

A Bixby Studio Tutorial

Bixby Capsule Approval Process

How to get your Bixby Capsule into the Marketplace

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Bixby Capsule Approval Process

How to get your Bixby Capsule into the Marketplace

Frequent Rejections – Dispatch Names and Dispatch Aliases

Frequent Rejections – Hints and Testing ASR

Frequent Rejections – UI/UX

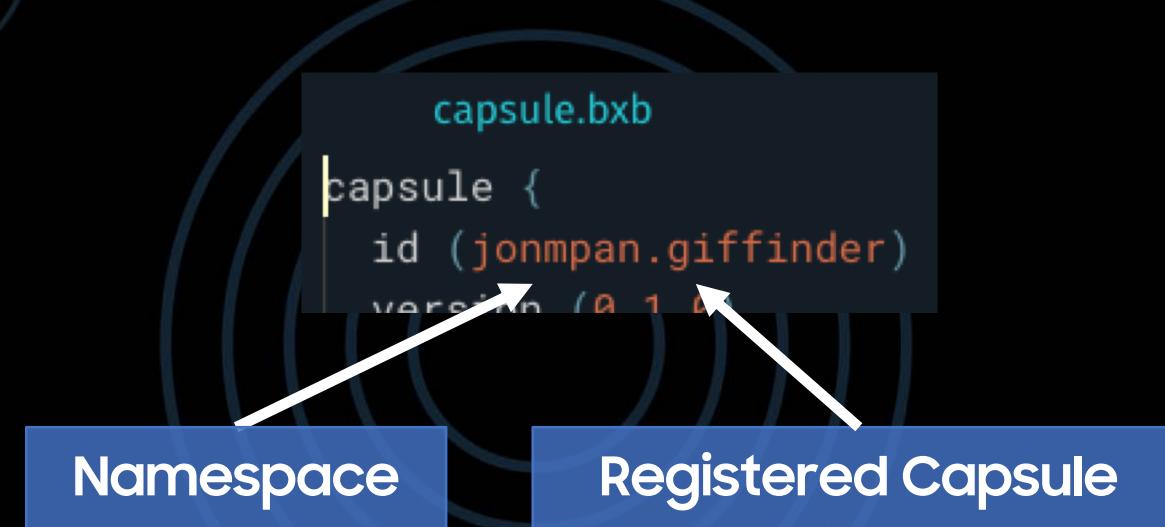
Steps

- Register your capsule
- Deployment checklist
- Submit your capsule

Register Your Capsule

<https://bixbydevelopers.com/dev/marketplace>

1. Create a Namespace
2. Register your capsule



Deployment Checklist

Google Spreadsheet

Spreadsheet Link in Description

A	B	C	D	E	F
COMMON FAIL POINTS ARE HIGHLIGHTED		Updated September 2019			
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"/>	CANT SUBMIT	Must increment for every public submission.	https://bixbydevelopers.com/dev/docs/dev-guide/developing-capsules/basics/capsule-file#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/developing-capsules/basics/capsule-file#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.

A	B	C	D	E	F
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/developing-capsules/basics/capsule-file#display-name
display-name - must not include "test", "beta", etc	<input type="checkbox"/>	<input checked="" type="checkbox"/>	FAIL	"trivia genie test" will be a fail	https://bixbydevelopers.com/dev/docs/reference/tutorials-and-best-practices/capsule-best-practices/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/tutorials-and-best-practices/capsule-best-practices/developer-name
icon-asset - must be defined	<input type="checkbox"/>	<input checked="" type="checkbox"/>	FAIL	Must be .png format and 1:1 ratio.	https://bixbydevelopers.com/dev/docs/reference/tutorials-and-best-practices/capsule-best-practices/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/tutorials-and-best-practices/capsule-best-practices/description
dispatch-name - must be defined	<input type="checkbox"/>	<input checked="" type="checkbox"/>	FAIL	Must work with ASR (Audio Speech Recognition). Must be unique! Many rules, check docs.	https://bixbydevelopers.com/dev/docs/reference/tutorials-and-best-practices/capsule-best-practices/dispatch-name
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/tutorials-and-best-practices/capsule-best-practices/dispatch-name
dispatch-name - must be unique	<input type="checkbox"/>	<input checked="" type="checkbox"/>	FAIL	Searching Marketplace for your dispatch name can help you avoid this fail	https://bixbydevelopers.com/dev/docs/reference/tutorials-and-best-practices/capsule-best-practices/dispatch-name
dispatch-name - must be nearly identical to display-name	<input type="checkbox"/>	<input checked="" type="checkbox"/>	FAIL		https://bixbydevelopers.com/dev/docs/reference/tutorials-and-best-practices/capsule-best-practices/dispatch-name
dispatch-aliases - must be nearly identical to dispatch name	<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/tutorials-and-best-practices/capsule-best-practices/dispatch-aliases
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/tutorials-and-best-practices/capsule-best-practices/website-url
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/tutorials-and-best-practices/capsule-best-practices/terms-url
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/tutorials-and-best-practices/capsule-best-practices/privacy-policy-url
search-keywords - must be relevant	<input type="checkbox"/>	<input type="checkbox"/>	FAIL	Recommended to have some relevant search keywords. 10 max. No "Apple", "Google", "Samsung"	https://bixbydevelopers.com/dev/docs/reference/tutorials-and-best-practices/capsule-best-practices/search-keywords

Hints file. Usually found in resources/en-US. You might need to create your own if it's not in your project directory.

A	B	C	D	E	F
resources/en-US/hints.bxb	Done	Required	Consequence	Notes	Documentation
hints - At least 3. Must be properly formatted. Look at docs.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	FAIL	All 3 hints are top level utterances and MUST WORK WITH VOICE! TEST!	https://bixbydevelopers.com/dev/docs/dev-guide/developing-capsules/basics/hints
hints - work with ASR (AKA voice). Test thoroughly with voice	<input type="checkbox"/>	<input checked="" type="checkbox"/>	FAIL	MUST WORK WITH VOICE! Improper error handling for hint variations will fail your capsule.	https://bixbydevelopers.com/dev/docs/dev-guide/developing-capsules/basics/hints
hints - No typos	<input type="checkbox"/>	<input type="checkbox"/>	FAIL		https://bixbydevelopers.com/dev/docs/dev-guide/developing-capsules/basics/hints

UI/UX can fail your capsule! Please make sure you don't violate any of the following rules.

How it looks on the Marketplace

```
capsule-info.bxb
capsule-info {
    display-name (The Unofficial Pokédex)
    developer-name (jonmpn)
    icon-asset (/images/new-logo-2.png)
    description (Look up your favorite Pokémon with the Unofficial Pokédex! Find out what Pokémon you look like! The Unofficial Pokédex is based on PokéMon Sun & Moon and PokéMon Go)
}

hints.bxb
hints {
    uncategorized {
        hint (Ask the Unofficial Pokedex to show me a Pikachu)
        hint (Ask the Unofficial Pokedex to show me a random Pokemon)
        hint (Ask the unofficial pokedex which pokemon does Pewdiepie resemble?)
        hint (With the unofficial pokedex, which pokemon does Bob Marley resemble?)
        hint (Using the unofficial pokedex, which pokemon does Pewdiepie resemble?)
    }
}
```

The image shows two screenshots of the Bixby Marketplace and Capsule Page for 'The Unofficial Pokédex'.

Marketplace Screenshot: Shows the capsule listing for 'The Unofficial Pokédex' by 'jonmpn'. It has a 5-star rating and the description: "Ask the unofficial pokedex which pokemon does Pewdiepie resemble?".

Capsule Page Screenshot: Shows the details page for 'PIKACHU' (#25). The page includes the following information:

- Image:** Pikachu
- Name:** PIKACHU #25
- Height:** 0.4m
- Weight:** 6.0kg
- Type:** ELECTRIC
- Pokédex Entry:** Its nature is to store up electricity. Forests where nests of Pikachu live are dangerous, since the trees are so often struck by lightning.
- Actions:** You can say: "Ask the Unofficial Pokedex to show me a Pikachu", "Ask the Unofficial Pokedex to show me a random Pokemon", or "Ask the unofficial pokedex which pokemon does Pewdiepie resemble?"
- About:** Look up your favorite Pokémon with the Unofficial Pokédex! Find out what Pokémon you look like! The Unofficial Pokédex is based on PokéMon Sun & Moon a...
- Review:** Review (1)
- View all:** View all

Submit Your Capsule

<https://bixbydevelopers.com/dev/marketplace>

- Make a public submission in Bixby Studio IDE
- Click submit at bixbydevelopers.com
- Wait for us to review it! GLHF

Deployment Checklist

<https://bixbydevelopers.com/dev/docs/dev-guide/developers/deploying>

capsule.bxb

- Version Number
- store-sections
- targets

capsule-info.bxb

- display-name
- icon-asset
- description
- dispatch-name
- dispatch-alias
- developer-name
- search-keywords
- urls

hints.bxb

- At least 3 hints

capsule.bxb

<https://bixbydevelopers.com/dev/docs/dev-guide/developers/deploying.checklist>

Version Number

- REQUIRED
- Public submission version number
- Must be incremented for each public submission

store-sections

- Required
- Must make sense for your capsule to be in said store section
- Strongly recommend just one store section
- Can have 2 store sections if appropriate

targets

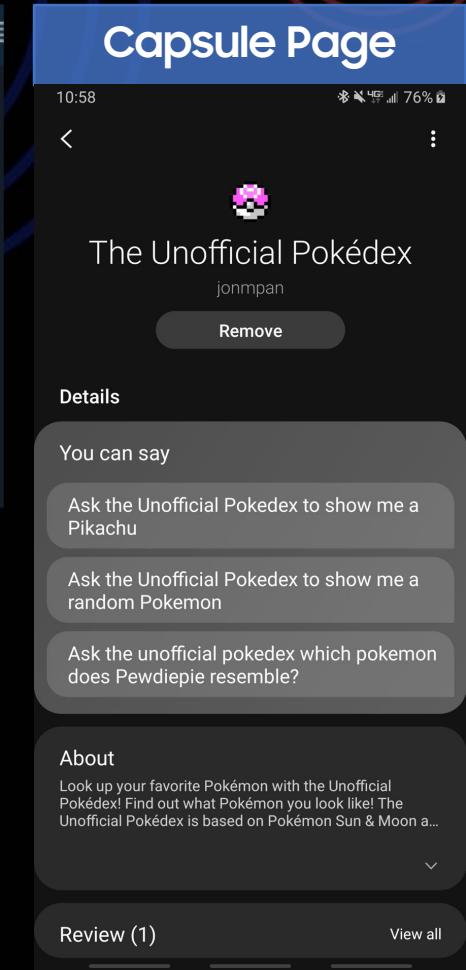
- "bixby-mobile-en-US"

capsule-info.bxb - description

description

- **Required**
- **Shown on your capsule page in the about section.**
- **Must accurately describe what your capsule does.**

```
capsule-info.bxb
1 capsule-info {
2   display-name (The Unofficial Pokédex)
3   developer-name (jonmpn)
4   icon-asset (/images/new-logo-2.png)
5   description (Look up your favorite Pokémon with the Unofficial Pokédex! Find out what Pokémon you look like! The Unofficial Pokédex is based on Pokémon Sun & Moon and is a free, unofficial, fan made capsule. The Unofficial Pokédex has no affiliation and is not supported by GAME FREAK, Nintendo, or the Pokémon company. Some images used are copyrighted and supported under fair use. Pokémon and Pokémon character names are trademarks of Nintendo. No copyright infringement intended.)
```



capsule-info.bxb - Dispatch Name

dispatch-name

- Required
- Should match display-name
- Must work with ASR (Audio Speech Recognition)
- Test thoroughly on-device and/or with the IDE
- "Bixby" is not allowed in the dispatch-name
- Can't be too generic. "Game" or "Maps" are too generic.
- Dispatch-name must be unique. Since "Sleep Sounds" is taken, you can't take it as your dispatch-name.
- Capitalization does not matter.
- More rules, check docs.

dispatch-aliases

- Optional
- Should have the same meaning and be a variation of what the user might say to dispatch your capsule.
- Not intended for use with synonyms.

OK Alias

"The unofficial pokedex"

FAIL Alias

"Informal pokedex"

```
capsule-info.bxb
capsule-info {
    display-name (The Unofficial Pokédex)
    developer-name (jonmpn)
    icon-asset (/images/new-logo-2.png)
    description (Look up your favorite Poké
Pokédex! Find out what Pokémon you look
Pokédex is based on Pokémon Sun & Moon a
fan made capsule. The Unofficial Pokédex
not supported by GAME FREAK, Nintendo, o
images used are copyrighted and supporte
and Pokémon character names are trademark
copyright infringement intended.)
    search-keywords {
        keyword (Pokemon)
        keyword (Pokémon)
        keyword (Pokedex)
        keyword (Pokédex)
        keyword (Pikachu)
        keyword (Nintendo)
    }
    dispatch-name (The Unofficial Pokedex)
    dispatch-aliases {
        alias (Unofficial Pokedex)
        alias (Unofficial Pokédex)
        alias (The Unofficial Pokédex)
    }
}
```

capsule-info.bxb – URLs

website-url

terms-url

- Optional
- If included, must be relevant and a valid URL
- If any of these urls lead to a 404, your capsule will be rejected
- Can be your developer / company site

privacy-policy-url

- Currently only required if collecting user profile access and/or user's geolocation data
- Will be required in the future. Check the spreadsheet and/or my twitter @JohnWithoutTheH for when this happens.

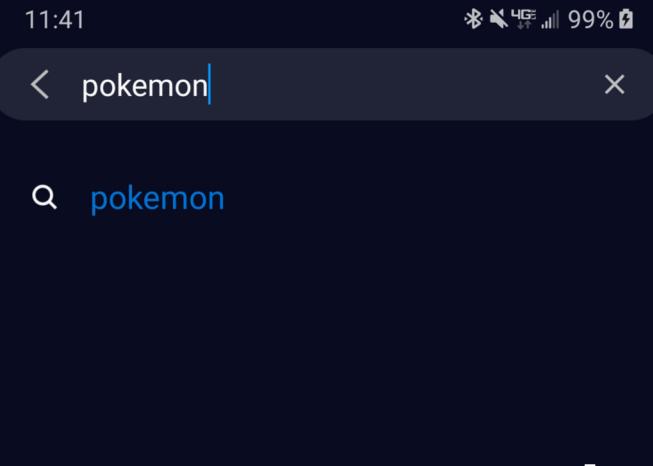
capsule-info.bxb

```
capsule-info {  
    display-name (The Unofficial Pokédex)  
    developer-name (jonmpn)  
    icon-asset (/images/new-logo-2.png)  
    website-url (www.jonmpn.com)  
    terms-url (www.jonmpn.com/terms)  
    privacy-policy-url (www.jonmpn.com/privacy)  
    description (Look up your favorite Pokémons with  
    the Pokédex!)
```

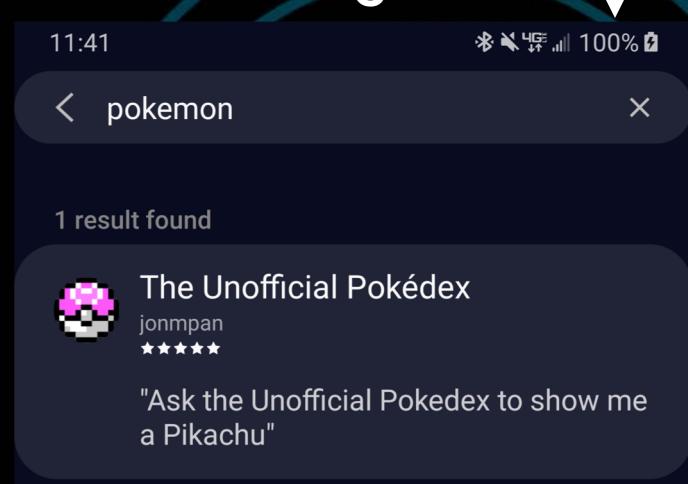
capsule-info.bxb – Search Keywords

search-keywords

- Optional
- 10 max
- If included, should be relevant
- Only appears if the user hits "enter" or the search icon



After Hitting Search ↓



capsule-info.bxb

```
capsule-info {  
    display-name (The Unofficial Pokédex)  
    developer-name (jonpan)  
    icon-asset (/images/icon.png)  
    website-url (www.jonpan.com)  
    terms-url (www.jonpan.com/terms.html)  
    privacy-policy-url (www.jonpan.com/privacy.html)  
    description (Look up your favorite Pokémons here!)  
}  
  
Pokédex! Find out what Pokémons you have. The Unofficial Pokédex is based on Pokédex.net, a fan made capsule. The Unofficial Pokédex is not supported by GAME FREAK. All images used are copyright © 1995-2016 Game Freak and Pokémon character names are trademarks of Nintendo.  
  
search-keywords {  
    keyword (Pokemon)  
    keyword (Pokémon)  
    keyword (Pokedex)  
    keyword (Pokédex)  
    keyword (Pikachu)  
    keyword (Nintendo)  
}
```

hints.bxb

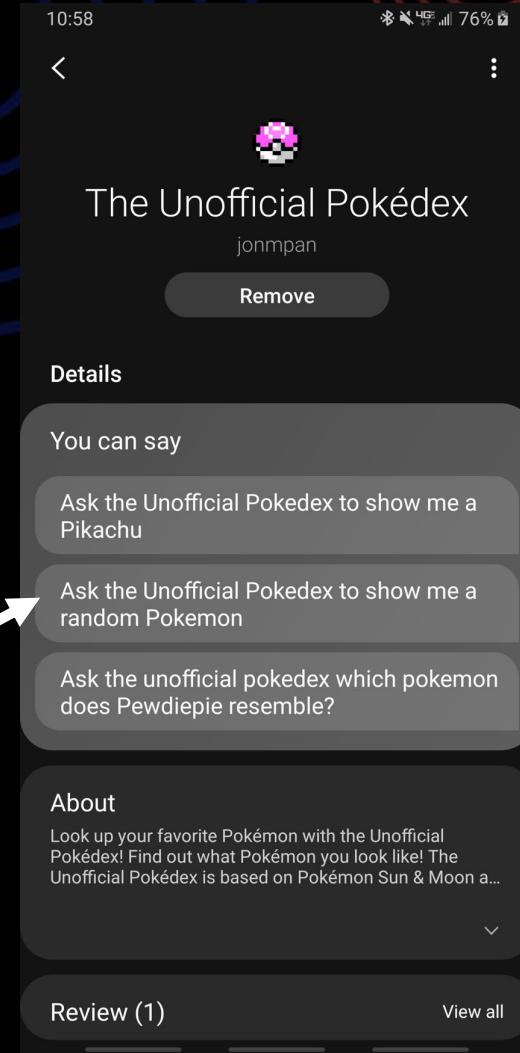
hints

- Required
- VERY IMPORTANT!
- Top level utterances
- Must be ASR friendly
- "*Show me a Pikachu*" is passed to the capsule

```
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?)
    }
}
```

*"With the unofficial pokédex, which
pokemon does Bob Marley resemble?"*



Thank you

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

Do more with Bixby

SAMSUNG