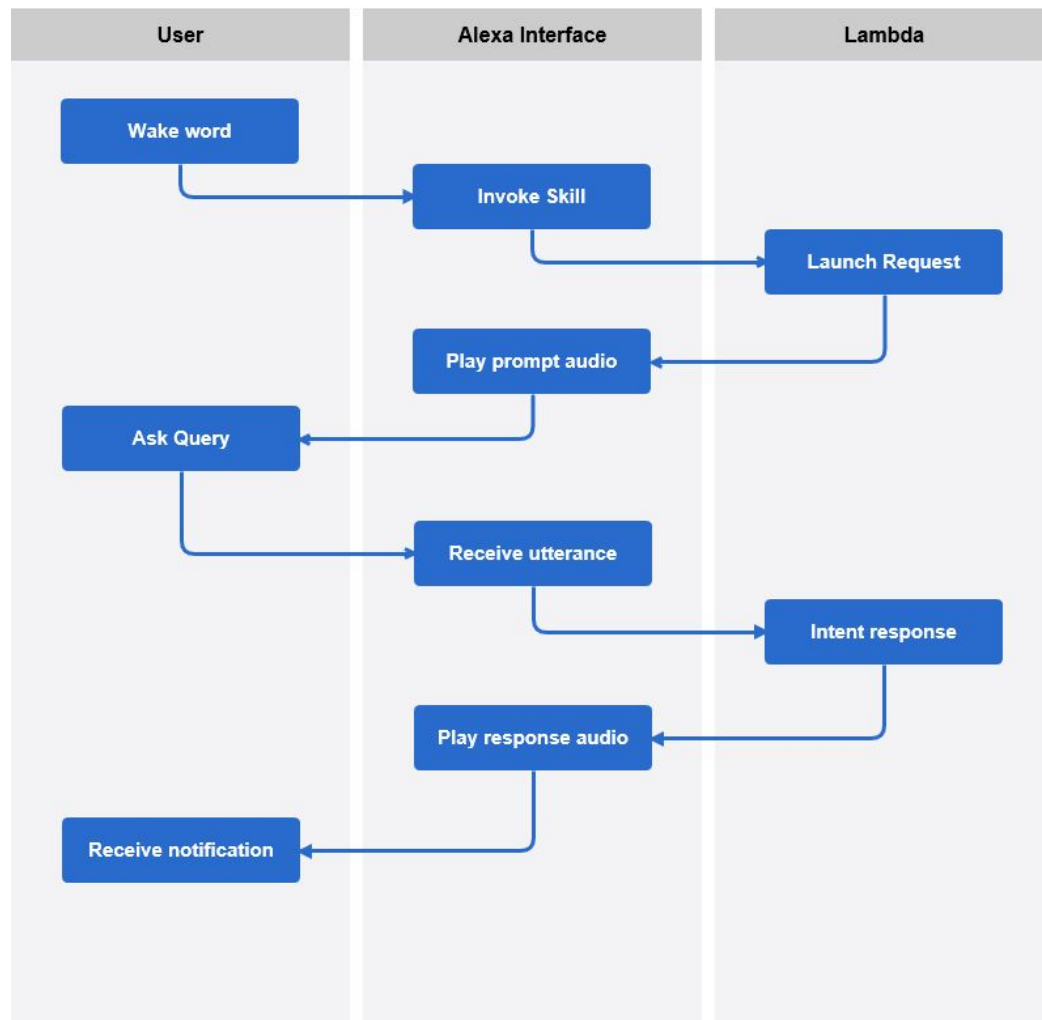# CSUN University Calendar

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Sprint Details

- Sprint 1:
  - Register with Amazon account (AWS and Alexa Skills Kit)
  - Set up an AWS Lambda endpoint
  - Create a new Alexa skill
  - Add sample utterances and intents
- Sprint 2:
  - Alexa will respond about the events from CSUN University Calendar by given time-frame
  - Alexa will give more details about the event by given event number
  - Display info on Alexa app

Technology Stack

- Node.js (along with alexa-sdk module)
- JSON
- Alexa skill test package
- Mocha testing framework
- AWS Lambda
- Alexa Skills Kit (Developer Account)

Testing

1. Bespoken

- Steps:
  - Create an account in bespoken (https://bespoken.tools/dashboard/)
  - Add a new project for your skill
  - Provide the skill ID and validate the skill
  - Provide the input (given to the device)
  - Provide the response for the input
  - Run the test cases
- Limitations:
  - The virtual device used for converting text-to-speech and speech-to-text is not accurate.
  - Cannot maintain sessions to test sequential scripts

2. Alexa skill testing package

- Steps:
  - Install "alexa-skill-test-framework"
  - Write test-scripts in mocha
  - Provide alexa skill ID and the NodeJS provided in AWS Lambda
  - Run and test the output
- Limitations:
  - Cannot maintain sessions to test sequential scripts