# MyBarkeeper

User Interfaces Summer 2022 - Alexa Skill

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# Features

- Random Cocktail
- Last Cocktail
- Search by ingredient
- Favorite Cocktail
- Instructions
- Personalized and dynamic interactions

# Cocktail Card with picture and instructions

Blueberry Mojito

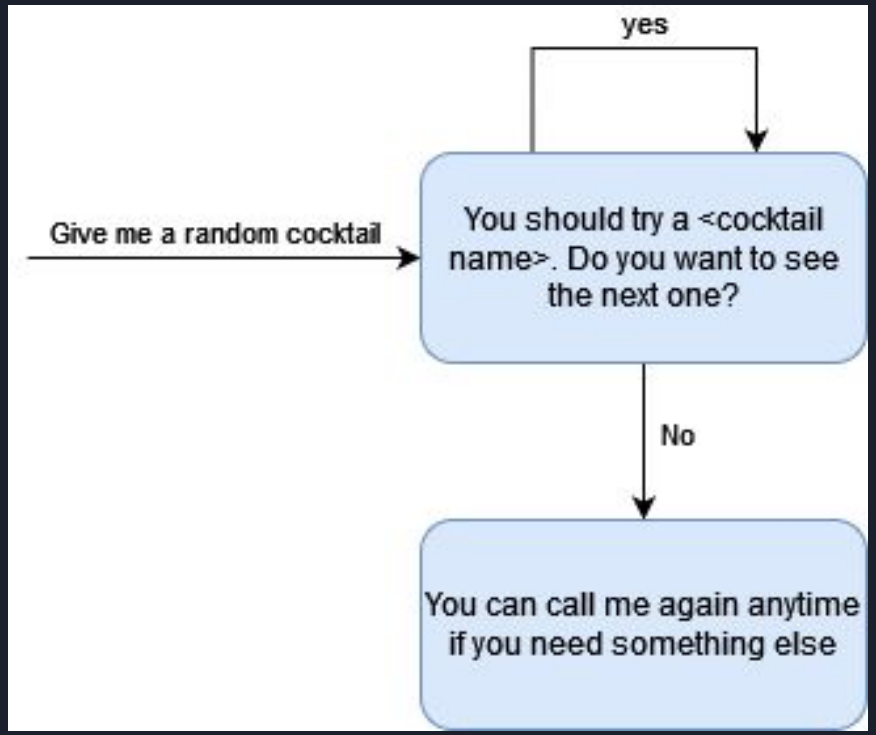
Ingredients:

- 2 shots Dark Rum
- 1 shot Lime Juice
- Dash Sugar
- Whole Blueberries
- Top Lemon-lime soda

Instructions:
Muddle the blueberries with the other ingredients and serve in a

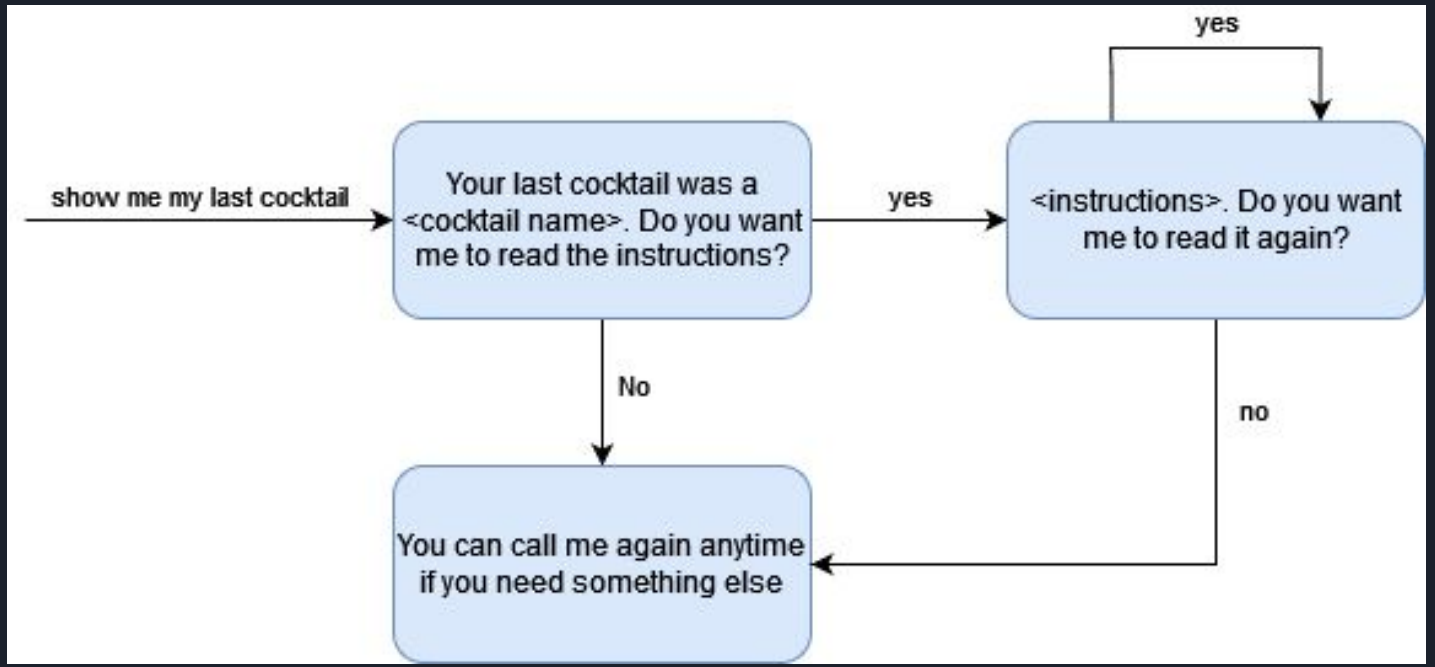
# Random Cocktail

Alexa suggests a random cocktail from the database



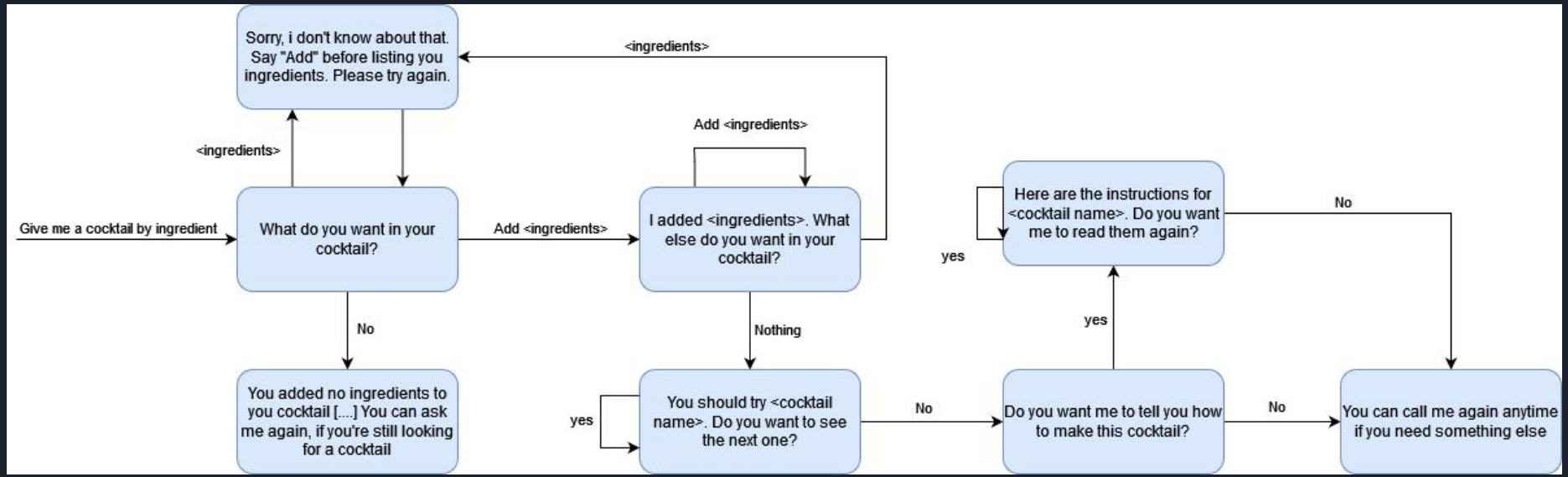
# Last Cocktail

Alexa recalls the last cocktail



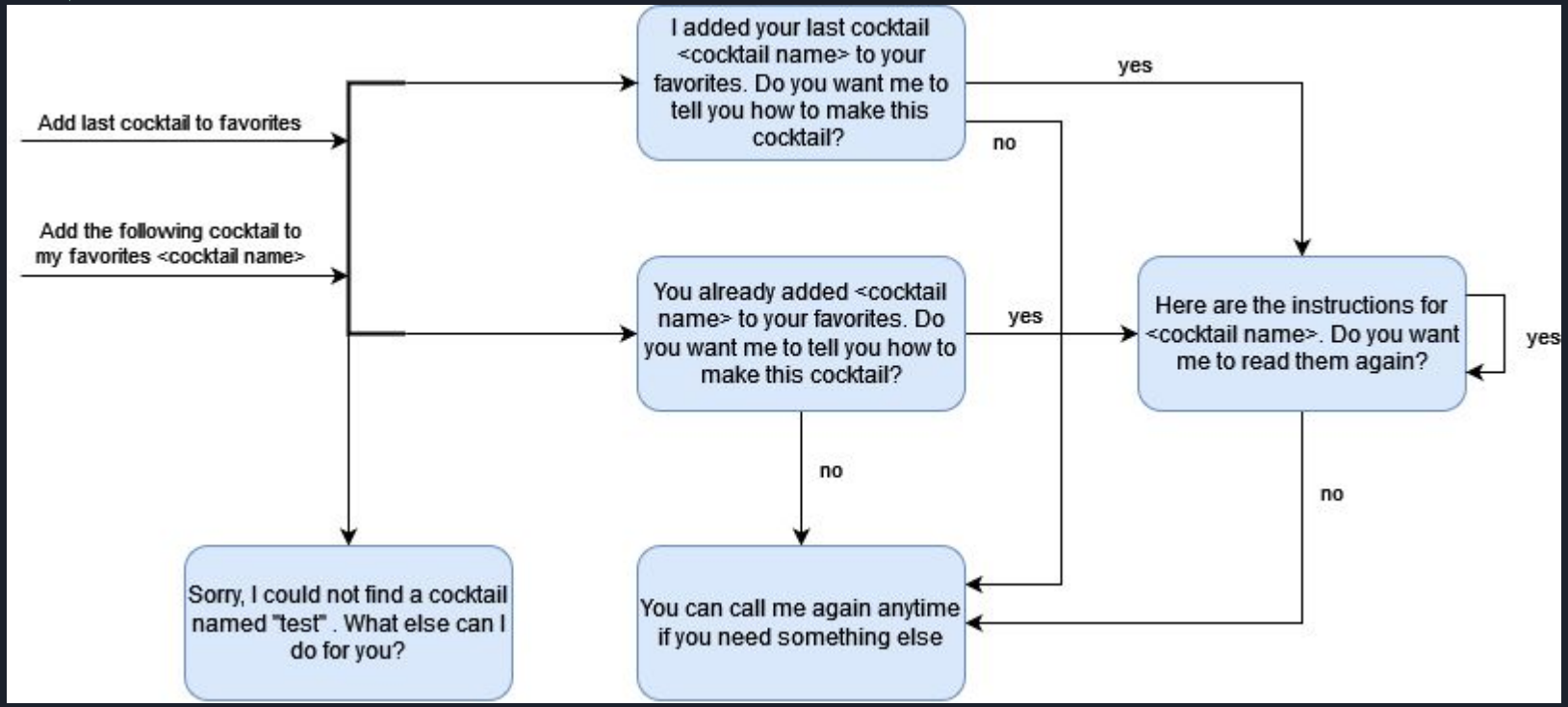
# Search by ingredient

Tell Alexa which ingredients you want in your cocktail and she will try to find a suitable one



# Favorite Cocktail

Add cocktails to your favorites list or remove them



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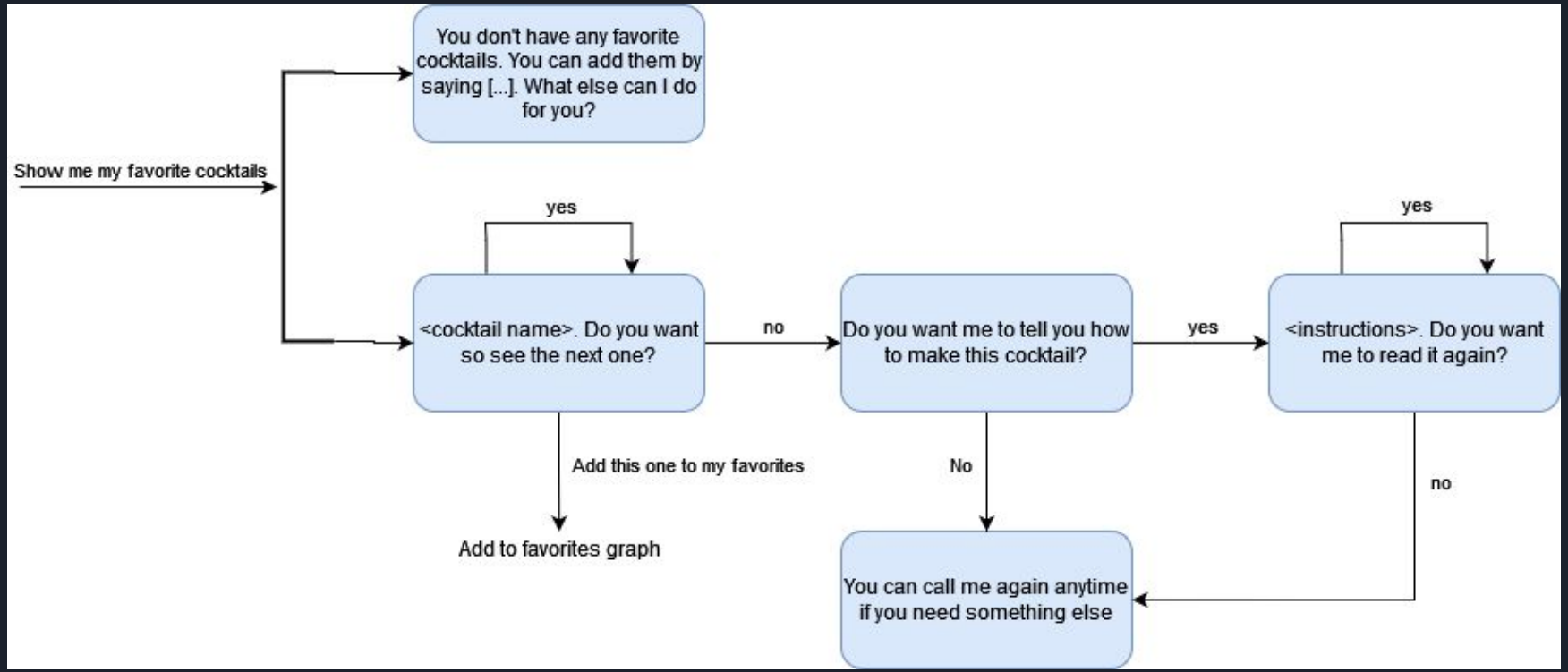

# Favorite Cocktail

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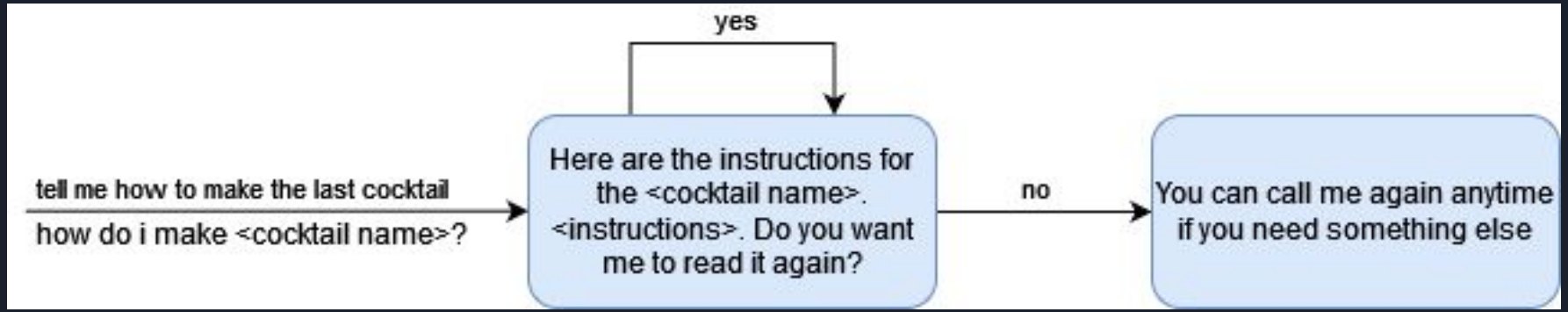
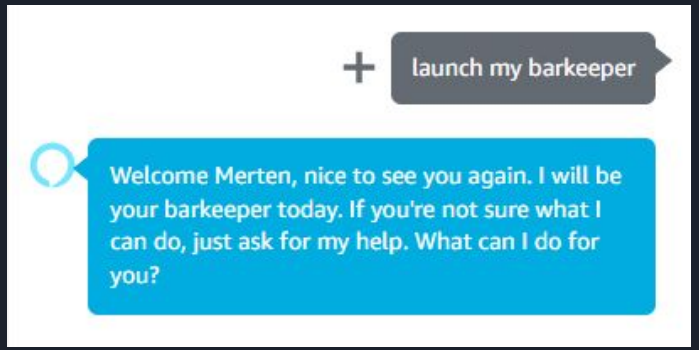
# Instructions

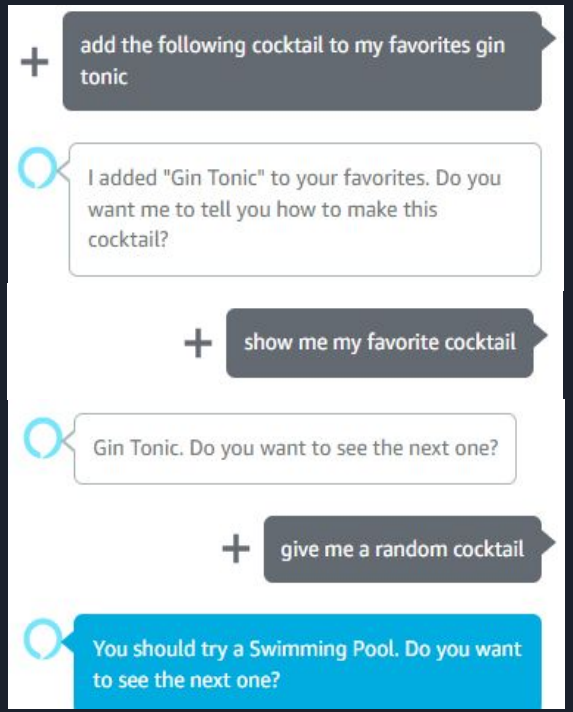
Alexa asks you if you want to know the instructions to the currently shown cocktail
You can tell Alexa to read the instructions of any cocktail



# Personalized and dynamic interaction

Alexa will greet you by your Amazon name
Alexa remembers your personal favorite cocktails and your last cocktail
You can move from almost one subskill to another with no problems



# Evaluation

Complexity

- broad selection of subskills
- external tools
  - DynamoDB
  - Log in with Amazon
  - proprietary cocktail API

Robustness

- Alexa will tell you exactly what is happening, what you can do, and help you with your interactions

Adaptability

- dynamic (you can switch to almost any skill at any time)
- personalized
  - greeting
  - favorites list
  - last cocktail
- instructions

# Difficulties and Perspectives

- Add own cocktail
  - Technical difficulties with databases
- Shopping list
  - Technical difficulties with Amazon's API
- Alexa's speech recognition fails sometimes. Written utterances usually work flawlessly
- Alexa debugging and Amazon's web IDE
- More dynamic utterances
  - Some utterances feel forced due to how Amazon requires certain slot types

➔ In general, most difficulties were due to how inaccessibly Amazon provides its services

That's all Folks!