

DevJam 2019

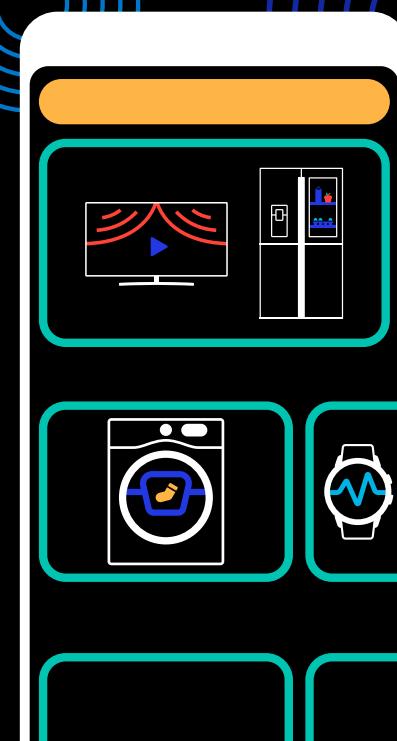
Tips & Tricks on Capsule Approvals

Jonathan Pan

Technical Evangelist

Viv Labs / Samsung Bixby

@JohnWithoutTheH



Introductions



Jonathan Pan

- Developer Evangelist
- Winner of the 2019 Internal Hackathon
- Has 4 too many cats (meow)

@JohnWithoutTheH



Roger Kibbe

- Senior Developer Evangelist
- Winner of the 2018 Bixby Hackathon
- Father of two daughters
- UC Berkeley Graduate – Go Bears!

@rogerkibbe



001

Detailed Deployment Checklist

Bixby Deployment Checklist

tinyurl.com/BixbyChecklist

A	B	C	D	E	F				
	COMMON FAIL POINTS ARE HIGHLIGHTED	Updated November 2019. I will do my best to update this once a month.							
YouTube Playlist:	https://www.youtube.com/playlist?list=PLE9wDcpAxXg_U7alDWme4gAM-KAPuMwJE								
Documentation Deployment Checklist:	https://bixbydevelopers.com/dev/docs/dev-guide/developers/deploying								
capsule.bxb	Done	Required	Consequence	Notes	Documentation				
version	<input type="checkbox"/>	<input checked="" type="checkbox"/>	FAIL	CAN'T SUBMIT Must increment for every public submission.	https://bixbydevelopers.com/dev/docs/dev-guide/developers/capsule/basics#version				
store-sections - must have a store section	<input type="checkbox"/>	<input checked="" type="checkbox"/>	FAIL	1 most relevant store section. Can be in 2 store sections if justified.	https://bixbydevelopers.com/dev/docs/dev-guide/developers/capsule/basics#store-sections				
Capsule Info file. Usually found in resources/en-US. You might need to create your own if it's not in your project directory.									
capsule-info.bxb	Done	Required	Consequence	Notes	Documentation				
display-name - must be defined	<input type="checkbox"/>	<input checked="" type="checkbox"/>	FAIL	What your capsule displays as in the Marketplace.	https://bixbydevelopers.com/dev/docs/dev-guide/developers/capsule/basics#display-name				
display-name - can't include "test", "beta", "dev", etc.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	FAIL	"trivia genie test" will be a fail	https://bixbydevelopers.com/dev/docs/reference/bixby-spec/display-name				
developer-name - must be defined	<input type="checkbox"/>	<input checked="" type="checkbox"/>	FAIL	What your capsule displays as your developer name in the Marketplace.	https://bixbydevelopers.com/dev/docs/reference/bixby-spec/developer-name				
icon-asset - must be defined	<input type="checkbox"/>	<input checked="" type="checkbox"/>	FAIL	Must be .png format and 1:1 ratio. Don't use Bixby logo or other major brands without consent	https://bixbydevelopers.com/dev/docs/reference/bixby-spec/icon-asset				
description - must be defined	<input type="checkbox"/>	<input checked="" type="checkbox"/>	FAIL	Must accurately describe what your capsule does.	https://bixbydevelopers.com/dev/docs/reference/bixby-spec/description				
dispatch-name - must be defined	<input type="checkbox"/>	<input checked="" type="checkbox"/>	FAIL	At least two words or a compound word. Words like "The" do not count.	https://bixbydevelopers.com/dev/docs/reference/bixby-spec/dispatch-name				
dispatch-name - must work with ASR	<input type="checkbox"/>	<input checked="" type="checkbox"/>	FAIL	Try speaking your dispatch name into the simulator / on-device testing. Bixby must be able to pick it up	https://bixbydevelopers.com/dev/docs/reference/bixby-spec/dispatch-name#work-with-asr				
dispatch-name - can't be too generic	<input type="checkbox"/>	<input checked="" type="checkbox"/>	FAIL	Something like "trivia game" is too generic but "trivia genie" is fine	https://bixbydevelopers.com/dev/docs/reference/bixby-spec/dispatch-name#not-too-generic				
dispatch-name - must be unique	<input type="checkbox"/>	<input checked="" type="checkbox"/>	FAIL	Search the Marketplace for your dispatch name	https://bixbydevelopers.com/dev/docs/reference/bixby-spec/dispatch-name#must-be-unique				
dispatch-name - must be nearly identical to display-name	<input type="checkbox"/>	<input checked="" type="checkbox"/>	FAIL		https://bixbydevelopers.com/dev/docs/reference/bixby-spec/dispatch-name#nearly-identical-to-display-name				
dispatch-name - avoid using homophones	<input type="checkbox"/>	<input type="checkbox"/>	FAIL/WARNING	ASR issues.	https://www.rhymezone.com/				
dispatch-aliases - Follows all dispatch-name rules	<input type="checkbox"/>	<input type="checkbox"/>	FAIL	Many capsules fail in the review process here. Use only if you think you need them.	https://bixbydevelopers.com/dev/docs/reference/bixby-spec/dispatch-aliases#follows-dispatch-name-rules				
dispatch-aliases - Limited use cases	<input type="checkbox"/>	<input type="checkbox"/>	FAIL	Mainly for adding/removing the word "the", plural variations, and combining/splitting compound words.	https://bixbydevelopers.com/dev/docs/reference/bixby-spec/dispatch-aliases#limited-use-cases				
dispatch-aliases - No synonyms	<input type="checkbox"/>	<input type="checkbox"/>	FAIL	Don't use dispatch-aliases to replace words with synonyms.	https://bixbydevelopers.com/dev/docs/reference/bixby-spec/dispatch-aliases#no-synonyms				
dispatch-aliases - Not to be used to fix ASR issues	<input type="checkbox"/>	<input type="checkbox"/>	FAIL	If you're having ASR issues, the variation is usually too huge for dispatch aliases to account for.	https://bixbydevelopers.com/dev/docs/reference/bixby-spec/dispatch-aliases#not-to-be-used-to-fix-asr-issues				
website-url - must be valid link and relevant	<input type="checkbox"/>	<input type="checkbox"/>	FAIL	If included, must link to valid and relevant url.	https://bixbydevelopers.com/dev/docs/reference/bixby-spec/website-url#must-be-valid-link-and-relevant				
terms-url - must be valid link and relevant	<input type="checkbox"/>	<input type="checkbox"/>	FAIL	If included, must link to valid and relevant url.	https://bixbydevelopers.com/dev/docs/reference/bixby-spec/terms-url#must-be-valid-link-and-relevant				
privacy-policy-url - must be valid link and relevant	<input type="checkbox"/>	<input type="checkbox"/>	FAIL	If included, must link to valid and relevant url. Needed for user-profile-access. Might be required in the future.	https://bixbydevelopers.com/dev/docs/reference/bixby-spec/privacy-policy-url#must-be-valid-link-and-relevant				
search-keywords - must be relevant	<input type="checkbox"/>	<input type="checkbox"/>	WARNING	Recommended to have some relevant search keywords. 10 max. No "Apple", "Google", "Samsung"	https://bixbydevelopers.com/dev/docs/reference/bixby-spec/search-keywords#must-be-relevant				
Hints file. Usually found in resources/en-US. You might need to create your own if it's not in your project directory.									
hints.bxb	Done	Required	Consequence	Notes	Documentation				
hints - At least 3. Must be properly formatted	<input type="checkbox"/>	<input checked="" type="checkbox"/>	FAIL	All 3 hints are top level utterances and MUST WORK!	https://bixbydevelopers.com/dev/docs/dev-guide/developers/capsule/hints#at-least-3-hints				
hints - work with ASR (AKA voice)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	FAIL	MUST WORK WITH VOICE! The user can say the entire hint and ASR should be able to pick it up.	https://bixbydevelopers.com/dev/docs/dev-guide/developers/capsule/hints#work-with-asr				
hints - Hint variations must work	<input type="checkbox"/>	<input checked="" type="checkbox"/>	FAIL	Test variations of hints with voice. Improper error handling will fail your capsule. Watch Video 3	https://bixbydevelopers.com/dev/docs/dev-guide/developers/capsule/hints#hint-variations-must-work				

002
Common Rejections

Metadata

- Store Section
 - Must have at least 1 store section
 - Recommended to only have 1 store section
- Website URL
 - Optional
 - Must be relevant to your capsule
- Icon Asset
 - Don't use the template's Bixby logo
 - Make sure it's a square and .png format



Dispatch Names

• **MUST WORK WITH ASR!**

- Must not be too generic
- Must be at least 2 words



Dispatch Aliases

• OPTIONAL

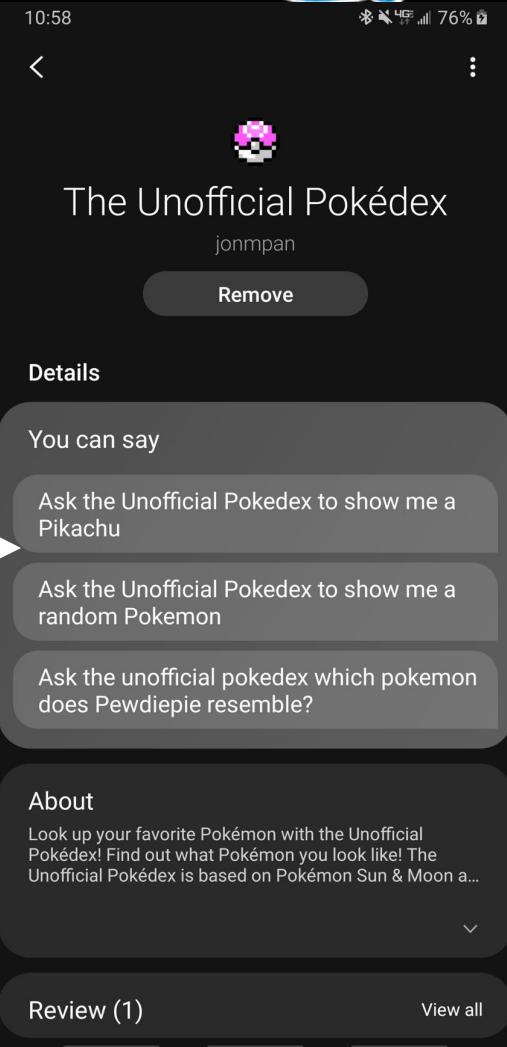
- Small variants of your capsule's dispatch name
- Not for synonyms!
- Useful for removing the word “the”
- Useful for plural variants of your dispatch name



Hints

pokedex.hints.bxb

```
hints {  
    uncategorized {  
        hint (Ask the Unofficial Pokédex to show me a Pikachu)  
        hint (Ask the Unofficial Pokédex to show me a random Pokemon)  
        hint (Ask the unofficial pokedex which pokemon does Pewdiepie  
resemble?)  
    }  
}
```



Hints

•MUST WORK WITH ASR!

- Top Level
- Must work and return reasonable results
- Small variations of your hints must work as well
- Test thoroughly!



003
UI/UX Rejections

Dialog

- Don't use default dialogs
 - "Here's what I found"
 - "I need a {blank} to continue"
- Don't repeat dialog in dialog section and the view
- Read what's in the dialog



Tappable Components

Tappable components in Bixby have a lightbox around them indicating they can be tapped. Tappable components MUST BE tappable.

Cards like cell-card, image-card, etc are expected to be tappable.

No lightboxes

These are cell-cards which have lightboxes and must be tappable

D Light Blue
Your Answer: A Time Spent: 2.528 seconds
In which fast food chain can you order a Jamocha Shake?
 Arby's
 McDonald's
C Wendy's
D Burger King
Your Answer: B Time Spent: 5.437 seconds

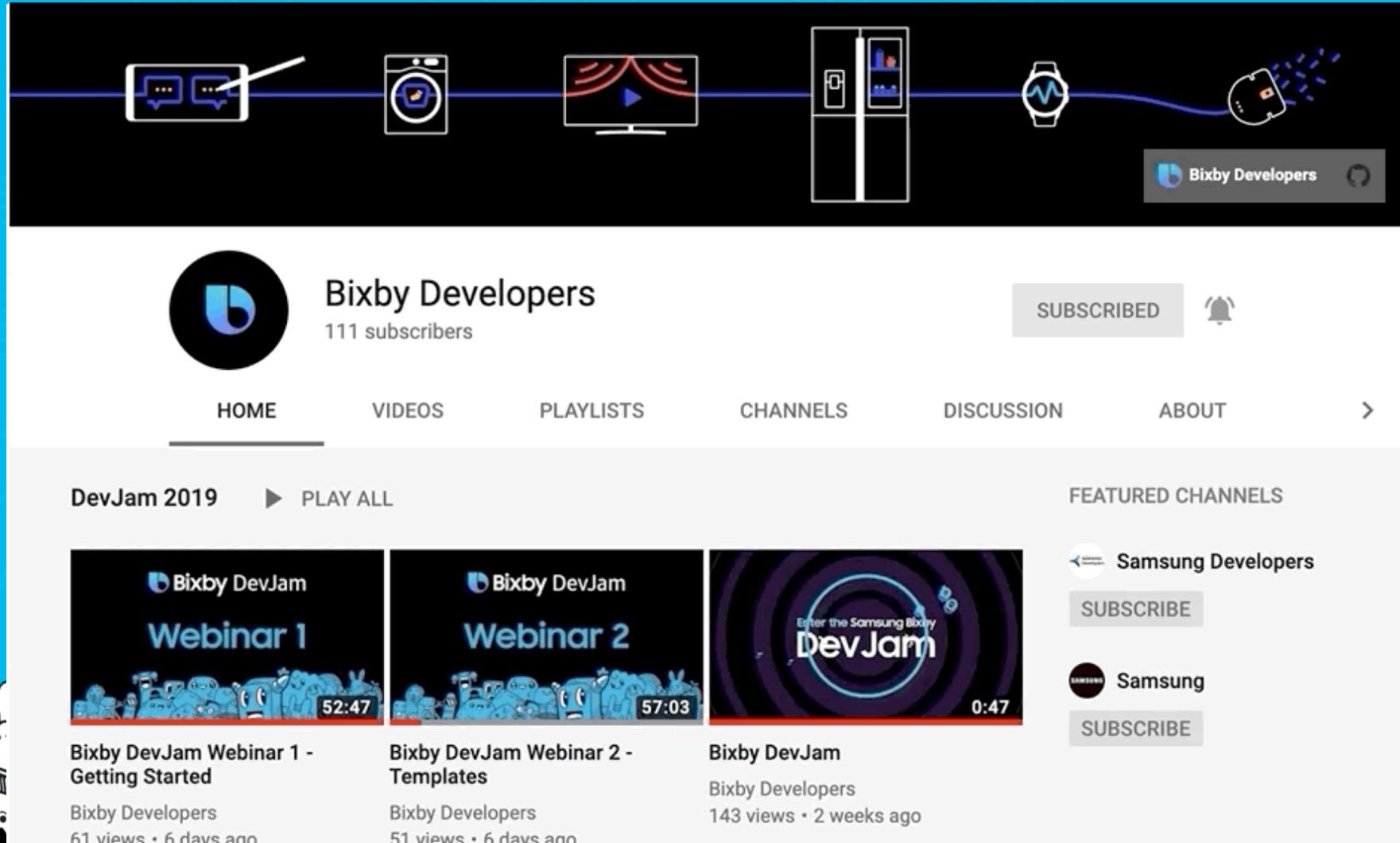
Q Click me to play again!
🎲 Click me for a random quiz!

Thank you for playing QuizIt! QuizIt is free and was made by some guy who needed something to do when driving home from work.

New Game

YouTube

www.youtube.com/c/bixbydevelopers



The image shows a screenshot of a YouTube channel page for "Bixby Developers". The channel has 111 subscribers and is marked as "SUBSCRIBED". The "HOME" tab is selected. A banner at the top features icons for various smart devices: a speaker, a camera, a TV, a refrigerator, a watch, and a speakerphone. Below the banner, there's a "DevJam 2019" section with links to "Webinar 1" and "Webinar 2". There are also sections for "FEATURED CHANNELS" showing "Samsung Developers" and "Samsung". The overall theme is dark with blue and white accents.

Bixby Developers

111 subscribers

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DevJam 2019 ► PLAY ALL

Bixby DevJam Webinar 1 52:47

Bixby DevJam Webinar 2 57:03

Bixby DevJam 0:47

Bixby DevJam Webinar 1 - Getting Started

Bixby Developers 61 views • 6 days ago

Bixby DevJam Webinar 2 - Templates

Bixby Developers 51 views • 6 days ago

Bixby DevJam

Bixby Developers 143 views • 2 weeks ago

FEATURED CHANNELS

Samsung Developers

SUBSCRIBE

Samsung

SUBSCRIBE

Thank you

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Do more with Bixby

SAMSUNG