Making a Chatbot with Amazon Lex

Step 1
Sign in to your AWS Educate account at **www.awseducate.com** and access your AWS Educate Starter Account by selecting "**AWS Account**" in the top banner.

Step 2
Search **"Amazon Lex"** in the search bar in the AWS Management console. Select the service to get started.

Step 3
On the Amazon Lex dashboard, select "**Create**" to make a new chat bot.

Step 4
On the create your bot page, select "**Custom Bot**" and provide the Bot name, Language, Output voice, Session timeout, and select "**No**" for COPPA. Select "**Create**" when you're ready to proceed.

Step 5
Create your first intent by clicking the blue "**+Create Intent**" button. On the Add intent box, select "**Create intent.**" Name your intent, and select **"Add."**

Provide your sample utterances (phrases/questions that invoke the intent), slots (data you will ask the user for), and confirmation prompt. "**Save intent**" when you are finished.
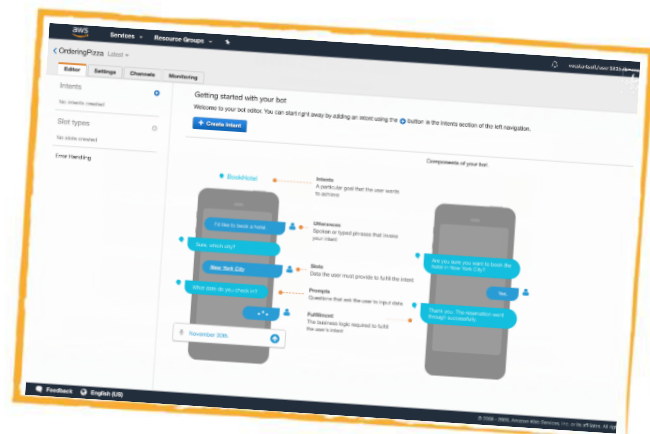
Step 6

To create a custom slot, select the **"+"** in the left side menu next to Slot types. In the Add slot type pop up, select "**Create slot type**."

Enter a slot type name and description for your slot type. Then add the values for your slot. When you've finished, select "**Add slot to intent**."

Continue this step until all of your slots are complete.

Step 7

When you're finished making edits, build your bot by clicking the "**Build**" button at the top of your console.

Step 8

Test out your chat bot by expanding the "**Test Chatbot**" panel on the right side of the console. Start by typing one of the utterances you created for your bot.

Step 9

After you test your chatbot and are ready, select the blue "**Publish**" button to finish your project.

Vocabulary to Remember

✛ Intents: A particular goal that the user wants to achieve

✛ Utterances: Spoken or typed phrases that invoke your intent

✛ Slots: Data the user must provide to fulfill the intent

✛ Prompts: Questions that ask the user to input data

✛ Fulfillment: The business logic required to fulfill the user's intent