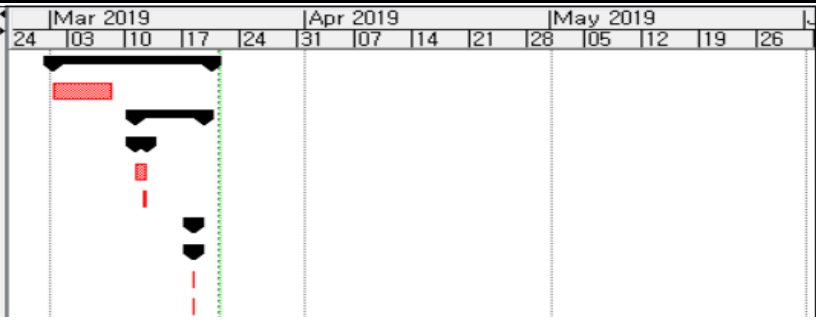
- About the Code:**
  - What language(s) will we be using?
  - What platform(s) will we be coding in?
  - Will we be using a database of any kind?
    - If so, what platform?
  - What APIs will we be using?
- About the Application:**
  - Specifically, what is the platform that users will use the application on?
    - If we develop for Alexa, will you provide the device to us?
  - Will our product go public when it's done?
    - If so, will we get royalties or payment at the end?
- About the Project:**
  - Will you give any inhouse training for the project?
  - Will you provide any resources for us?
  - How often do we need to meet with you?
  - How often do we need to send updates?
  - Will be using an already chosen PMS that your company uses, or can we choose are own?
  - Are we doing front end development?
    - Will we be doing any marketing for the project?
- Specifics:**
  - What is the core idea of the product?
  - What is our demographic?
  - What are the broken down stages to this project?
  - What process framework are we going to work with?

Week 3		12.1 Hours	
12 March 2019	126	Team meeting	Working on project proposal together ( Terms of Reference, Rationale ) / Signed Team agreement / Review Lecture Notes
12 March 2019	120	R&D Lecture	Learnt about Requirement Gathering and Project Methodologies
15 March 2019	240	Team meeting	Working on project proposal together ( Document control page, Scope and objective, Method and approach - Agile Scrum, project plan ) / overview and distribute remaining work
16 March 2019	120	Individual Study	Research how Kanban methodology works to figure out which methodology is more suit to our project / Review Lecture Notes
17 March 2019	120	Google Home Development Tutorial	Watch Google Home Development Course on Udemy <a href="https://www.udemy.com/course/actions-on-google-app-google-assistant/">https://www.udemy.com/course/actions-on-google-app-google-assistant/</a>

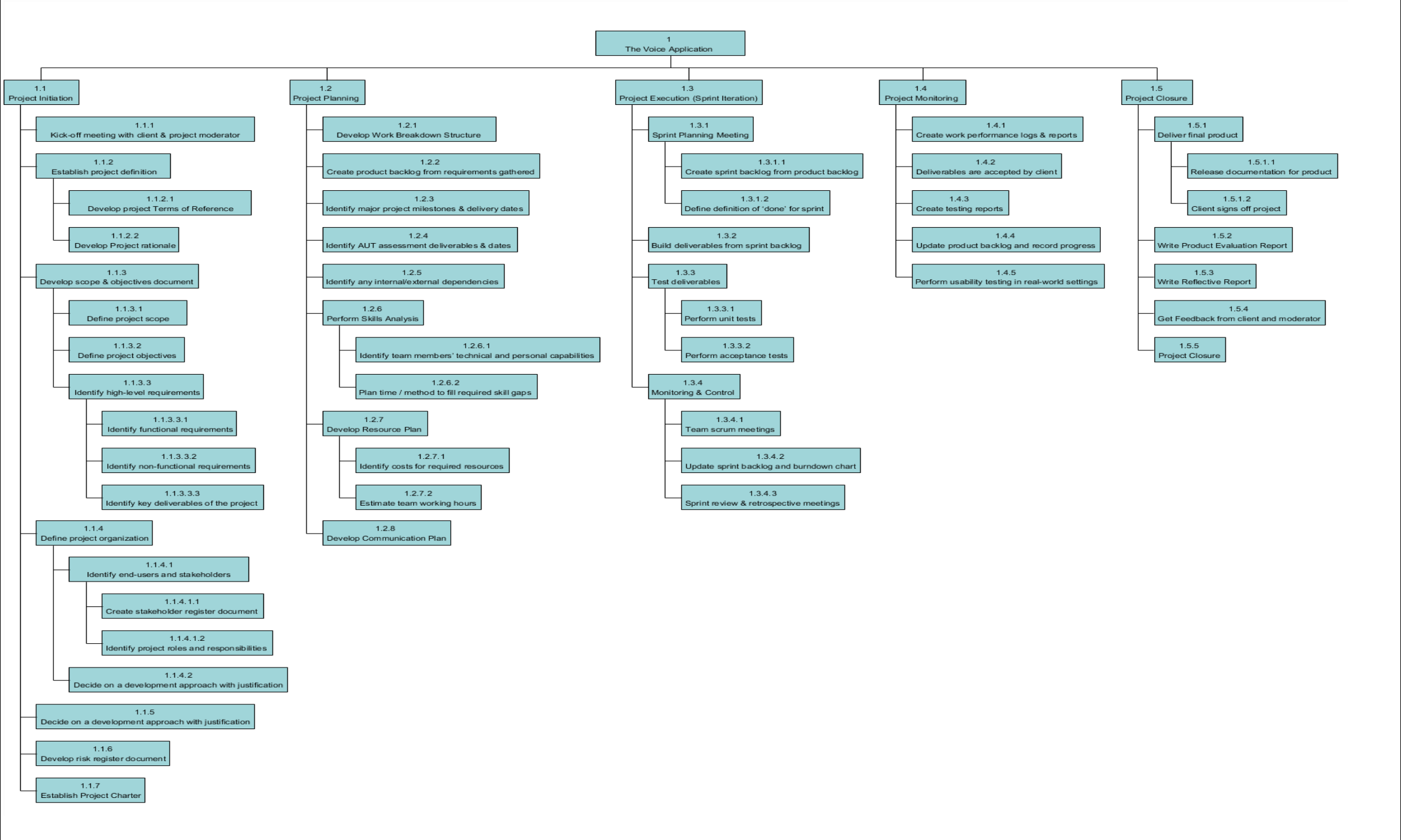
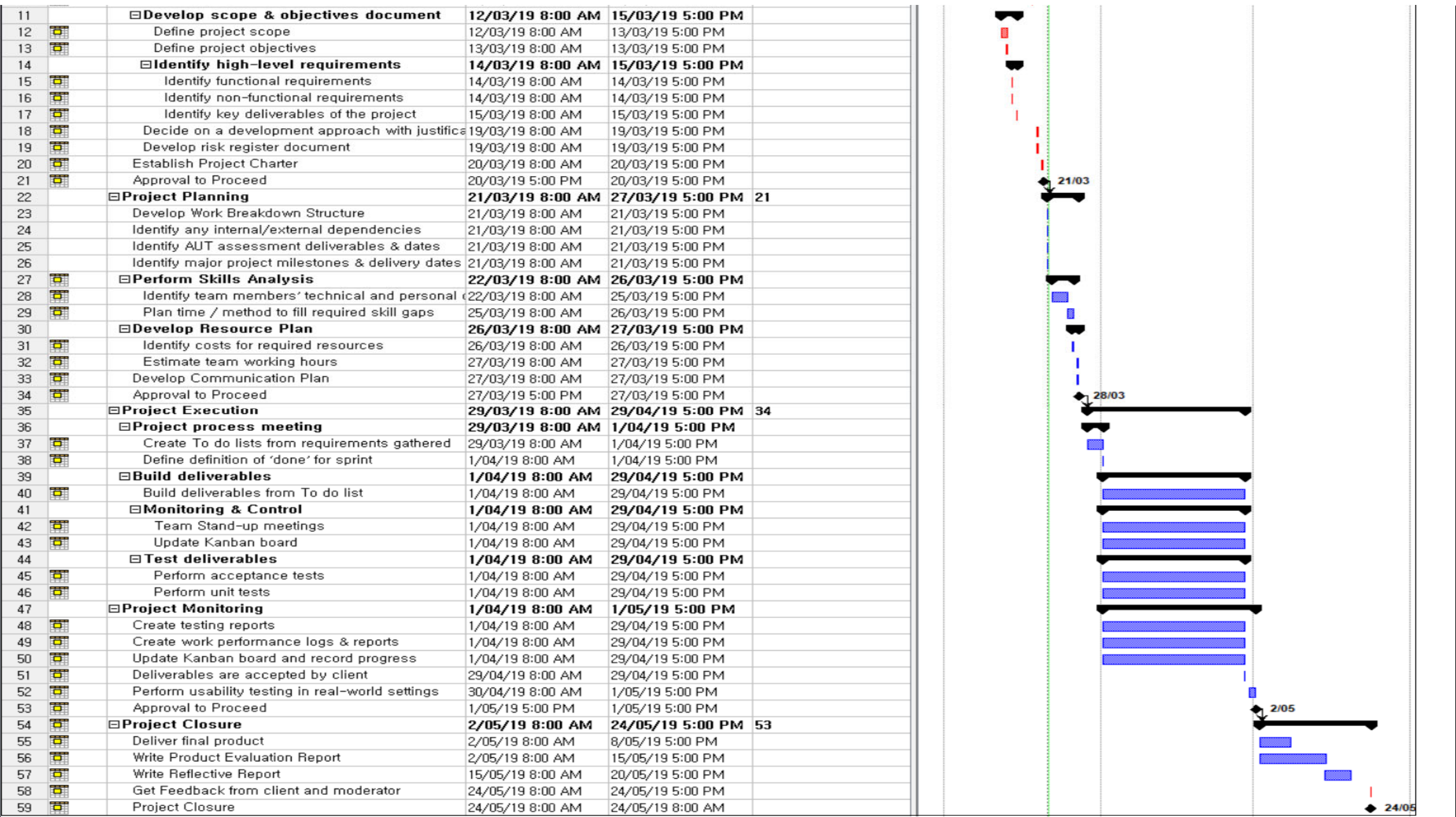


Week 4		11.1 Hours	
18 March 2019	60	Mentor Meeting	Talk about why project proposal is need for projects / Get advice for budget document in project proposal. Discuss proposal presentation details.
19 March 2019	66	Client Meeting	Gather Requirements and Get resources for the development
19 March 2019	180	Project Proposal	View flow diagram of existing Alexa skill / Demonstrate existing Alexa skill / Discuss how to get access for the Alexa version code / talk about usability test
22 March 2019	240	Team meeting	Update and Finish all the documents for project proposal (Methodology changed to Kanban) / Combine all the project proposal documents in on docs / Overview and Double check requirements and whole document. / Sketch the proposal presentation Power Point
23 March 2019	120	Prepare Power Point	Create Overall Plan page Power Point / write speech note / practice presentation

	Name	Start	Finish	Predecessors
1	Project Initiation	1/03/19 8:00 AM	20/03/19 5:00 PM	
2	Kick-off meeting with client & project moderator	1/03/19 8:00 AM	8/03/19 5:00 PM	
3	Establish project proposal	11/03/19 8:00 AM	19/03/19 5:00 PM	
4	Establish project definition	11/03/19 8:00 AM	12/03/19 5:00 PM	
5	Develop project Terms of Reference	11/03/19 8:00 AM	12/03/19 5:00 PM	
6	Develop project rationale	12/03/19 8:00 AM	12/03/19 5:00 PM	
7	Define project organization	18/03/19 8:00 AM	18/03/19 5:00 PM	
8	Identify end-users and stakeholders	18/03/19 8:00 AM	18/03/19 5:00 PM	
9	Create stakeholder register document	18/03/19 8:00 AM	18/03/19 5:00 PM	
10	Identify project roles and responsibilities	18/03/19 8:00 AM	18/03/19 5:00 PM	







Week 5		8.7 Hours	
26 March 2019	180	Individual Research	Research the given resources for api that provide book data <a href="https://librivox.org/">https://librivox.org/</a> / <a href="https://archive.org/">https://archive.org/</a>
26 March 2019	120	Team meeting	Print out two hard copy of the project proposal for mentor and moderator / Polishing Power Point and practice proposal presentation
26 March 2019	40	Pratice and prepare for presentation	Print out speech notes and practice proposal presentation
27 March 2019	60	Proposal Presentation	Team Proposal presenstation to moderator and mentor
27 March 2019	120	Upskilling	Reading DialogFlow Documentation <a href="https://dialogflow.com/docs?authuser=1">https://dialogflow.com/docs?authuser=1</a>

Our project is small since our client only wants us to move the functionality of their Alexa product to Google Home and the fact that he wants this product built quickly rather than taking an entire year.<sup>42</sup>

Due to this fact, the project is estimated to take at most 3 to 4 months to complete.<sup>42</sup>

This is the timeline for our overall project plan.<sup>42</sup>

In the first phase, project Initiation, we first met our client and coordinator. And we figured out the scope, objectives, stakeholders, requirements, risks and other fundamental resources about this project and established the project proposal document.<sup>42</sup>

Next, we went into more detailed planning in the project planning phase. A Work Breakdown Structure was built, and Skills analysis was carried out, and a resource plan and communication plan were established.<sup>42</sup>

we are about to enter the project execution and monitoring phase, where we begin to develop and test deliverables. We will monitor the progress of the project by creating performance logs and testing reports and we will also perform usability testing in a real-world setting. We are planning to finish developing and get our product ready for publishing by early May.<sup>42</sup>

In the last phase, project closure, we will deliver our final product to our client. We will then write our Product Evaluation Report and Reflective Report and get feedback from our client and moderator. The project will be completed by the end of May.<sup>42</sup>

Week 6		14.4 Hours	
2 April 2019	102	Client Meeting with their developers	View flow diagram of existing Alexa skill / Demonstrate existing Alexa skill / Discuss how to get access for the Alexa version code / talk about usability test
2 April 2019	120	R&D Lecture	Learn about the addressing conflict
2 April 2019	180	Individual Study	Review Lecture Note / Watch C# Tutorial from <a href="https://www.youtube.com/watch?v=gfkTfcpWqAY">https://www.youtube.com/watch?v=gfkTfcpWqAY</a> since their alexa product is developed in C#
5 April 2019	70	Team meeting	Have a look Google action scripts, AWS lambda and Archive/LibriVox APIs Discuss about how we can do upskilling / look up Udemy course for it
5 April 2019	30	Upskilling	Have a look the Udemy course shared by Howard <a href="https://www.udemy.com/course/ultimate-voice-dev-course/">https://www.udemy.com/course/ultimate-voice-dev-course/</a>
6 April 2019	180	Upskilling	Learn Google actions on Udemy <i>Build Google Assistant app for Google Home with DialogFlow</i> <a href="https://www.udemy.com/course/actions-on-google-app-google-assistant/learn/lecture/9240262#overview">https://www.udemy.com/course/actions-on-google-app-google-assistant/learn/lecture/9240262#overview</a>
7 April 2019	180	Upskilling	Learn Google actions on Udemy <i>DialogFlow Fulfillment / Firebase function and serverless architecture</i> <a href="https://www.udemy.com/course/actions-on-google-app-google-assistant/learn/lecture/13362806#overview">https://www.udemy.com/course/actions-on-google-app-google-assistant/learn/lecture/13362806#overview</a>
Week 7		12.8 Hours	
9 April 2019	60	Client Meeting	Double check application requirement details / Discuss how to deal with google code / Discuss APIs and audio format
9 April 2019	120	R&D Lecture	Learn about Continuous Quality Improvement / How to improve team meetings



12 April 2019	44	Mentor Meeting	Talk about current state and details of the project / get advice for documentation, coding details and testing / discuss timeline of R&D paper
12 April 2019	180	Individual Study / Upskilling	Review Lecture Note / Research how to deal with API on Google Action from <i><a href="https://developers.google.com/assistant/actions/build/json">https://developers.google.com/assistant/actions/build/json</a></i>
13 April 2019	180	Upskilling	Watch Youtube <i>Dialogflow Tutorials: Integrate Your Dialogflow Agent with External APIs</i> <i><a href="https://www.youtube.com/watch?v=n4lPOeFCDxI">https://www.youtube.com/watch?v=n4lPOeFCDxI</a></i>
14 April 2019	180	Upskilling	Follow Udemey course tutorials in practical <i>Section 1: Introduction - Jovo V2 / Section 2: Installation</i> <i><a href="https://www.udemy.com/course/ultimate-voice-dev-course/learn/lecture/12167904#overview">https://www.udemy.com/course/ultimate-voice-dev-course/learn/lecture/12167904#overview</a></i>
Study Break		19 Hours	
16 April 2019	180	Upskilling	Watch Udemey course <i>Section 3: Jovo Language Model / Section 4: Inputs - Slots &amp; Entities</i> <i><a href="https://www.udemy.com/course/ultimate-voice-dev-course/learn/lecture/12576156#overview">https://www.udemy.com/course/ultimate-voice-dev-course/learn/lecture/12576156#overview</a></i>
18 April 2019	240	Upskilling	Watch Udemey course / Build and test application <i>Section 5: Smart Lock App</i> <i><a href="https://www.udemy.com/course/ultimate-voice-dev-course/learn/lecture/12168070#overview">https://www.udemy.com/course/ultimate-voice-dev-course/learn/lecture/12168070#overview</a></i>
23 April 2019	240	Upskilling	Watch Udemey course / Build and test application <i>Section 6: Account Linking</i> <i><a href="https://www.udemy.com/course/ultimate-voice-dev-course/learn/lecture/12205018#overview">https://www.udemy.com/course/ultimate-voice-dev-course/learn/lecture/12205018#overview</a></i>
26 April 2019	240	Upskilling	Watch Udemey course / Build and test application <i>Section 9: Video Games + Voice</i> <i><a href="https://www.udemy.com/course/ultimate-voice-dev-course/learn/lecture/12205018#overview">https://www.udemy.com/course/ultimate-voice-dev-course/learn/lecture/12205018#overview</a></i>
28 April 2019	240	Review Upskillings have done during Study Break	Review Udemey Courses Review and test all the code for applications that I built

Actions on Google

Smart-Lock

Overview

Settings

Setup

Invocation

Build

Actions

Theme customization

Test

Simulator

Deploy

Directory Information, Location T...

Measure

Analytics

Advanced Options

Account linking

lock your door? check the status of your door? Or Unlock your door?

lock

Your door is locked

'my test app' left the conversation

Talk to my test app

Okay. Here's the test version of my test app.Welcome to your smart lock. Would you like to lock your door? check the status of your door? Or Unlock your door?

decrypt

Your door is unlocked

'my test app' left the conversation

Suggested input

Talk to my test app

Input

I'm trying or saying "Talk to my test app".

Section 6: Account Linking

8 / 8 | 25min

37. Intro & Project Setup

2min

Resources

38. Sign-In with Facebook

3min

Resources

39. Sign-In with Github

2min

Resources

40. Sign-In with Twitter

3min

Resources

41. Actions on Google Console

3min

Resources

42. Google Action Code

5min

Resources

43. Alexa Developer Console

3min

Resources

44. Amazon Alexa Code

3min

Resources

Skill testing is enabled in:

Development

Skill I/O

Device Display

Device Log

Alexa Simulator

Manual JSON

Voice & Tone

English (US)

Type or click and hold the mic

stop

my api test

Time to pick a quest! Would you like to defeat the dragon, race to the top of the mountain, or explore the pyramids?

Choose Your Quest

1 Dragon Quest

Slay the Dragon

100 exp

2 Mountain Quest

Race to the top of the mountain

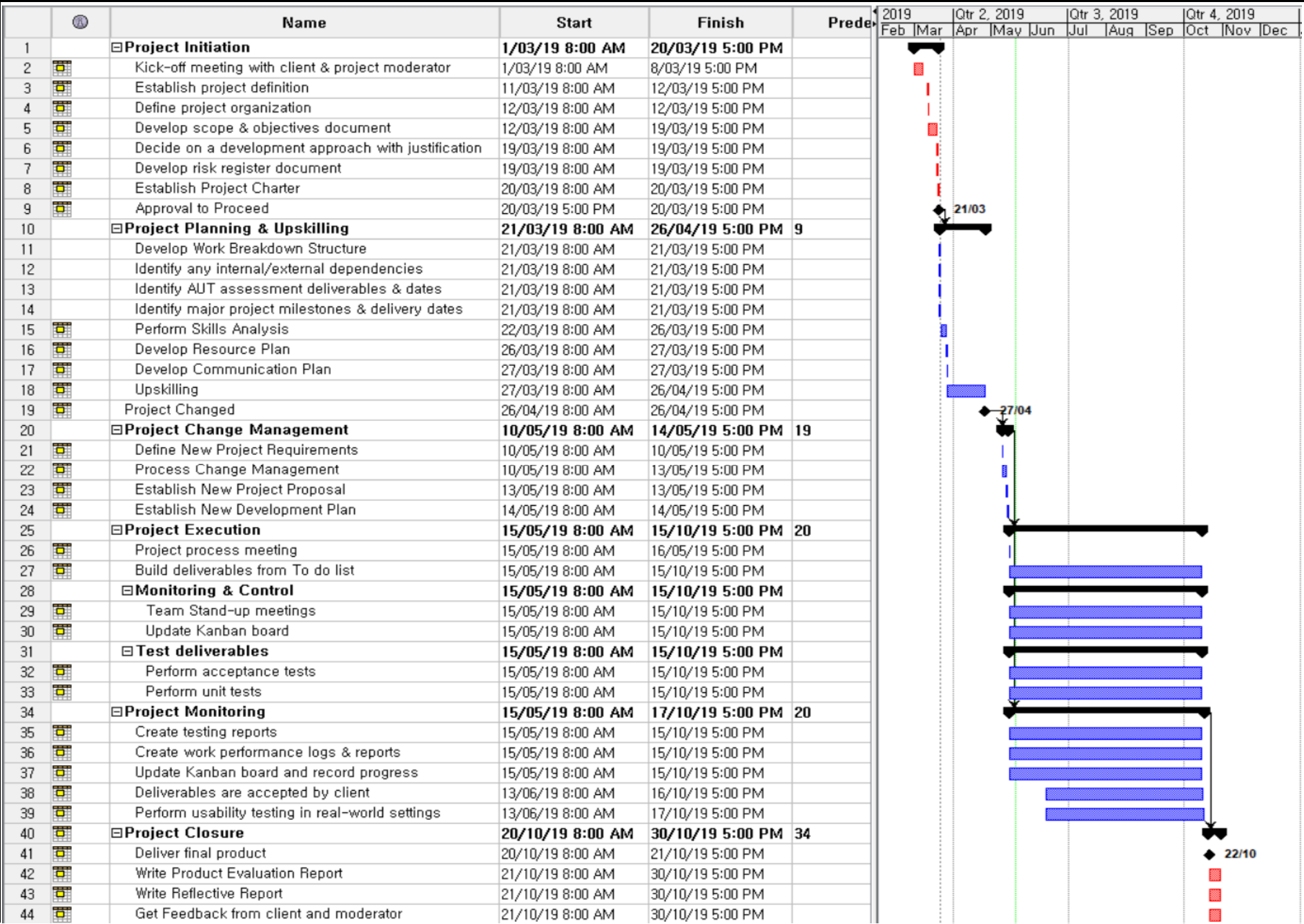
113 exp

3 Pyramid Quest

Explore the Pyramids

476 exp

Week 8		9 Hours	
30 April 2019	60	Project Cancelled / Changed	The project is cancelled by client since their time constraint / have a look other options given by client
30 April 2019	240	Individual Study	Review all the lecture notes from term1 (Week 1 - 7)
3 May 2019	240	Upskilling	Watch Youtube and follow instruction <i>C# Tutorial - Full Course for Beginners</i> <i><a href="https://www.youtube.com/watch?v=GhQdIIFYlQ8">https://www.youtube.com/watch?v=GhQdIIFYlQ8</a></i>
Week 9		8 Hours	
7 May 2019	120	R&D Lecture	Learn about Mid project progress review requirements details and additional documents details. Quality assurance.
10 May 2019	60	Client Meeting	Discuss new project ideas (Memory game, Labyrinth, Interactive Story game)/ Discuss how to deal with assets (Images, sounds)
11 May 2019	120	Individual Research	Research about how to build Alexa Skills/ Alexa skill kit Documentation Youtube - <i><a href="https://www.youtube.com/watch?v=iikp78K0DD0">https://www.youtube.com/watch?v=iikp78K0DD0</a></i> Dococumentation - <i><a href="https://developer.amazon.com/docs/ask-overviews/build-skills-with-the-alexa-skills-kit.html">https://developer.amazon.com/docs/ask-overviews/build-skills-with-the-alexa-skills-kit.html</a></i>
12 May 2019	120	Team meeting	Discuss updating project proposal for new project / divide the team into two teams for developing two platforms( Google/Alexa) / Look at flow diagram of the 'Bomb Squad'
12 May 2019	60	Project Proposal update	Update Proposal Work Breakdown Structure and Overall Plan Gantt chart for new project





out of the training, please complete the following steps before the event:

1. **Sign up for an [Amazon developer account](#)**
2. **Sign up for an [AWS account](#).** Complete the verification steps for enabling an Amazon verified account, including payment details, profile info, and phone verification as applicable.
3. **Read this [tutorial](#)** for building an Alexa skill

We look forward to seeing you soon!

**Location**

Room, WG308 TE IRINGA, Auckland University of  
Technology  
55 Wellesley St E  
Auckland, 1010

**Date & Time**

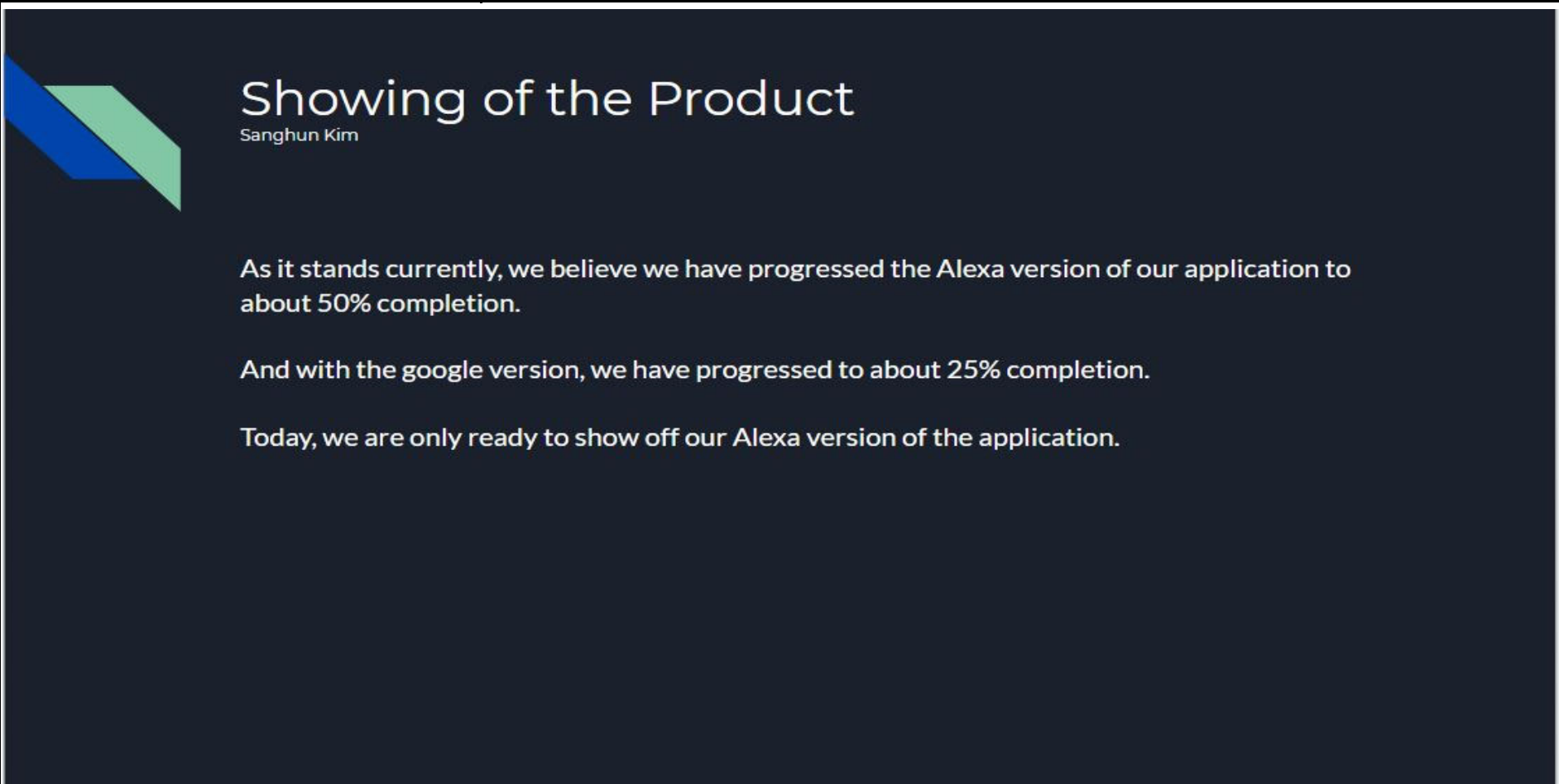
Thursday, May 23  
9:00AM - 5:00PM NZST

30 May 2019	23	Mentor Meeting	Demonstrate current state of the project / Discuss what we need to include in the mid-project progress review document
			Memory Game!

31 May 2019	300	Add features to 'Memory Game'	memory game Change features (Reset feature, Check opened boxes, in game logics) push to R&D github
2 June 2019	180	Refactoring Code	Refactor 'Memory Game' Polishing codes / fix bugs /testing

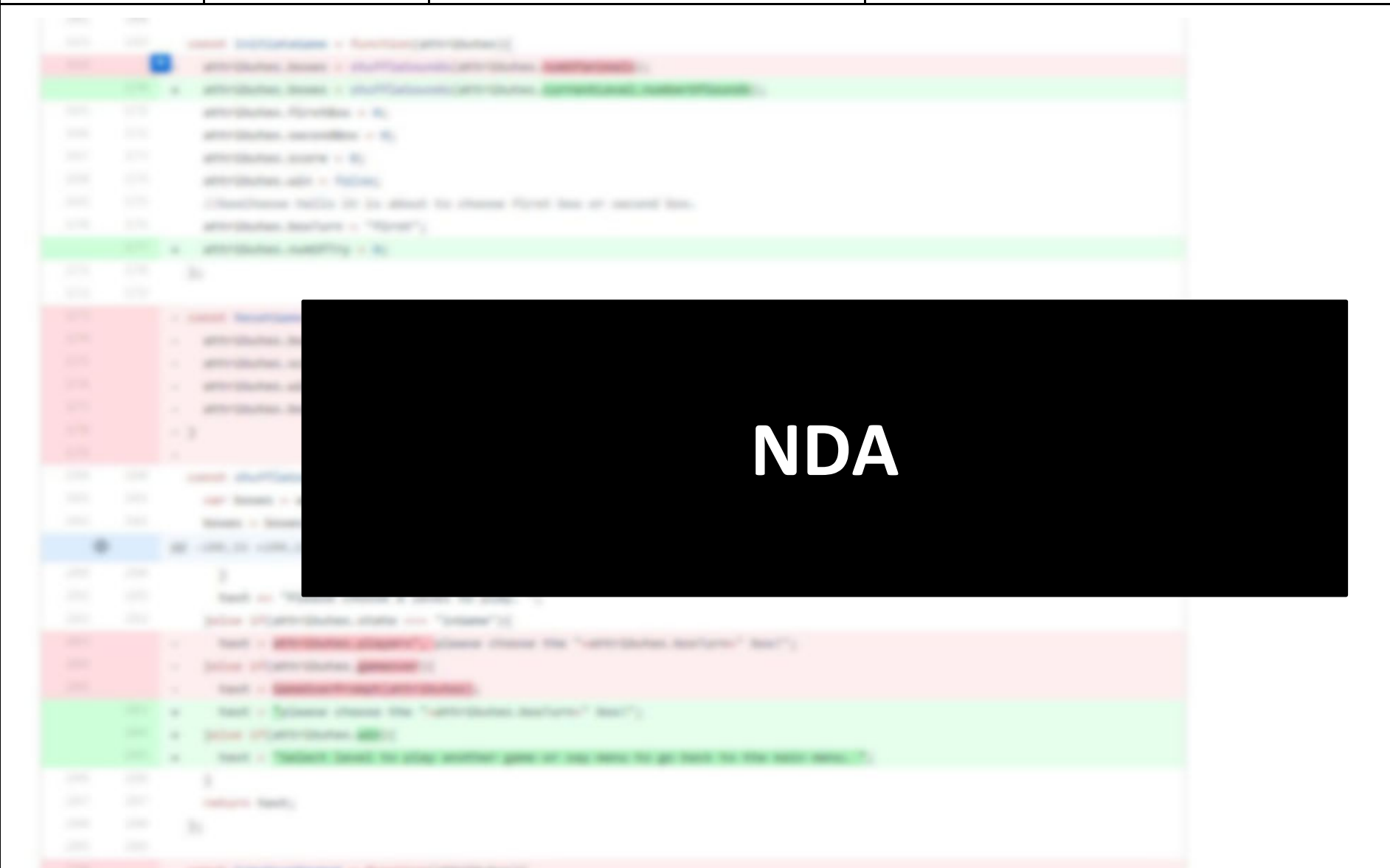


Week 13		2.5 Hours	
9 June 2019	86	Team discord meeting	Review status report / Create Mid-project progress review presentation slides / Planning flow of the presestation
9 June 2019	60	Prepare for mid project progree reiew	Prepare speech note and practice presentation



Week 14		2 Hours	
10 June 2019	120	Mid project progress Review	Present Mid-Project Progress review to Mentor and Moderator

S2 Week 1		7.2 Hours	
17 July 2019	70	Team meeting	Create a new timetable for semester 2 to arrange meetings Discuss current progress of both platform Check the course schedule
20 July 2019	120	Alexa Code Variables Refactoring	Refactor codes for maintaining code easily
21 July 2019	240	Individual Research	Research Alexa Persistent attributes <a href="https://developer.amazon.com/docs/alexa-skills-kit-sdk-for-nodejs/manage-attributes.html">https://developer.amazon.com/docs/alexa-skills-kit-sdk-for-nodejs/manage-attributes.html</a>



S2 Week 2		13.6 Hours	
23 July 2019	480	Rebuild Memory Game	Rebuild Alexa version Memory Game to fit our client's requirement 2 Player Versus mode => Single Player mode (with 6 levels)
24 July 2019	240	Rebuild Memory Game	Finish to rebuild alexa version memory game / Fix intents to fit new version/ Push to github
25 July 2019	92	Team meeting	Demonstrate Amazon Alexa, Google Home both platform memory game/ discuss overall flow of the game/ discuss how to track user score and score formula









**NDA**

Alexa team Discord Meeting	Working on updating code according to UI added with Howard
Alexa team Discord Meeting	Working on updating code according to UI added with Howard

Thank you for contacting the Amazon **Alexa** Skills Kit Support Team!

We received your message relating to Case # 6435817811. A team member will follow up with you as soon as possible.

To contact us again about this issue, please use the Contact Us form in the Distribution Portal using the following link:  
<https://developer.amazon.com/help/contact-us.html?caseID=6435817811>

Please note: this e-mail was sent from a notification-only address that cannot accept incoming e-mail. Please do not reply to this message.

Check out our knowledge base and forums here:  
<https://forums.developer.amazon.com/spaces/165/index.html>

=====

Here is your message to us:

INTERNAL\_SERVICE\_EXCEPTION is suddenly pops up when I launch my skill in Developer Console Simulator without reason. But it works on the **Alexa** application on the phone.

Skill ID: amzn1.ask.skill.1fcd4014-81ed-467c-a604-9fc0156fa2ee

Thank you

Testing Alexa Version Memory Game	Testing all functionality of Alexa Version Memory Game
Debugging and fixing bugs	Debugging and fix all the functionality bugs on the Alexa Version Memory Game

**NDA**

Working on Database	Working on Database for Ranking system
Working on Database	Finished Adopting Database / Rank System and push to GitHub

**NDA**

**13.9 Hours**







# NDA

```

+ // ...
+ speechOutput := speechContext
+ speechOutput := responseText
+
+ // ...
+ // @ChopperWithCharacterInput
+ handleInput(responseText)
+ type: "Class.Present"
+ document := responseText
+ dataSources := []
+
+ "speechData" := []
+
+ "speech" := "Do you really want to?",
+ "speech" := "Restart the Game?",
+ "speech" := "You will lose the score " + gameInfo.totalScore + "!",
+
+ }
+
+ }
+
+ }
+
+ }
```