

## **Skill Invocation Name: Ale's Quiz (KSJS Radio Quiz)**

Alexa Skills Kit (ASK)

### Project Charter/Plan

#### **General Project Information**

This Alexa tool is called Ale's Quiz. The questions consist of the radio station, in specific giving awareness to KSJS a student-run radio station.

Test: <https://a.co/8qYnhLi>

#### **Impact of Project**

This will increase awareness of this station and SJSU students will know that they offer upper-division credit that involves radioactivity. Since this station is student-run this will totally benefit the station by having more students' creativity when making projects for the station. This can be from making DJ promo posters or recording PSAs for the station to play on their station.

#### **Stakeholders**

The audience is SJSU students, including all age groups. In specific, those interested in becoming radio DJs or those who like making production projects. But also those who listen to local artists and would be interested in seeing them live and writing concert reviews.

#### **Project Scope Statement**

##### **Project Purpose**

The purpose of this project is to bring awareness to KSJS. Bring more SJSU students to participate in our classes offered. These classes prepare students to become radio DJs followed by board opting for sports games, and many more radio skills.

##### **Objectives**

- Increase awareness of KSJS
- Encourage SJSU students to join RTVF 121 KSJS radio activity upper-division course
- Help SJSU students build radio station skills

##### **Deliverables**

More participation of SJSU students in KSJS will bring more creativity to the station. Leading to having more projects and having diversity in the music being played. After

students take this class they will have additional radio skills they are encouraged to mention in their resume. Their experience here can allow them to join other local radio stations.

## **Scope**

Exclude: People that are not SJSU students, faculty, and staff.

Include: SJSU students

## **Milestones**

Starts April 9, 2022 - April 30, 2022

## **Communication Strategy**

After they take this quiz they are aware of another opportunity they can enroll in for upper-division credit. This will be communicated with other students by having a QR code of the quiz and giving them KSJS gear when completed. For example, when KSJS goes tabling we will offer this quiz for students to fill out.

## **Overview:**

The AI system being used is Alexa Skills Kit (ASK). The attributes for ASK include a key and a value. The key is enforced as a “String” type and the value is an unbounded “Object.” While doing the developer console module they mentioned that the text between the ‘single quotes’ is called a string, but can also be put within “double quotes.” In Module 4 of Building an Alexa skill, they inform us about backticks ( ` ) used to share the key with the tilde. This defines a special kind of string; a template string. “Template strings can have embedded variables and handle multiple lines, and they don't conflict with either type of quotation mark.” In other words, you can use them to present a long string in a more human-readable way in your code.

<https://developer.amazon.com/en-US/docs/alexa/workshops/build-an-engaging-skill/collect-slots/step1.html>

The attributes scopes include request, session, and persistent attributes. “For session and persistent attributes, you must ensure that value types are serializable so they can be properly stored for subsequent retrieval.” In other words, for those sessions, you have to make sure the value types are published or arranged in regular installments or series in order to correctly store them and succeed when obtaining material stored in a computer system. This only applies to session and persistent attributes because the request is not persistent outside of the request processing lifecycle.

<https://developer.amazon.com/en-US/docs/alexa/alexa-skills-kit-sdk-for-nodejs/manage-attributes.html>

### **Methodology:**

Alexa developer console - Alexa Presentation Language (APL)

I chose the Alexa developer because I am more aware of how the Alexa tool works and I have one at home. In specific, I chose this ALP chatbot because it involved using an “invocation” phase meaning it's the name Alexa uses to identify the skill you are requesting. When I would use the Alexa tool I always wanted to be able to share my top songs with the local radio stations, so later on I would enjoy listening to them on the radio. With the APL people will be able to ask and listen to their desired music. Then, the list of their top played music will be shared on radio stations, where they can see the updated popular songs.

### **Process**

I followed the Q & A template on amazon blueprints. I then made my own questions and answers. When making the questions I had to do some research about the KSJS station in order to have the answers correctly. After making the questions I published and shared my quiz as a skill.

### **Edge Cases:**

Some potential error I went through was not being able to share it with others. This had me use a completely different blueprint in order to share it with others. The blueprint did not allow me to title it “KSJS Radio Quiz” so I had to name it “Ale’s quiz.”