

Lesson 6

(5 min)

Logistics

- Does everyone have their local dev environments set up? Progress check

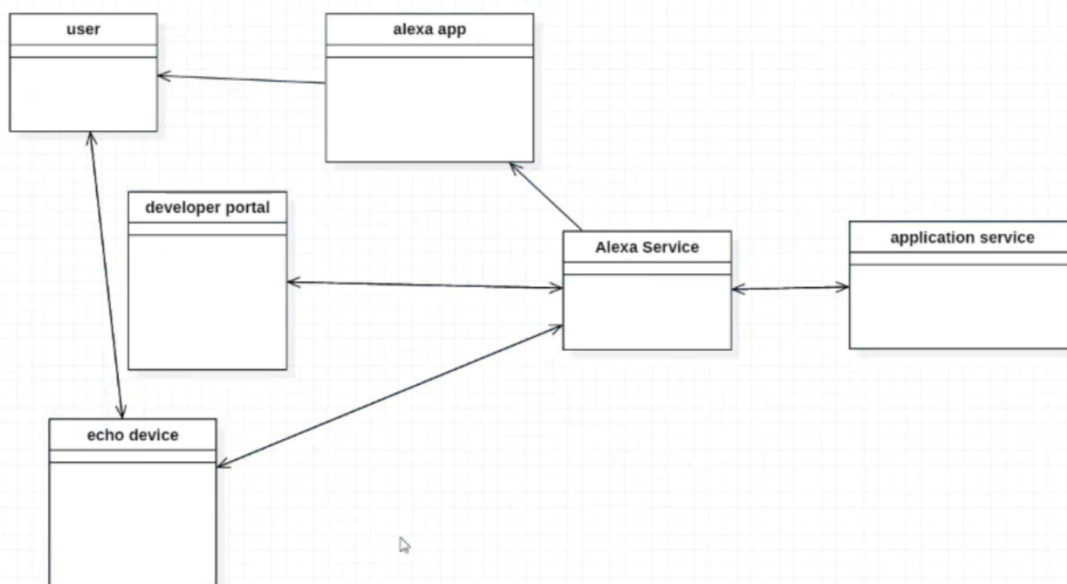
(5 min)

Cool Alexa Skill demo: 1-2 students

Talk about it with respect to 7 UX factors

(15 min)

Alexa Components Recap — show the diagram below / [components handout](#)



1. **Alexa Developer Portal** — <https://developer.amazon.com/>
 - a. Point out where this is on the architectural flow diagram
 - b. Skill Information
 - c. Interaction Model — this is the voice interface through which users interact with the skill
 - i. Create [Intents, Utterances, and Slots](#)
 - d. Configuration — indicate what the endpoint refers to
 - e. Test - Service Simulator
2. **AWS Lambda** — <https://console.aws.amazon.com>
 - a. This is a server less computing platform provided by Amazon as a part of AWS

- b. It is basically a compute service that runs code in response to events and automatically manages the compute resources required by that code
 - c. So all we have to do is give the service that code, and it will take care of the rest for us
 - d. Show code — in Eclipse
 - e. Talk about how to upload code to Lambda function — upload as a jar file
 - i. Need to use Maven (build automation tool) to build the jar file with all the dependencies
- 3. Demo — “Alexa open hello world demo”
 - a. Type into simulator
 - b. Say to Echo
 - c. Uh oh... she couldn't respond properly

(15 min)

Breakout groups — Zoom

Your task:

- Look at Java service code (in codeshare.io) and determine the flow for a sample request
- Highlight / comment lines that you don't understand
- ASK Java docs
 - <https://developer.amazon.com/public/solutions/alexa/alexa-skills-kit/javadocs/alexa-skills-kit-java-library-reference>
 - Use this to understand what's going on in the Service code
- Figure out what's wrong — why isn't she responding?
 - “Alexa, open hello world demo”
 - “Welcome to the Alexa Skills Kit, you can say hello”
 - “Hello”
 - “There was a problem with the requested skill's response.”

(10 min)

Whole class — BlueJeans

- Did anyone manage to fix the error?
- One group present their path flow for a sample request
- What did you not understand?
- Does anyone have answers?

(5 min)

Wrap Up