Custom Skill Major Components

- Interaction Model

  - Intents

  - Utterances

  - Slots

  - Dialog

- Skill Handler

Intents

- Actions that will fulfil a user's request

- Something the user is trying to accomplish

  - Book a trip

  - Look up information

  - Create a reservation

Utterances

- Spoken phrases from the user

- Need to be mapped to intents

- User > *"Turn on the lab exhaust fan"*

- You define different possible combinations of phrases that can invoke your intents

Slots

- Values needed to fulfil an intent

  - Toppings for a pizza

  - Dates you want to book your trip

  - Date/Time for your dinner reservation

Dialog Model

- Steps for multi-turn conversation

- Needed if many slots are required to complete an intent

- Navigates the user through a complex conversational flow

Skill Handler

- Backend service to process requests sent to an Alexa Skill

- Can be hosted on Amazon Web Services as a Lambda function or you can host on your own server

- Many libraries exist to create skill handlers

  - e.g. Java, Node.js, Python