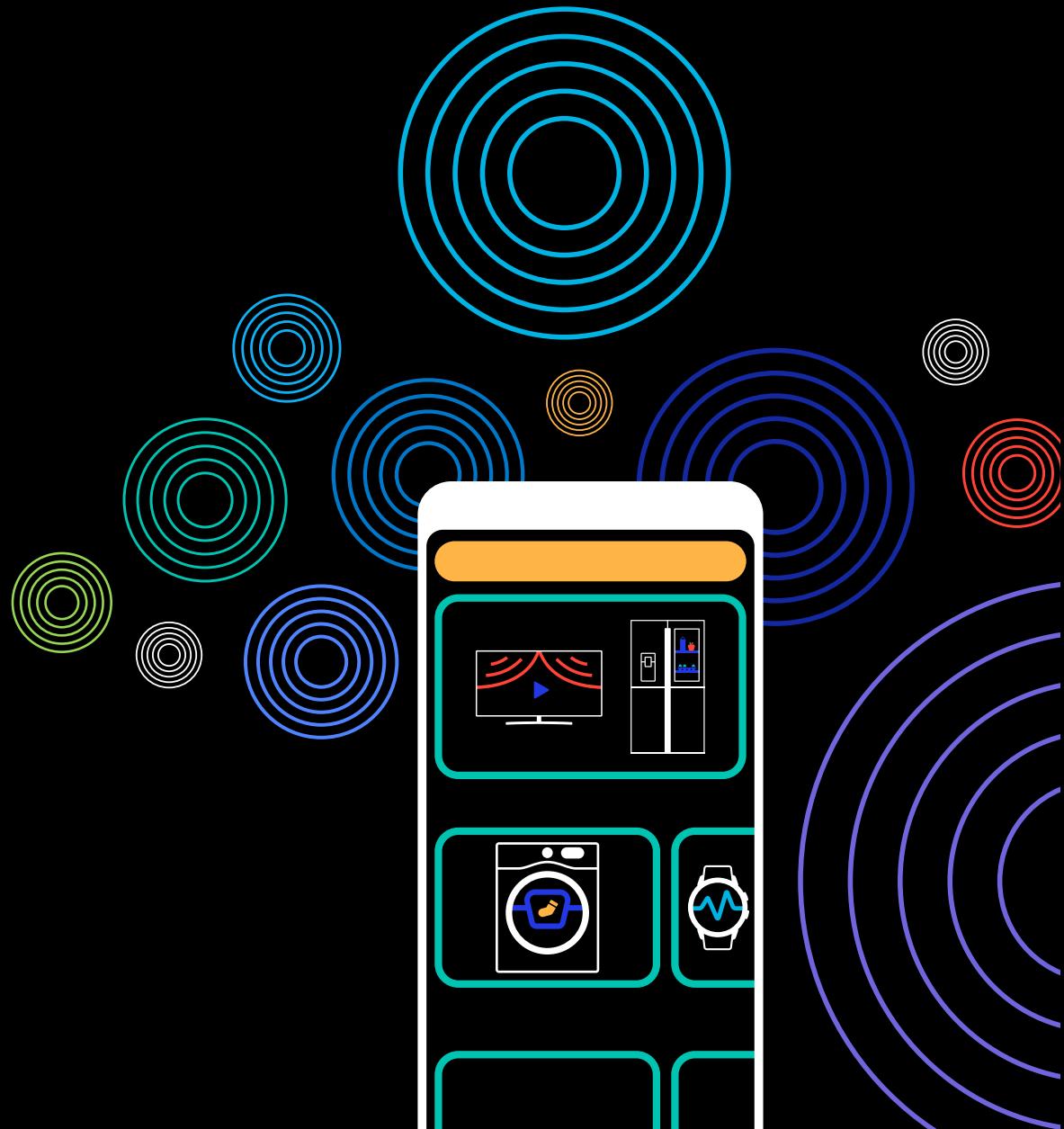


# Sample Capsules & Inspiration!

Bixby Developer Sessions

Roger Kibbe  
Developer Evangelist  
@rogerkibbe

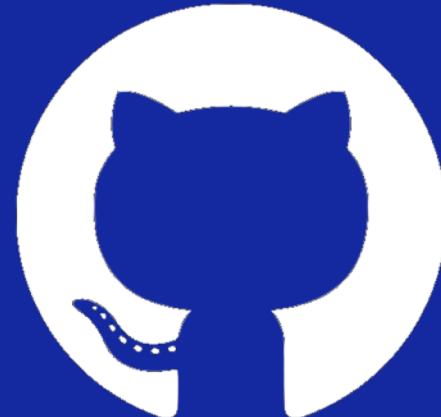


# Bixby 101 Video



# Bixby on Github

[github.com/bixbydevelopers](https://github.com/bixbydevelopers)



# Fact Sample Capsule

<https://github.com/bixbydevelopers/capsule-sample-fact>

- Fact voice applications tell you a fact/joke about something.
- Can also setup simple Q&A



Bixby Simulator

Enter Utterance in the control panel

# Fact Sample Capsule - Customizing

- Edit code/content.js to customize
- JSON Format
  - text: required – the fact
  - image: optional but suggested
  - tags: optional – allow searching

```
{  
  text: "It would take a sloth one month to travel one mile",  
  image: {  
    url: "images/sloth.png"  
  },  
  {  
    text: "10% of the World's population is left handed"  
  },  
  {  
    tags: ["quotes", "sayings"],  
    text: "A broken clock is right two times every day",  
    image: {  
      url: "images/clock.png"  
    },  
  },  
},
```

# Fact Sample Capsule - Spreadsheet “customizing the easy way”

text (fact)



tag



image url



text	tag (optional)	Image URL (optional)	tag_processing (ignore)	values for the content.js file (copy and paste all lines below this - everything in blue)
The tongue of a blue whale weighs more than most elephants		whale.png		{text: "The tongue of a blue whale weighs more than most elephants", image: {url: "images/whale.png"}},
A cow gives nearly 200,000 glasses of milk in a lifetime		cow.png		{text: "A cow gives nearly 200,000 glasses of milk in a lifetime", image: {url: "images/cow.png"}},
Dolphins sleep with one eye open		dolphin.png		{text: "Dolphins sleep with one eye open", image: {url: "images/dolphin.png"}},
What do you call a cold dog?... A chili dog!	dog, dogs	dog1.jpg	["dog", "dogs"]	{tags: ["dog", "dogs"], text: "What do you call a cold dog?... A chili dog!", image: {url: "images/dog1.jpg"}},

Spreadsheet location  
contentUtility/CreateContent.xlsx



Copy and paste into  
content.js

# Fact Sample Capsule - API Call

- Try “Tell me a dad joke”
- Makes an API call to [icanhazdadjoke.com](http://icanhazdadjoke.com)

## Customizing

- API call: `code/lib/getRemoteContent.js`
- See `code/GetContent.js` which calls above code

# Fact Sample Capsule - Customizing Summary

- Edit `content.js` (use spreadsheet)
- Or call an API – `getRemoteContent.js`
- Change training
- Change tags
- Tags + training = large customizations possible

<https://github.com/bixbydevelopers/capsule-sample-fact>

# Fact Sample Capsule - Ideas



History  
Facts



Dad  
Jokes



Tech  
Facts



Geography  
Facts



Animal  
Jokes



Music  
Facts



President  
Facts



Crossed  
the Road  
Jokes

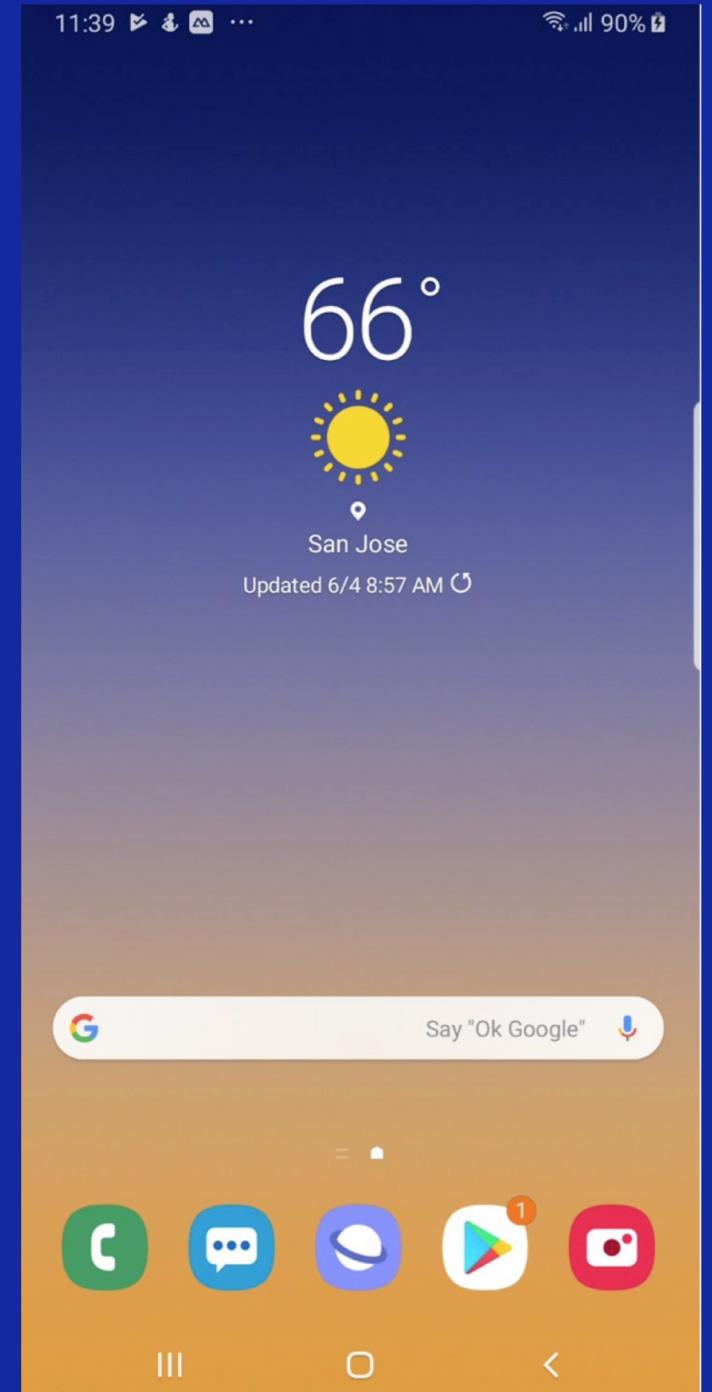


Sports  
Facts

# Quiz Sample Capsule

<https://github.com/bixbydevelopers/capsule-sample-quiz>

- Create a quiz
  - Multiple choice
  - Free entry



# Quiz Sample Capsule - Customizing

- Edit code/data/quizzes.js to customize
- JSON Format
- Metadata
  - title – Quiz title
  - tags – Search tags
  - image – Quiz image
- questions – Array of questions
  - question – Question
  - options (optional)
    - Multiple choice options
    - No options = free text
  - answer
    - Option array index
    - Text options
  - explanation (optional) – explains answer – shown if answered wrong

```
// Start of president quiz
{
  title: "President Quiz",
  tags: ["president", "presidents"], //used to find this quiz
  image: {
    url: '/images/President.jpg'
  }, //optional
  questions: [
    {
      question: "Which president said 'Efforts and courage are not enough without purpose and direction.'?",
      options: ["Kennedy", "Obama"],
      answer: 0
    },
    {
      question: "Which president said 'Men are not prisoners of fate, but only prisoners of their own minds?'",
      options: ["Hoover", "Roosevelt", "Truman"],
      //you can provide a list of accepted answers instead of giving an index to the options
      answer: ["Roosevelt", "FDR", "Franklin Roosevelt", "Franklin D Roosevelt"],
    },
    {
      question: "Which president said 'Speak softly, and carry a big stick?'",
      //you have to provide a list of accepted answers if there are no options
      answer: ["Teddy Roosevelt", "Roosevelt", "Theodore Roosevelt"],
      //you can optionally provide an explanation
      explanation: "That famous quote describes Teddy Roosevelt's foreign policy"
    }
  ]
},
```

# Quiz Sample Capsule - Spreadsheet “customizing the easy way”

metadata



Spreadsheet location  
`contentUtility/CreateQuizContent.xlsx`

Title	States Quiz				
Tags	states, state, united states				
Image	us_map.png				
Question - required	Options - optional	Answer - required	Explanation - optional	Computed - ignore	{ title: "States Quiz", tags: ["states", "state", "united states"], image: { url: '/images/us_map.png' }, questions: [
Which state has the nickname 'Spud State'?	Idaho, Wyoming, Florida	Idaho	Idaho is well known for growing potatoes and thus the nickname, Spud State	options: ["Idaho", "Wyoming", "Florida"] answer: "Idaho"	{question: "Which state has the nickname 'Spud State'", options: ["Idaho", "Wyoming", "Florida"], answer: "Idaho", explanation: "Idaho is well known for growing potatoes and thus the nickname, Spud State"}]
Which state has the nickname 'Peach State'?	Hawaii, California, Georgia		2	options: ["Hawaii", "California", "Georgia"] answer: 2 options:	{question: "Which state has the nickname 'Peach State'", options: ["Hawaii", "California", "Georgia"], answer: 2},

↑  
question    options    answer    explanation

↑  
Copy and paste into  
quizzes.js

# Quiz Sample Capsule - Customizing Summary

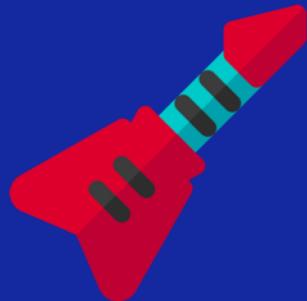
- Edit quizzes.js (use spreadsheet)
- Other ideas
  - Buzzfeed style quiz
  - Add images to questions

<https://github.com/bixbydevelopers/capsule-sample-quiz>

# Quiz Sample Capsule - Ideas



States &  
Capitals  
Quiz



Music  
Quiz



Video Game  
Quiz



Presidents  
Quiz



Movies  
Quiz



TV  
Quiz



Language  
Quiz



Art  
Quiz



Sports  
Quiz

# Sample Collection

<https://github.com/bixbydevelopers/capsule-samples-collection>

Cookbook of sample collections - Particularly useful:

- Bixby Views: Result UI Views
- HTTP API Calls: Sample HTTP calls
- Input Forms: Input Forms

SAMPLE  
CODE

# Free/Royalty Free Graphics \*



ICONS

[iconbros.com](http://iconbros.com)



GRAPHICS

[unsplash.com](http://unsplash.com)

[icons8.com](http://icons8.com)

[pixabay.com](http://pixabay.com)

\*You may need to credit – especially for something public like a capsule.  
Check the license. Put credits in the capsule description

# Thank you & Questions

Roger Kibbe | Developer Evangelist | Twitter: [@rogerkibbe](https://twitter.com/rogerkibbe)

# Sample Capsule Links

Fact:

<https://github.com/bixbydevelopers/capsule-sample-fact>

Edit data: code/content.js

Spreadsheet: contentUtility/CreateContent.xlsx

Quiz:

<https://github.com/bixbydevelopers/capsule-sample-quiz>

Edit data: code/data/quizzes.js

Spreadsheet: contentUtility/CreateQuizContent.xlsx

Sample Collection:

<https://github.com/bixbydevelopers/capsule-samples-collection>

Twitter  
#BDS19

Twitter  
#BDS19

