Prototyping for VUI

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yo/**vui-design**

Workshop Goals

To co-discover interesting interaction paradigms for VUI

To assess a workflow/tool that is used for rapid voice experimentation

To gain exposure to the latest enhancements in voice design

Workshop Overview

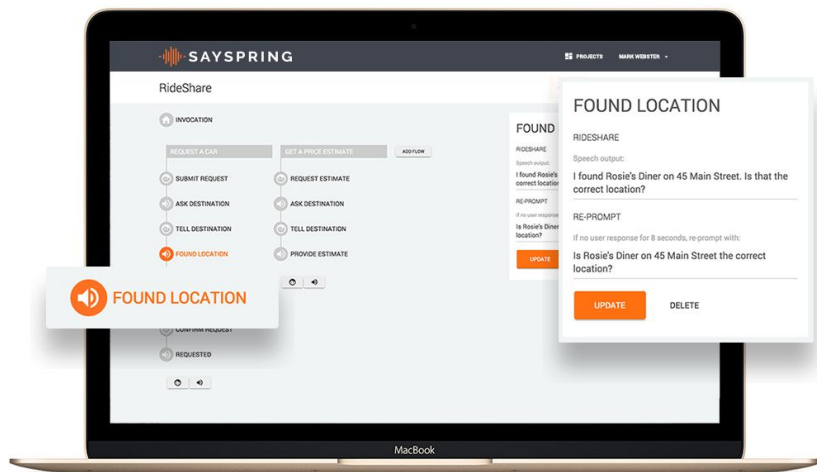Introduction - 20 min

Activity - 45 min
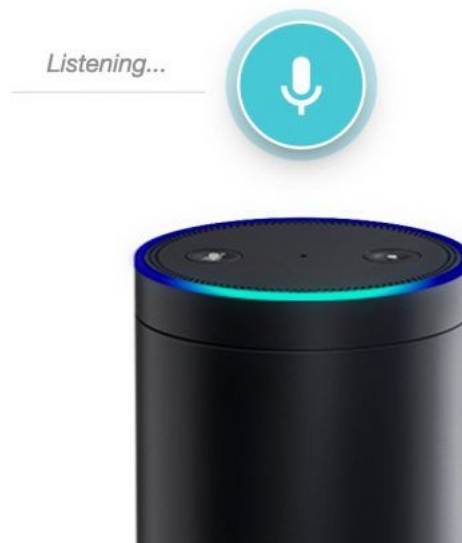
Demos + Discussion - 25 min
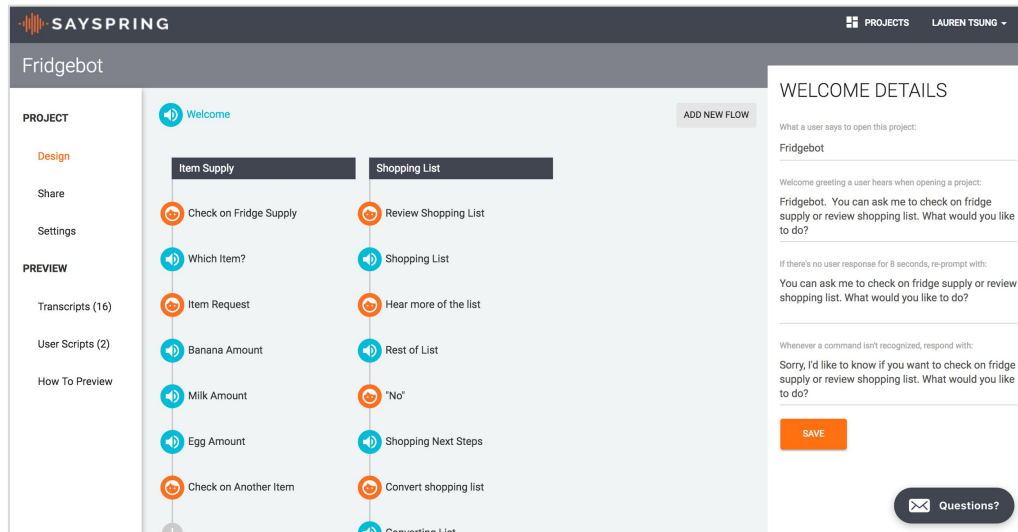
Introduction

20 Minutes

Today we will...

Prototype with Sayspring

Simulate with Echosim
or Reverb

FridgeBot Example

yo/**vui-workshop-docs**

SSML

SSML is **Speech Synthesis Markup Language**

It allows you add treatment to pronunciation with code markup

Alexa now supports a wider range of **natural expression**

Examples

<say-as **interpret-as="ordinal"**>1</say-as>

<say-as **interpret-as="characters"**>read</say-as>

Speechcons

These are reserved speechcons Alexa supports

They are a type of SSML

🎤 "Duh!"

🎤 "Woo hoo!"

🎤 "Bada bing, bada boom!"

Activity

45 Minutes

Activity Recommendations

Try to map out 2 short flows for your Voice Bot on Alexa

Bonus: Include an SSML tag to enhance Alexa's voice

Demos and Discussion

25 Minutes

Guiding Points

Simulate prototype on Echosim or Reverb

What were some interesting discoveries: w/ tool, VUI, Alexa?

What were some trouble spots when designing for voice (as opposed to GUI and chatbot IxD)?

Resources

SSML

W3 Speech Synthesis Documentation

Amazon SSML Reference

Amazon Natural Expression Article

Microsoft SSML Reference

Speechcon

Amazon Speechcon Reference (NEW)

Speech Recognition APIs

Web Speech API Demo

Mozilla's Web Speech API