

**NOTE: VIDEO
DEMOS NOT
VIEWABLE IN THIS
PDF**

Bixby Tips, Tricks and Templates

Project Voice

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Ten **Hot** Bixby Tips + Bonus 11th Tip

Who Am I

Roger Kibbe

Senior Developer Evangelist
Viv Labs / Samsung

*“Technology empowers and enables”
“Technology should get out of the way”*

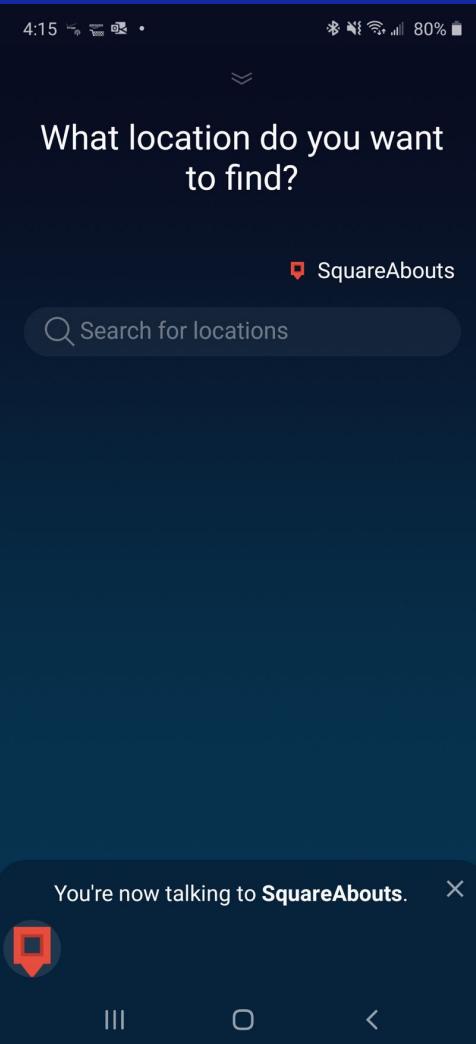
Dad - two teen daughters
Bay Area Native
UC Berkeley Graduate – Go Bears!



@rogerkibbe

Multimodal - Sweat the UI

Input View



Dialog: Text header/Voice

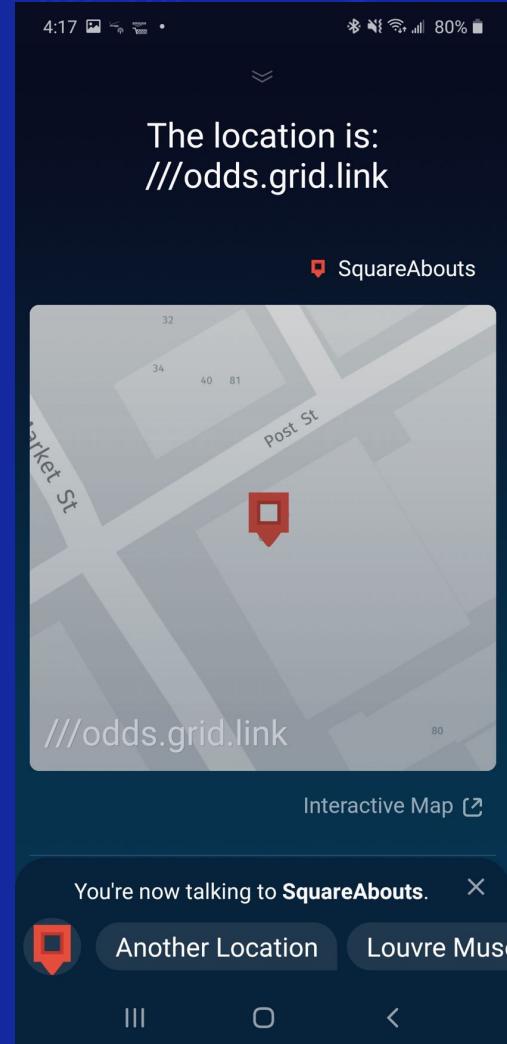
View/UI

Form Elements

- Text Boxes
- Checkboxes
- Date Picker
- Time Picker
- & More

Conversation Drivers

Result View

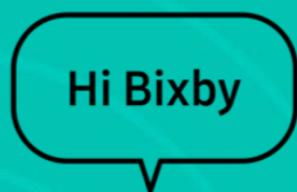


Rich UI Elements

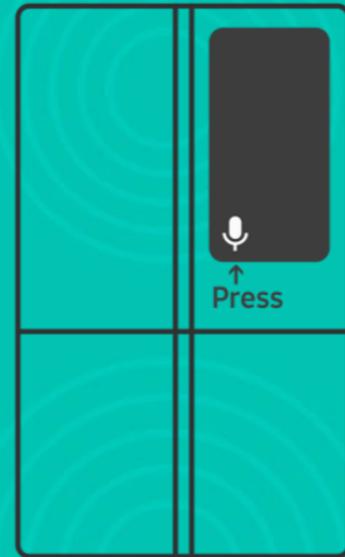
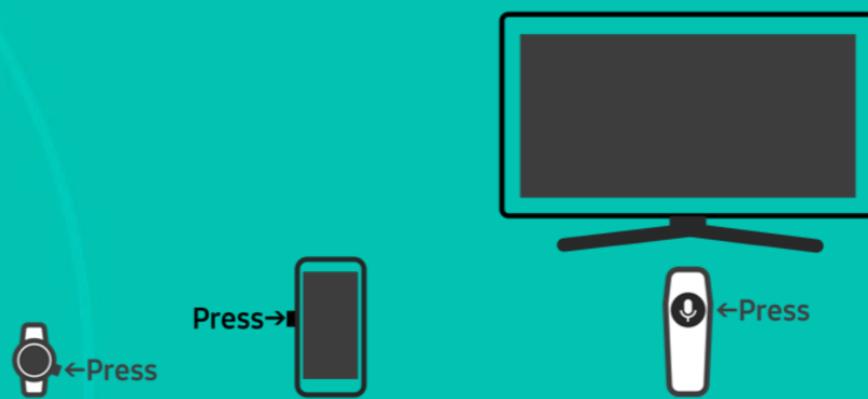
- Cards
- Images
- Formatted Text

HEF vs HOM

Hands and Eyes Free



Hands-On Mode



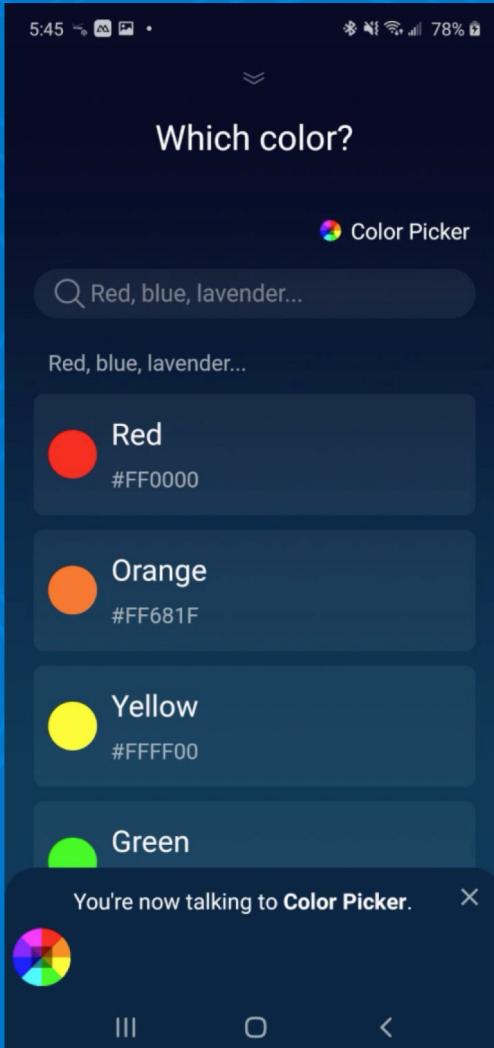
HEF: More robust speech, page through multiple results

HOM: Rely more on UI elements – clickable/form elements

Use \$handsFree to determine
Considerations

- HEF may still mean viewing screen (>50% of phone usage is HEF)
- Microphone Turns automatically on in HEF, Button required in HOM

Auto Complete



- Speed up keyboard Input
- Special handling for
 - Contacts
 - Location (Geo)
- *Dev: Model in view with Action to handle*

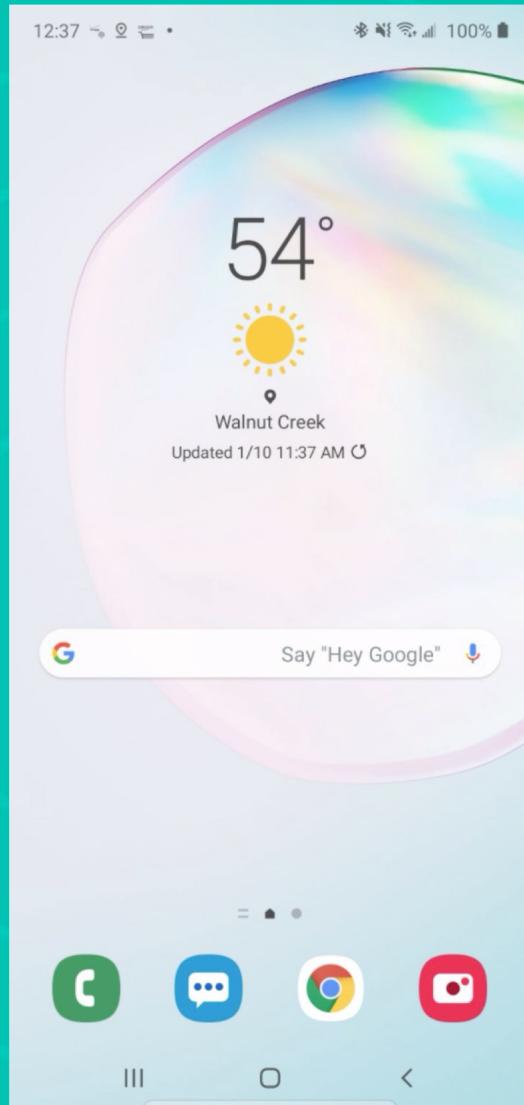


Refresh

- Designed for capsules like Ride Share (how far away is my Uber)
- Consider for user tasks e.g. Start Stretching
- Long API calls (polling)
- *Dev: Model in View*

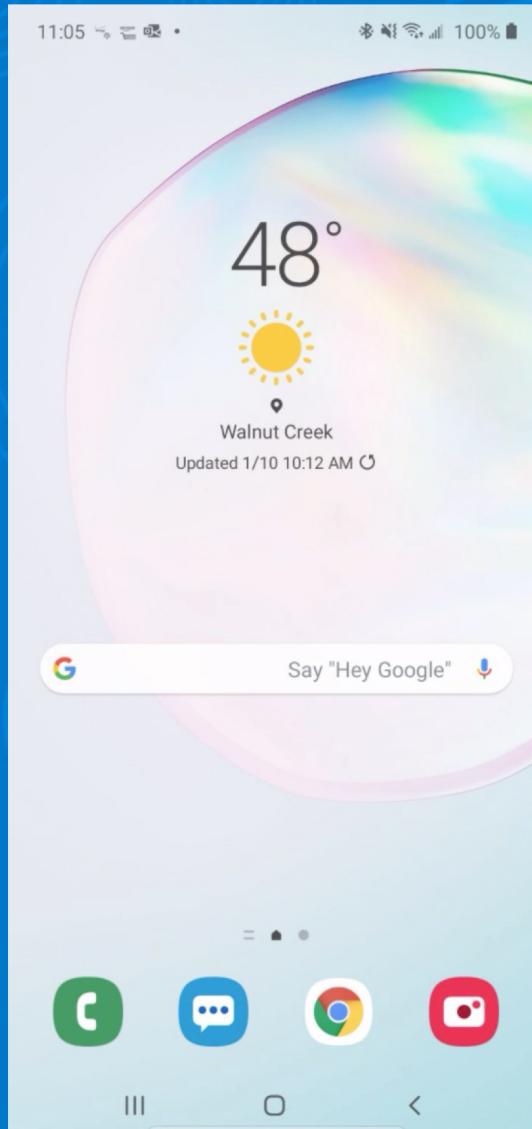


Share Via



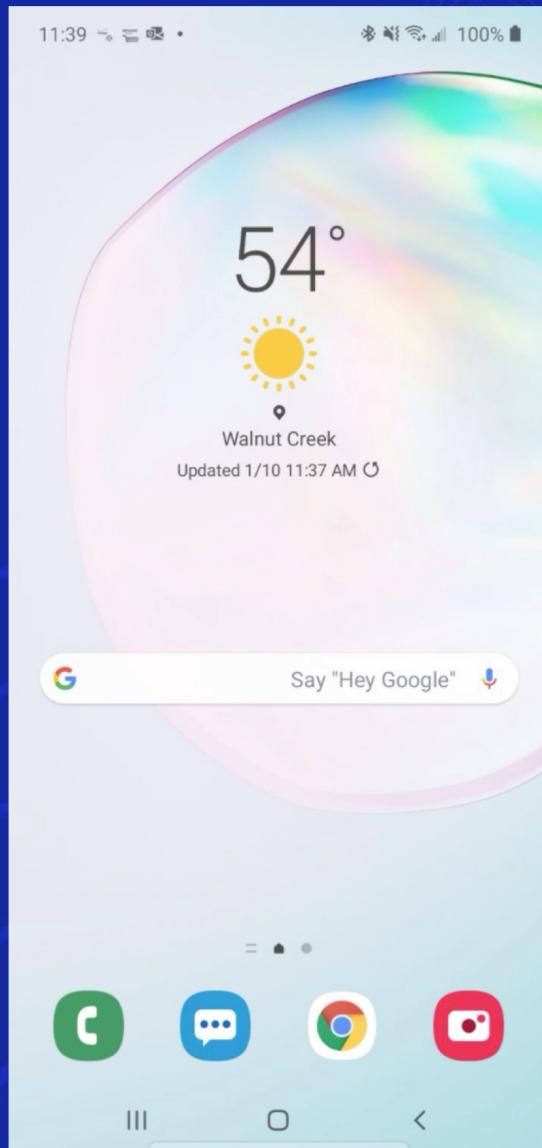
- Share content
- Standard Android share menu
- Use Android Intents

Conversation Drivers



- What do I do next?
- Saying and clicking the button are the same thing
- *Dev:* Model in View and NLU training

Effects: Continuations & Relaxations



Example Model

- Meal - “Dinner”
- Cuisine - “Mexican”
- Effort – “Easy”
- Modifier – “Vegetarian”

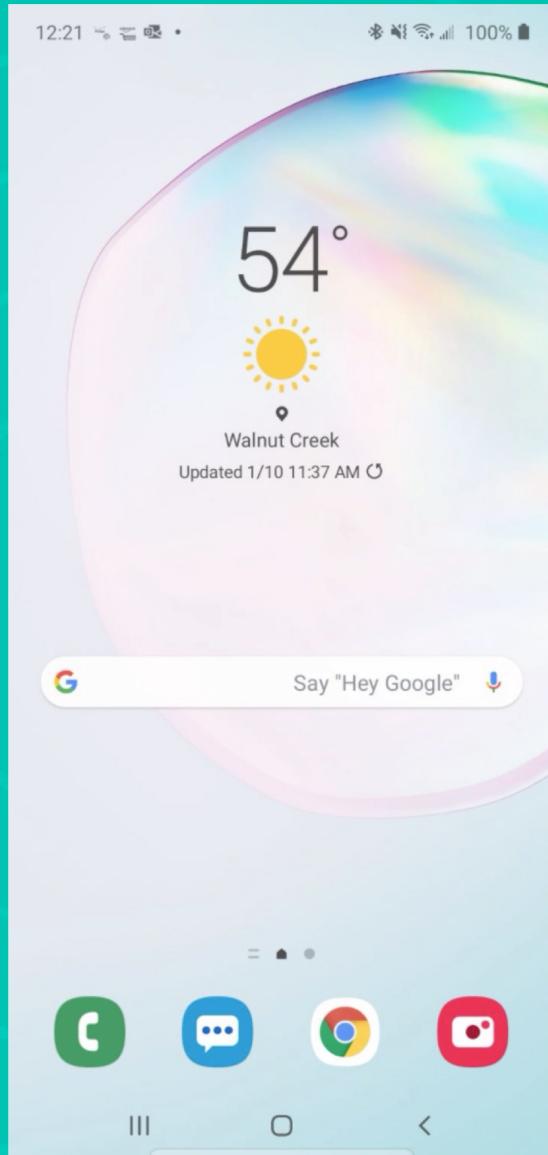
Continuations

- Refinements
- Replacements

Relaxations

- Drop Input

Personalization



Selection Learning

- Smart defaults for user choices

Preference Learning

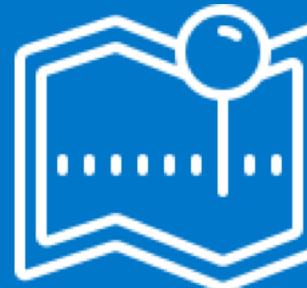
- Ordering results
- Example: Restaurant cuisine

Dev: Configure in Model

Library Capsules



Audio Player



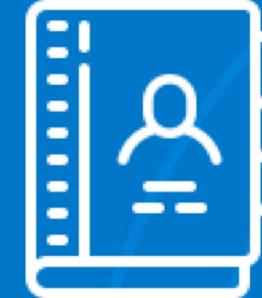
Geography



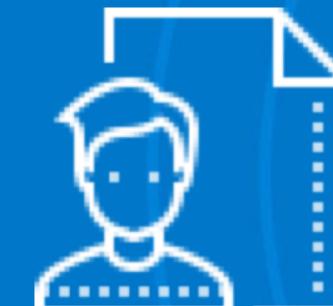
Date Time



Location

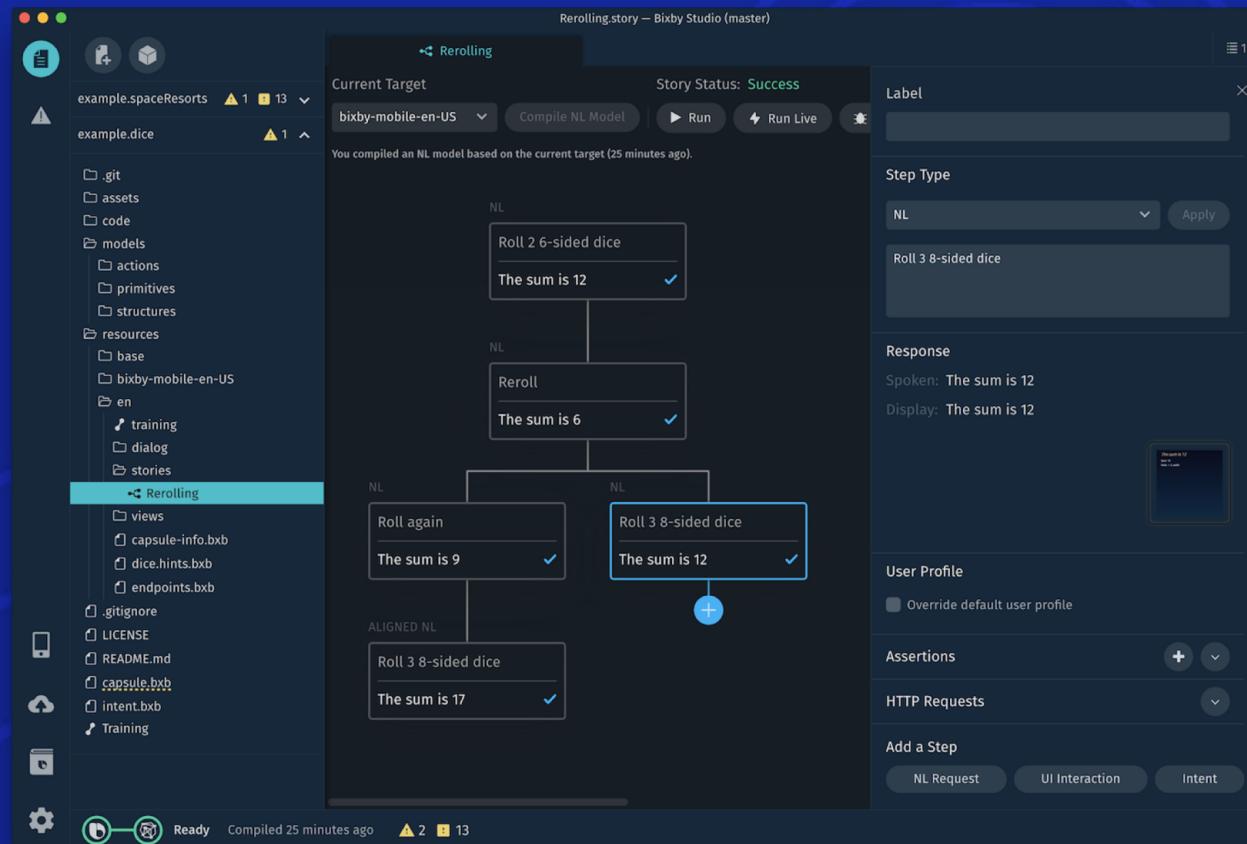


Contacts



Profile

Stories

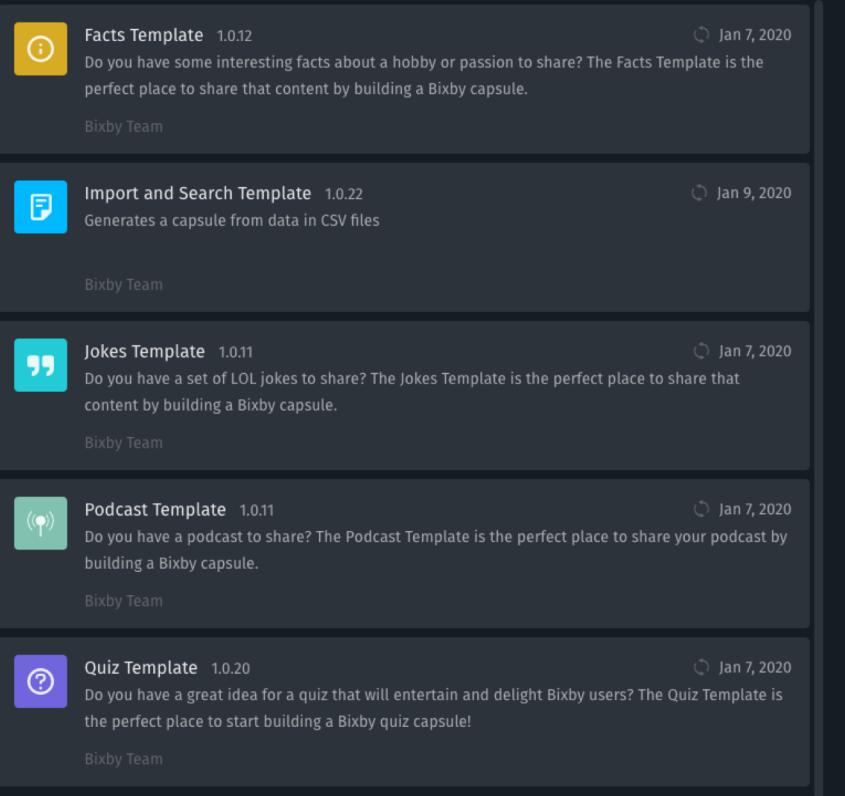


- Unit test your capsules
- Add assertions
- Very underutilized
- “Debugging and Testing Capsules in Bixby Developer Studio” video
tiny.cc/bixbydebugtip

Templates

Select a template

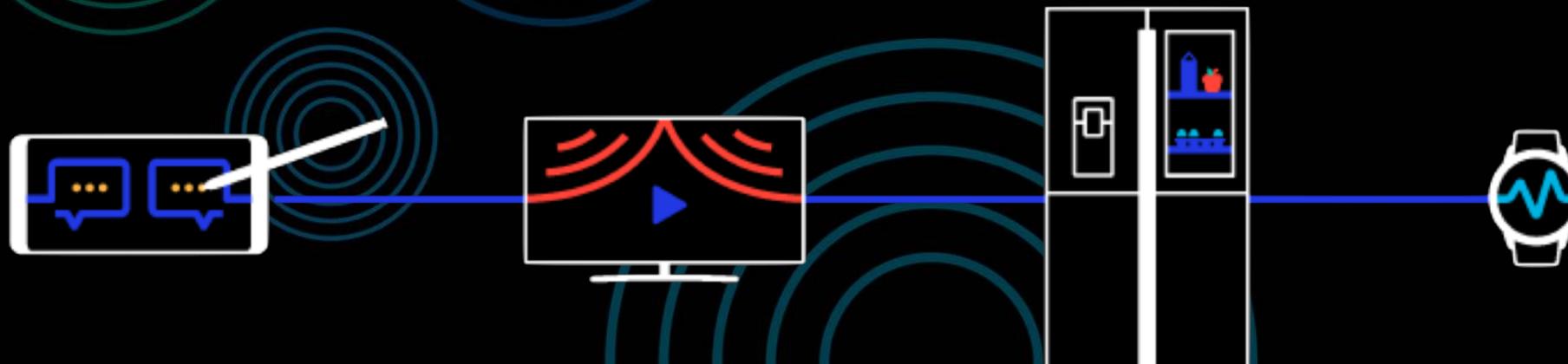
Choose from a number of pre-designed Bixby templates. Featuring Learning & Knowledge templates, Fun & Games and Business templates.



- Designed for beginners . . . but
- *The Import and Search Template can be a code generator kickstarter for more complex capsules*

Beyond the Smart Speaker

A Call to Action



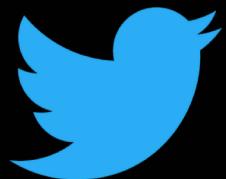
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2:20 p.m.

Bixby Views: Building for Phone, TV, Appliances, Watches & More

2:55 p.m.

Bixby Marketplace and Natural Language Categories

3:30 p.m.

Thank you

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