Microsoft

Microsoft Bot Framework

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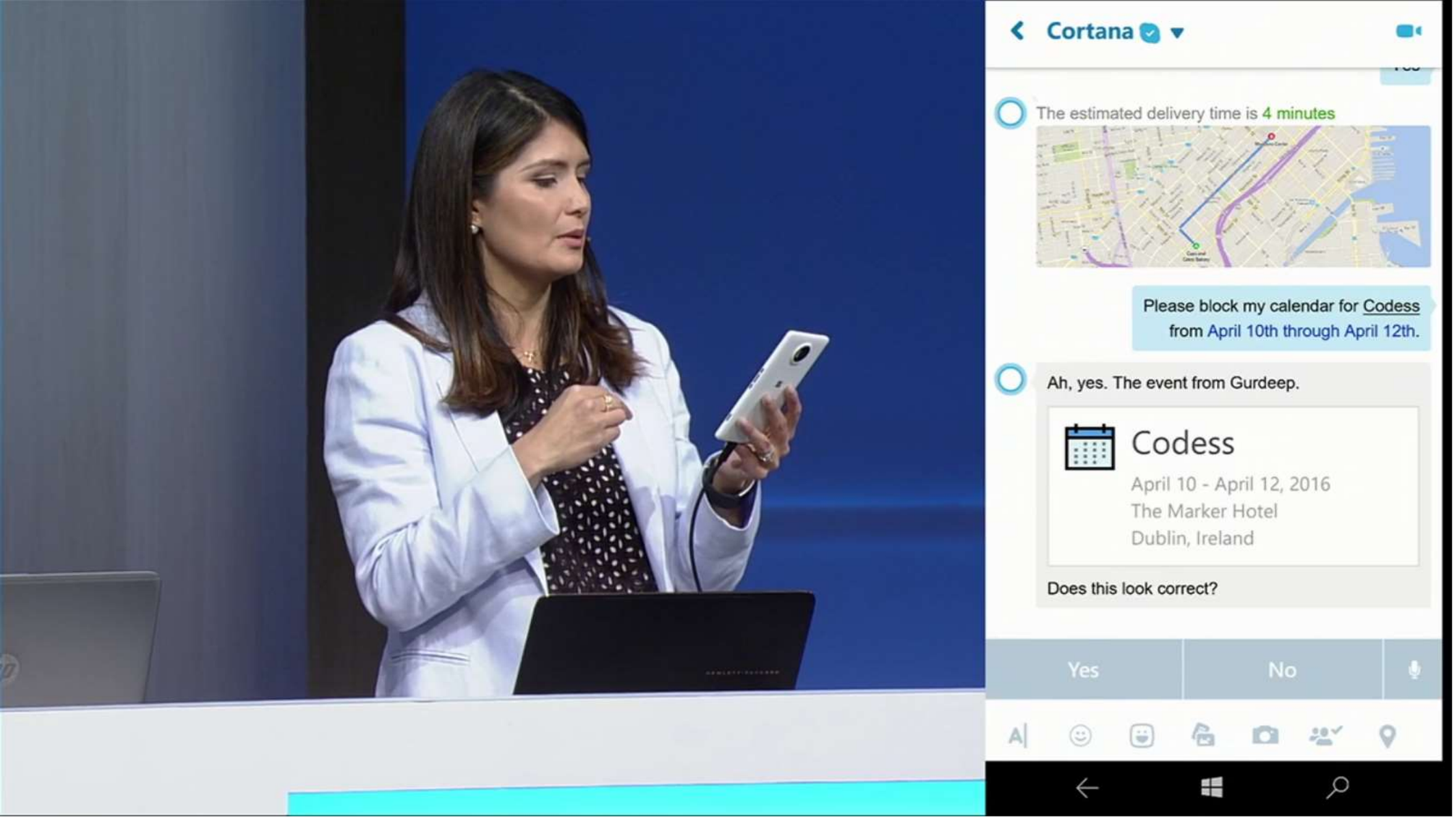
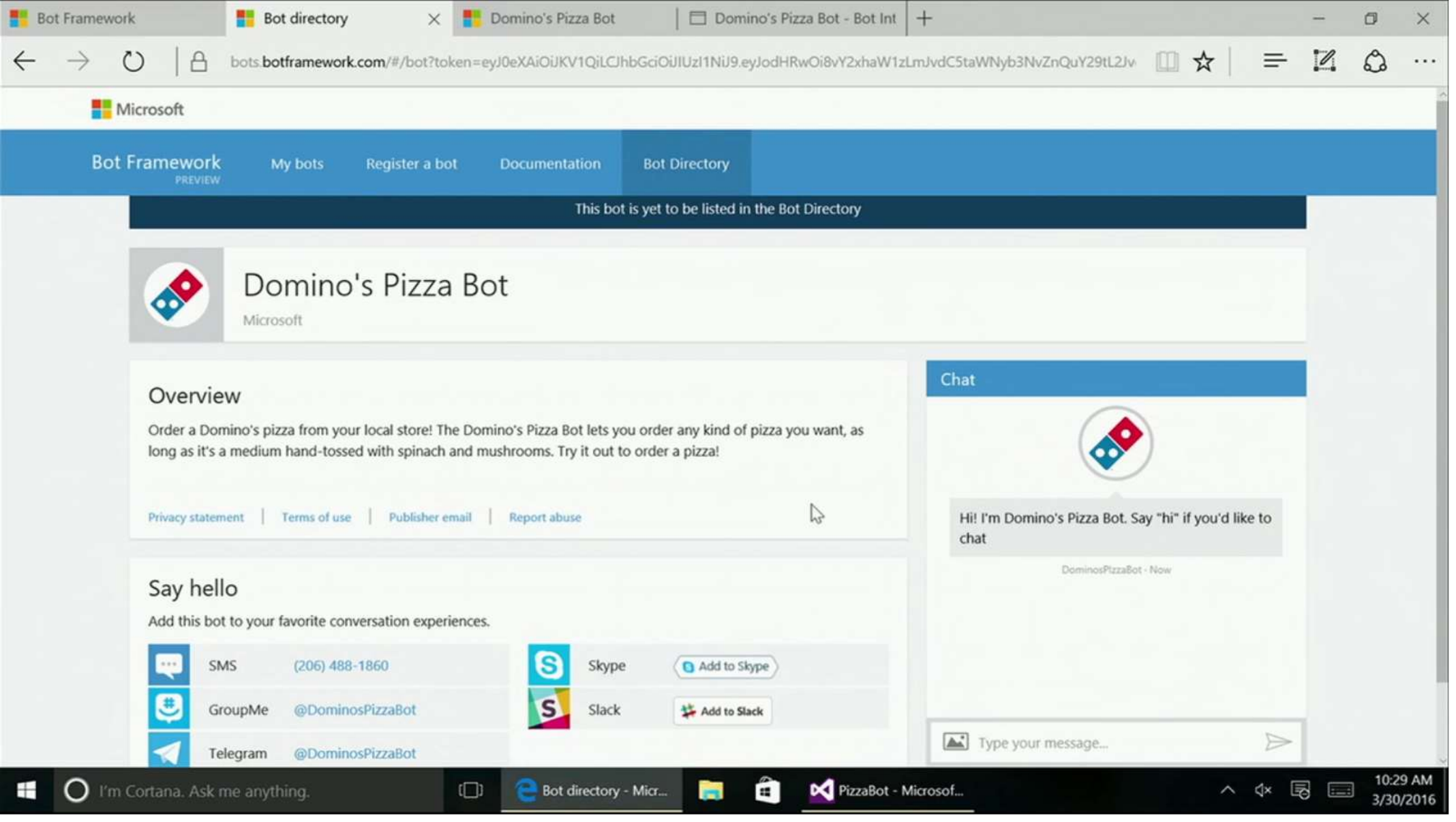
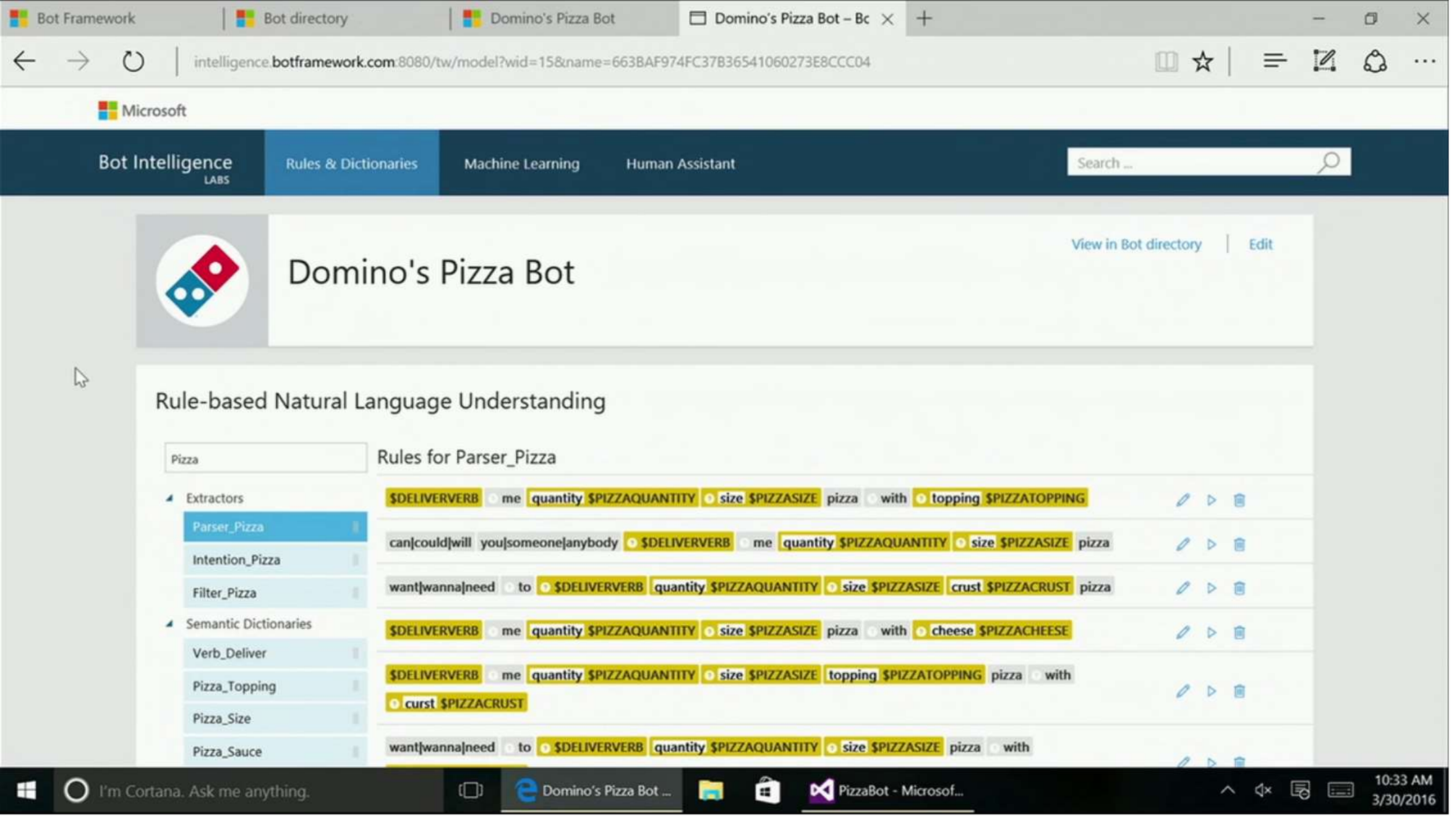
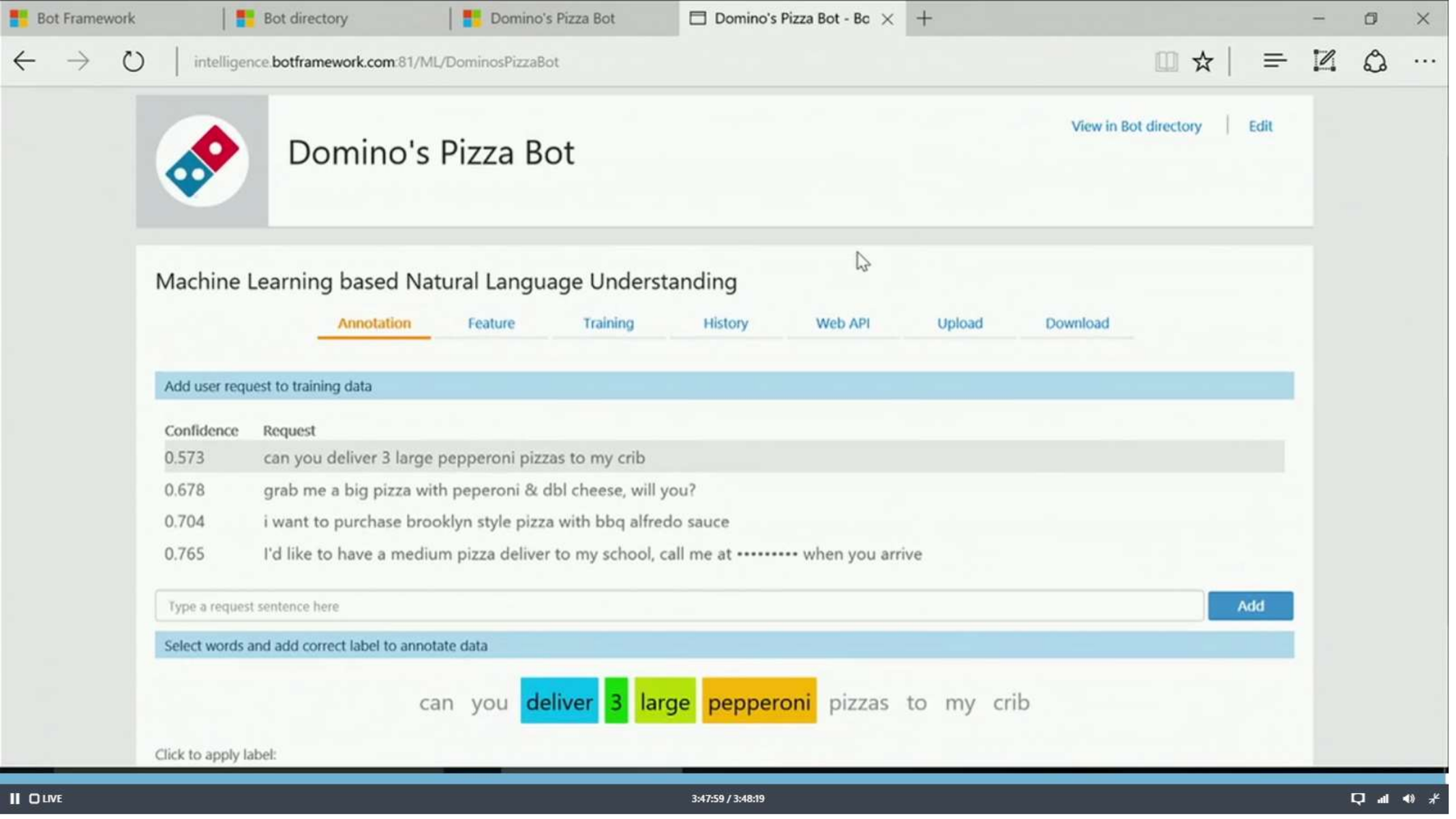
#Build2016

GET IT GEAR
본방송
밀리터리 속
규칙과 상식
KTM
시야에게는 12척의 전함이 있습니다
00:00:00 / 00:26:06
HD
GOMTV


Cortana
The estimated delivery time is 4 minutes
Please block my calendar for Codess from April 10th through April 12th.
Ah, yes. The event from Gurdeep.
Codess
April 10 - April 12, 2016
The Marker Hotel
Dublin, Ireland
Does this look correct?
Yes
No

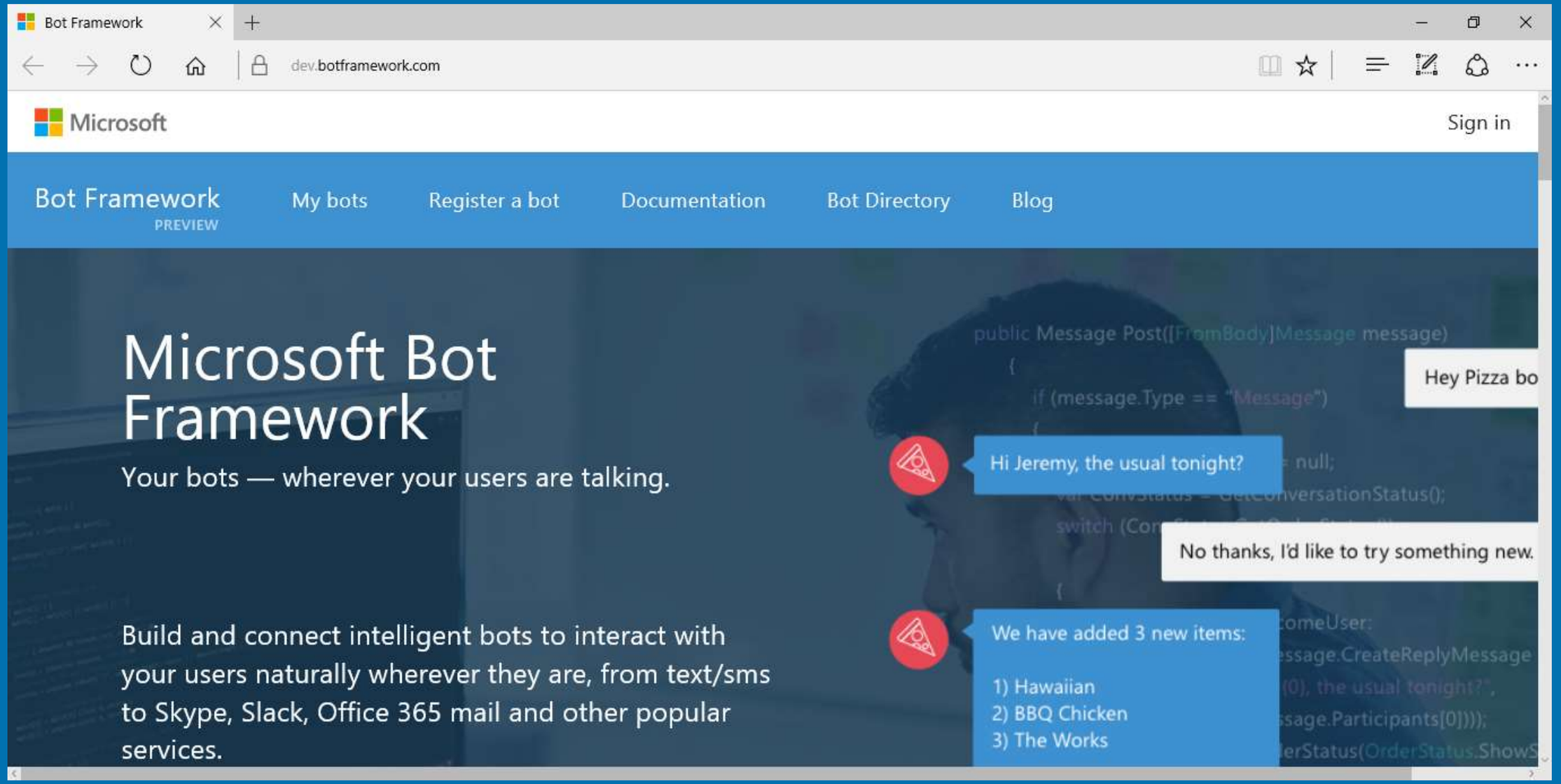

Bot Framework
Bot directory
Domino's Pizza Bot
Domino's Pizza Bot - Bot Int
bots.botframework.com/#/bot?token=eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJodHRwOi8vY2xhaW1zLmJvdC5taWNyb3NvZnQuY29tL2Jv
Microsoft
Bot Framework
PREVIEW
My bots
Register a bot
Documentation
Bot Directory
This bot is yet to be listed in the Bot Directory
Domino's Pizza Bot
Microsoft
Overview
Order a Domino's pizza from your local store! The Domino's Pizza Bot lets you order any kind of pizza you want, as long as it's a medium hand-tossed with spinach and mushrooms. Try it out to order a pizza!
Privacy statement
Terms of use
Publisher email
Report abuse
Say hello
Add this bot to your favorite conversation experiences.
SMS
(206) 488-1860
GroupMe
@DominosPizzaBot
Telegram
@DominosPizzaBot
Skype
Add to Skype
Slack
Add to Slack
Chat
Hi! I'm Domino's Pizza Bot. Say "hi" if you'd like to chat
DominosPizzaBot · Now
Type your message...
I'm Cortana. Ask me anything.
Bot directory - Micr...
PizzaBot - Microsof...
10:29 AM
3/30/2016


Bot Framework
Bot directory
Domino's Pizza Bot
Domino's Pizza Bot – Bc
intelligence.botframework.com:8080/tw/model?wid=15&name=663BAF974FC37B36541060273E8CCC04
Microsoft
Bot Intelligence
LABS
Rules & Dictionaries
Machine Learning
Human Assistant
Search ...
Domino's Pizza Bot
View in Bot directory
Edit
Rule-based Natural Language Understanding
Pizza
Extractors
Parser_Pizza
Intention_Pizza
Filter_Pizza
Semantic Dictionaries
Verb_Deliver
Pizza_Topping
Pizza_Size
Pizza_Sauce
Rules for Parser_Pizza
$DELIVERVERB me quantity $PIZZAQUANTITY size $PIZZASIZE pizza with topping $PIZZATOPPING
can|could|will you|someone|anybody $DELIVERVERB me quantity $PIZZAQUANTITY size $PIZZASIZE pizza
want|wanna|need to $DELIVERVERB quantity $PIZZAQUANTITY size $PIZZASIZE crust $PIZZACRUST pizza
$DELIVERVERB me quantity $PIZZAQUANTITY size $PIZZASIZE pizza with cheese $PIZZACHEESE
$DELIVERVERB me quantity $PIZZAQUANTITY size $PIZZASIZE topping $PIZZATOPPING pizza with curst $PIZZACRUST
want|wanna|need to $DELIVERVERB quantity $PIZZAQUANTITY size $PIZZASIZE pizza with
I'm Cortana. Ask me anything.
Domino's Pizza Bot ...
PizzaBot - Microsof...
10:33 AM
3/30/2016


Bot Framework
Bot directory
Domino's Pizza Bot
Domino's Pizza Bot - Bc
intelligence.botframework.com:81/ML/DominosPizzaBot
Domino's Pizza Bot
View in Bot directory
Edit
Machine Learning based Natural Language Understanding
Annotation
Feature
Training
History
Web API
Upload
Download
Add user request to training data
Confidence
Request
0.573
can you deliver 3 large pepperoni pizzas to my crib
0.678
grab me a big pizza with peperoni & dbl cheese, will you?
0.704
i want to purchase brooklyn style pizza with bbq alfredo sauce
0.765
I'd like to have a medium pizza deliver to my school, call me at ••••••••• when you arrive
Type a request sentence here
Add
Select words and add correct label to annotate data
can you deliver 3 large pepperoni pizzas to my crib
Click to apply label:
LIVE
3:47:59 / 3:48:19

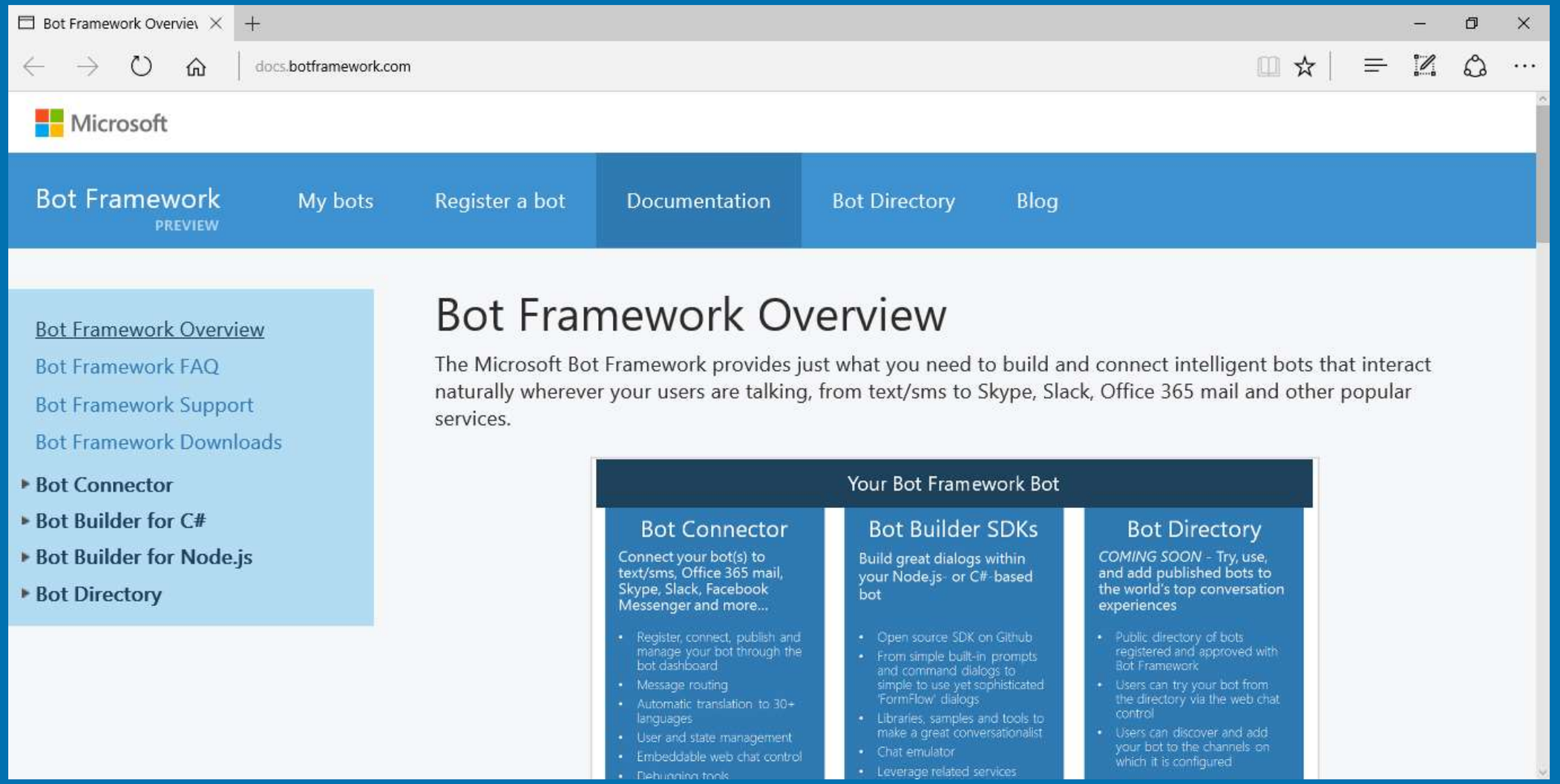
MS Bot Framework

https://dev.botframework.com



Overview

http://docs.botframework.com



Options:

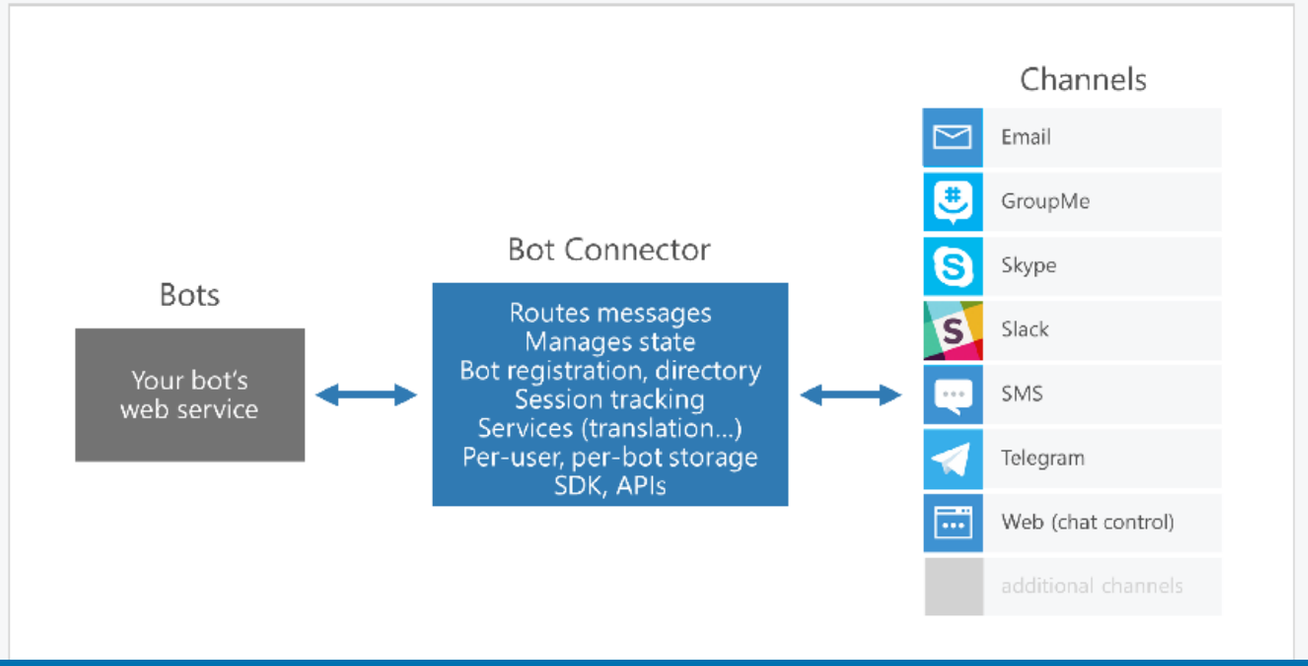
- Connector
- Builder
- Directory

Bot Connector

Getting started | Docum

docs.botframework.com/connector/getstarted

The Microsoft Bot Framework Connector is a communication service that helps you connect your Bot with many different communication channels (GroupMe, SMS, email, and others). If you write a conversational Bot or agent and expose a Microsoft Bot Framework-compatible API on the internet, the Connector will forward messages from your Bot to a user, and will send user messages back to your Bot.

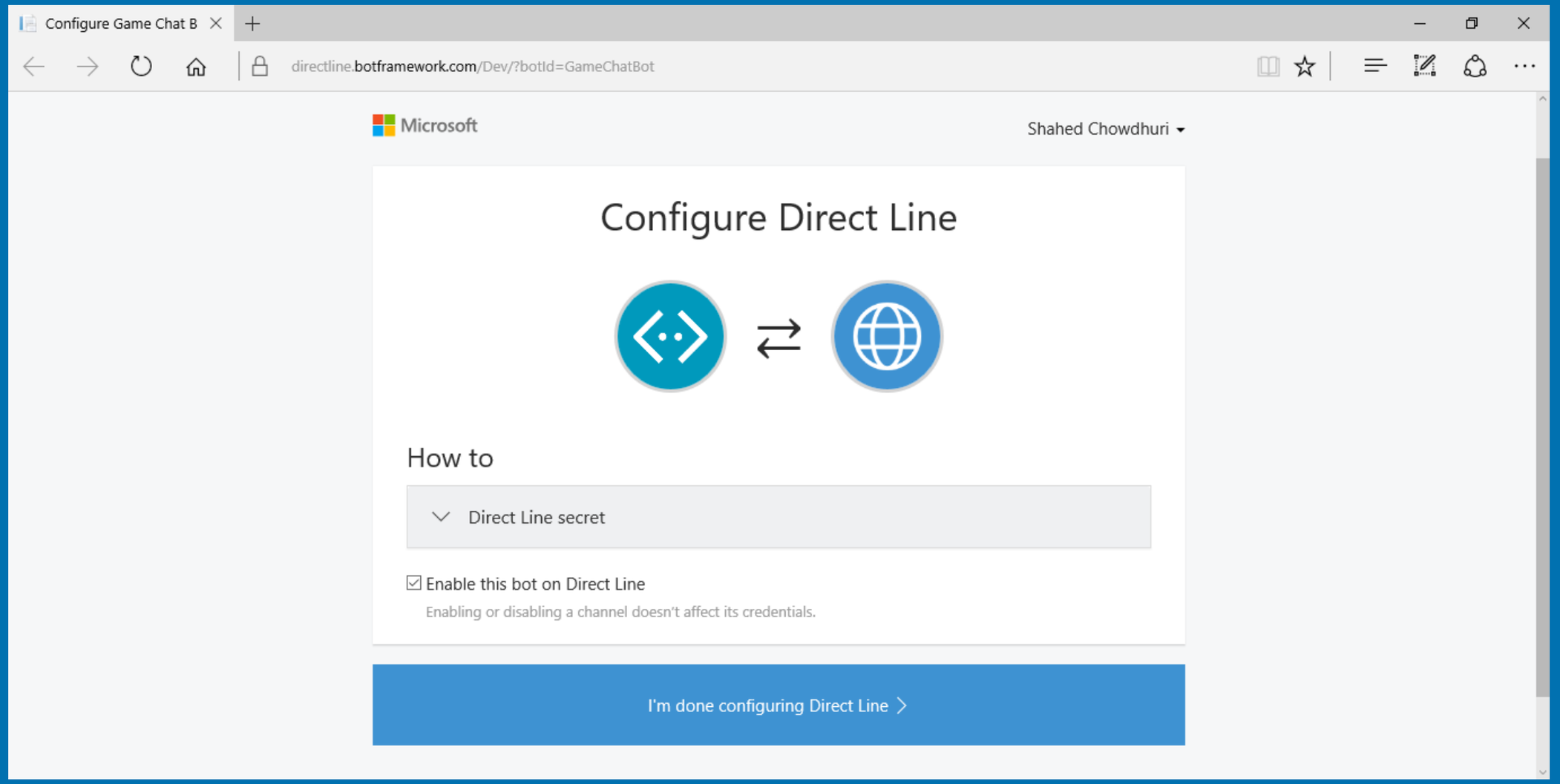


Channels:

- Email
- GroupMe
- Skype
- Slack
- SMS
- Telegram
- Web
- etc...

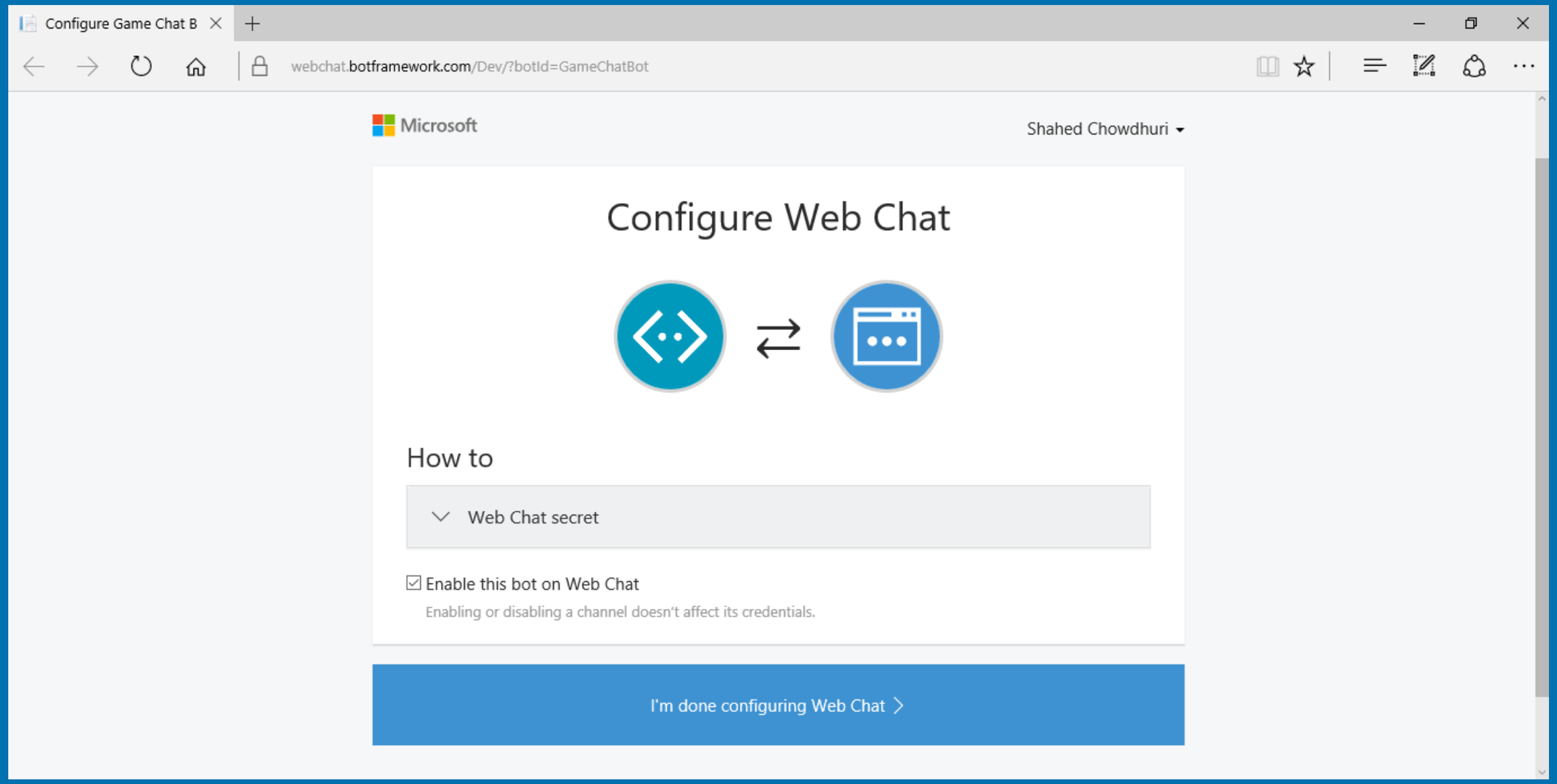
http://docs.botframework.com/connector/getstarted

Configure: Direct Line



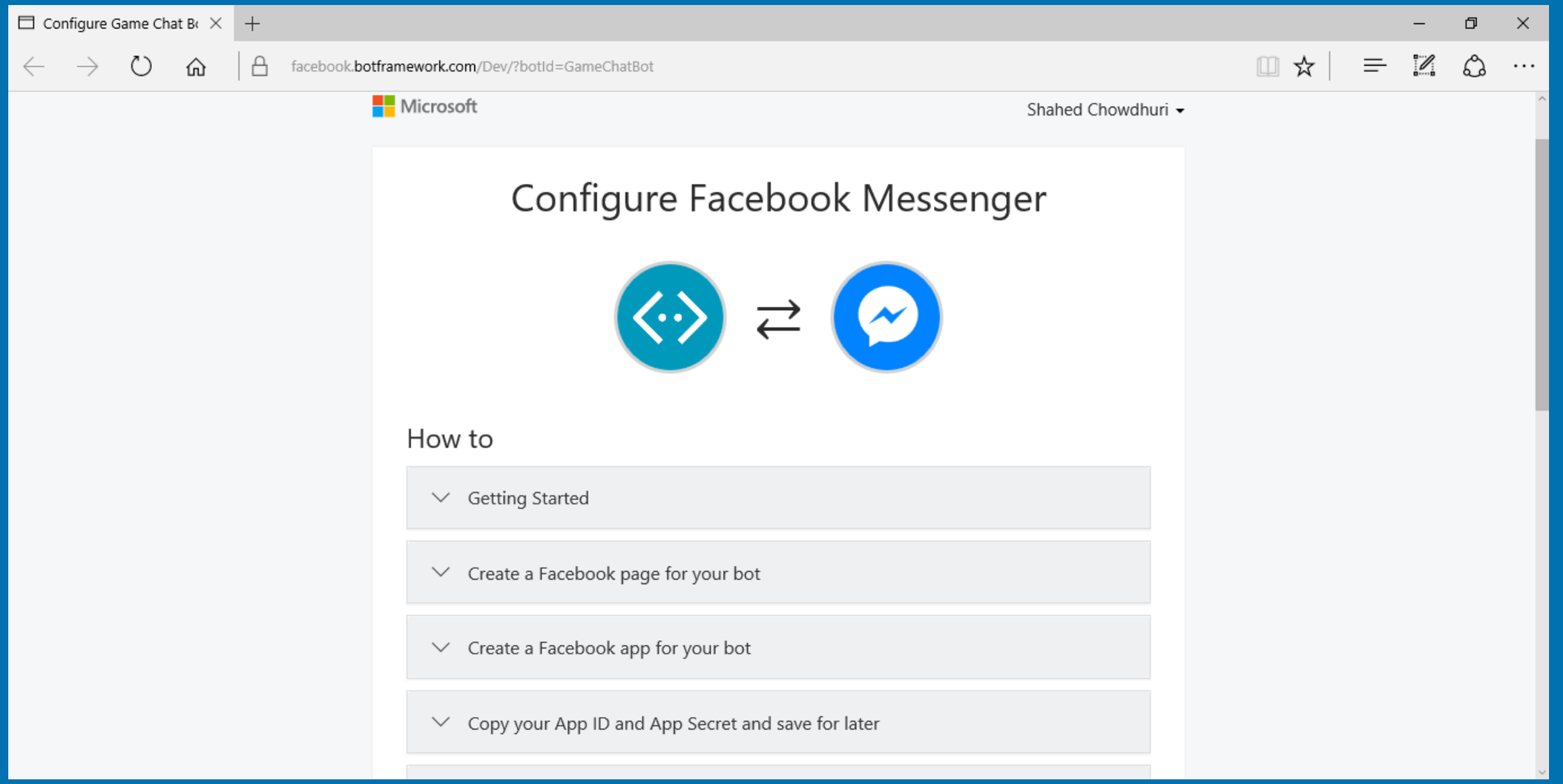
https://directline.botframework.com/Dev/?botId=YOUR-BOT-ID

Configure: Web Chat



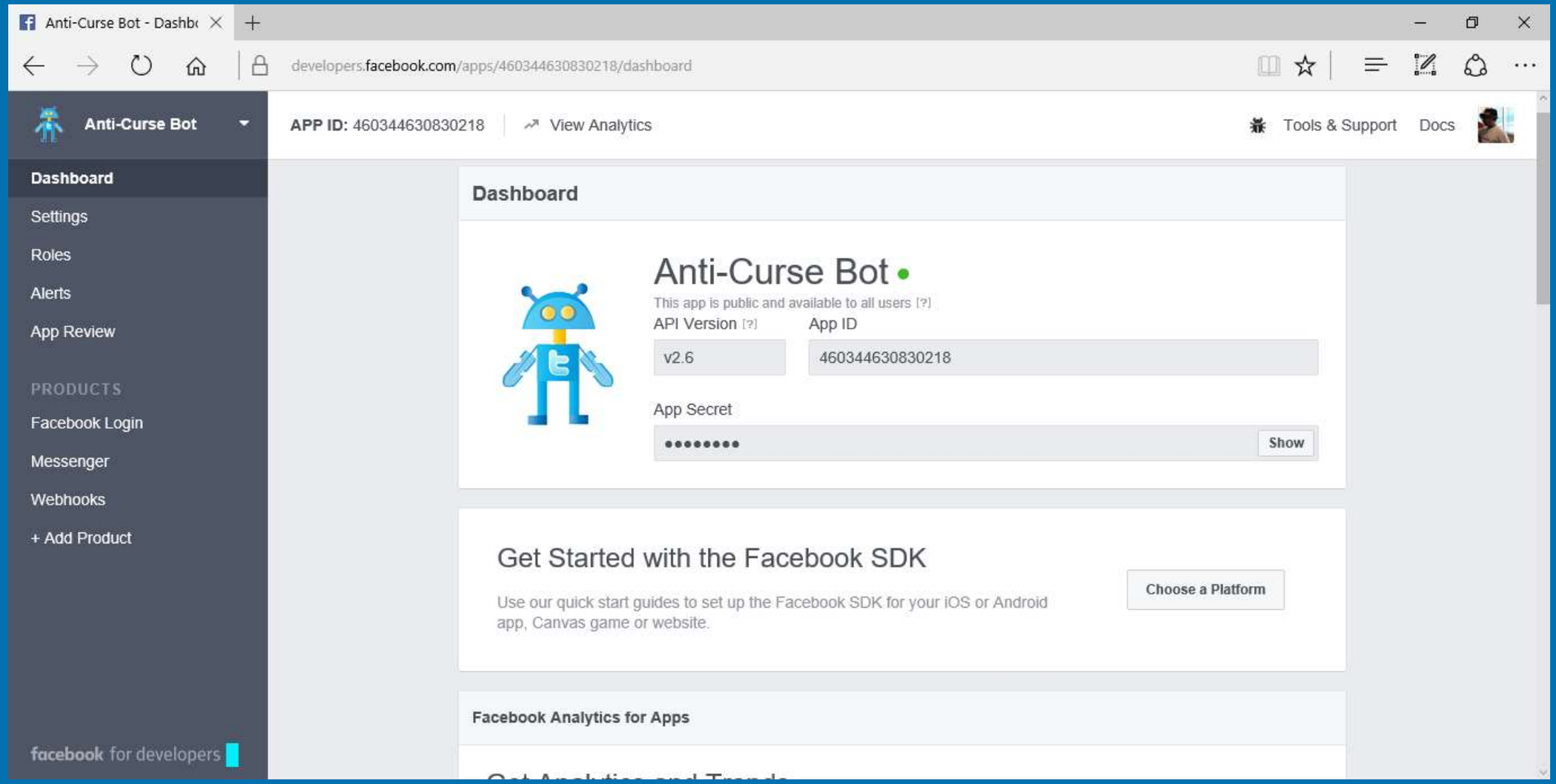
https://webchat.botframework.com/Dev/?botId=YOUR-BOT-ID

Configure: Facebook Messenger



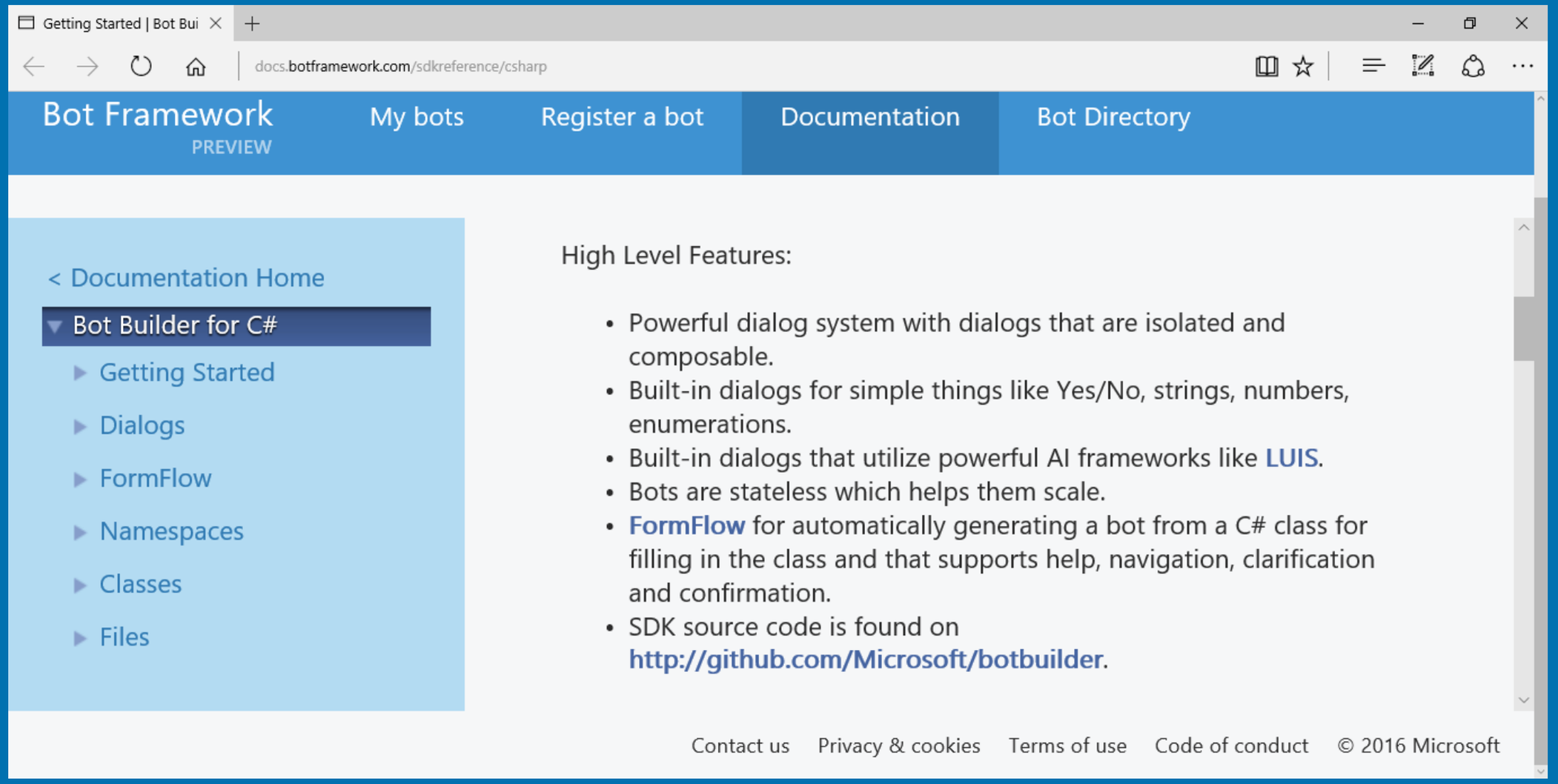
https://facebook.botframework.com/Dev/?botId=YOUR-BOT-ID

FB Developer Settings



https://developers.facebook.com

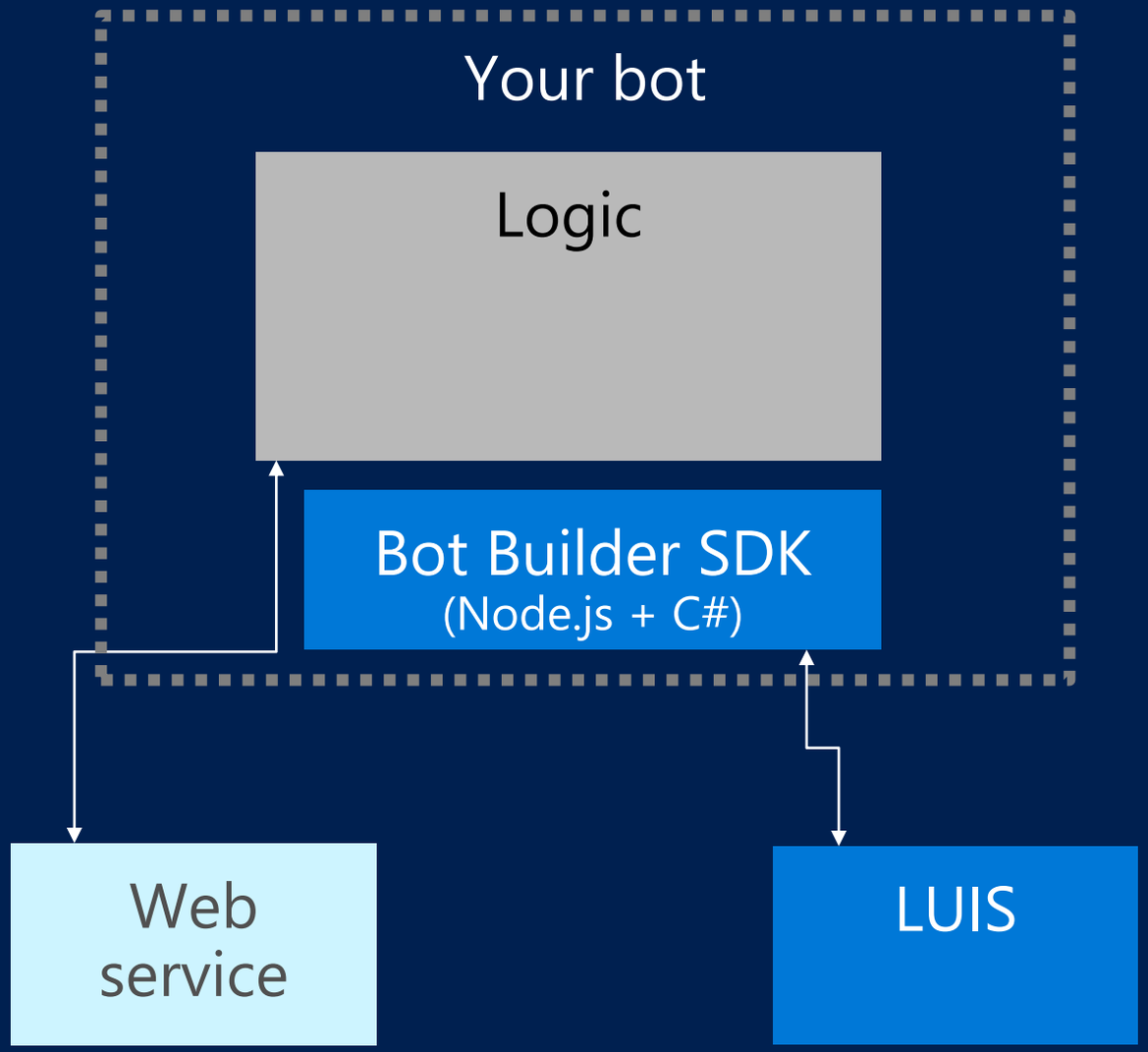
Bot Builder SDK for C#



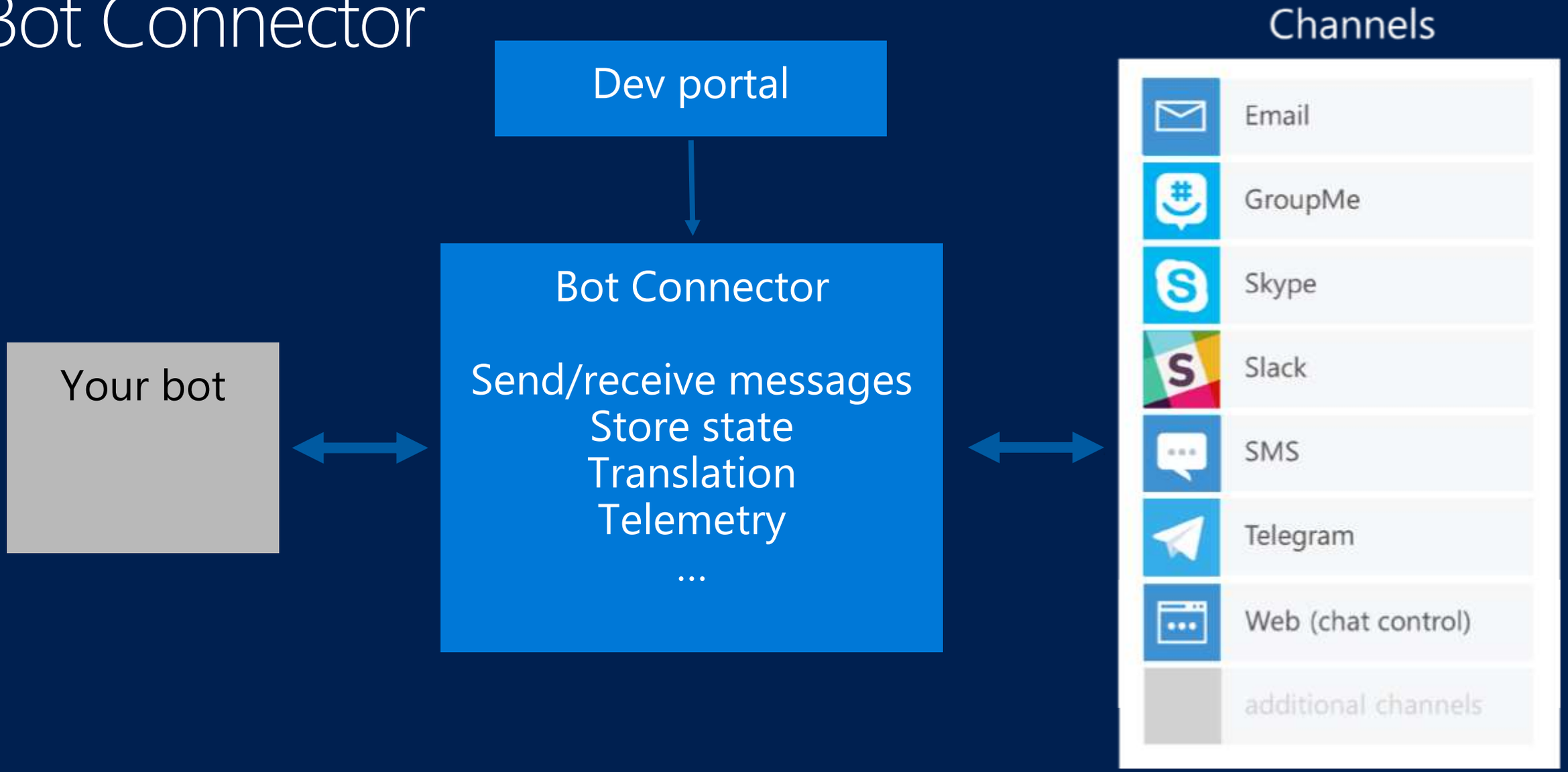
Features:

- Dialogs
- AI
- LUIS
- Stateless
- Scalable
- FormFlow
- GitHub!

http://docs.botframework.com/sdkreference/csharp


Your bot
Logic
Bot Builder SDK
(Node.js + C#)
Web service
LUIS

Bot Connector



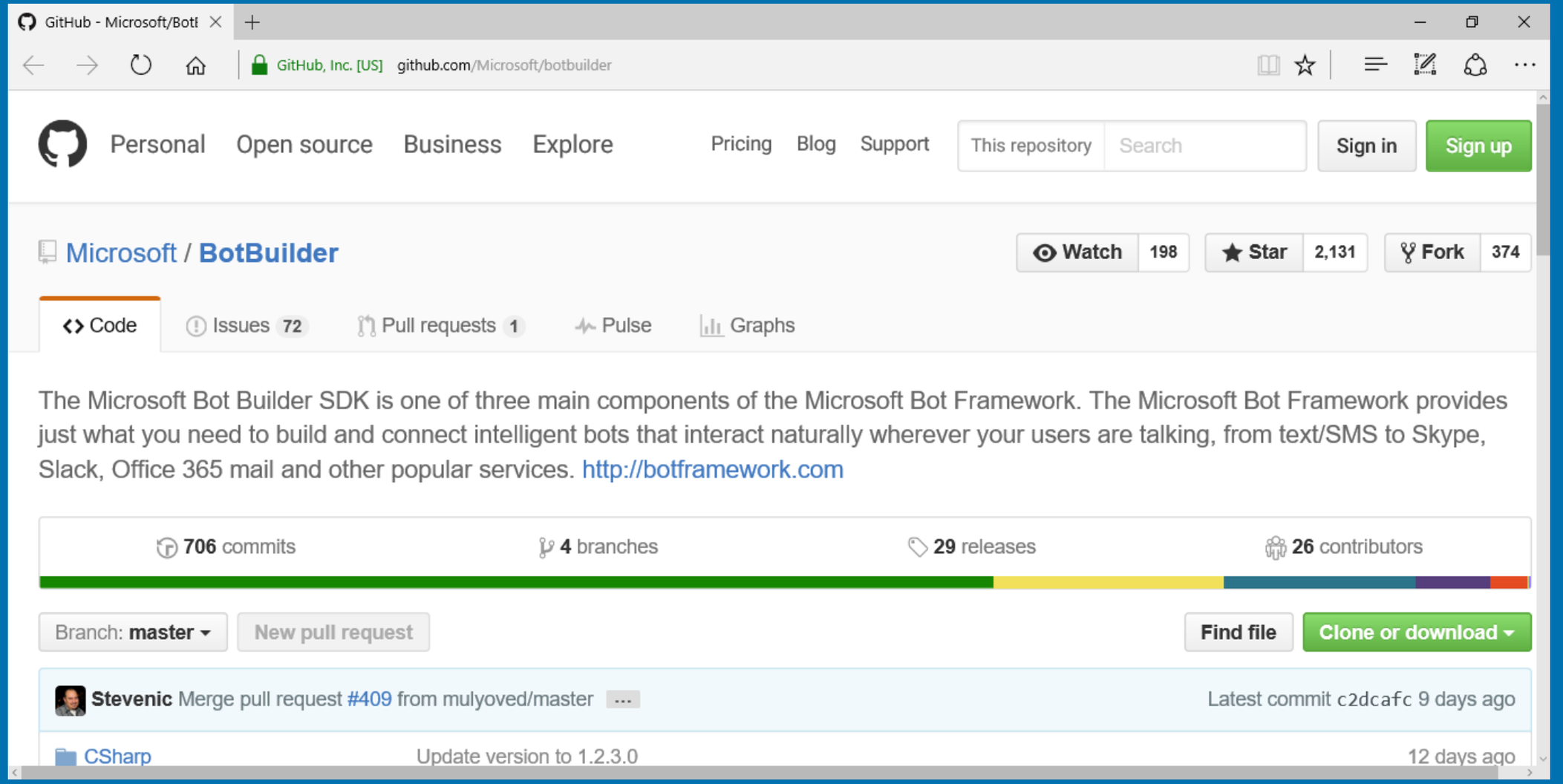
Bot Connector messages

Your bot

Bot Connector

```
{
  "type": "Message",
  "id": "68YrxgtB53Y",
  "conversationId": "DphPaFQrDuZDKyCez4AFGcT4vy5aQDje1lLGIjB8v18MFtb",
  "language": "en",
  "text": "You can say \"/order\" to order!",
  "attachments": [ ],
  "from": {
    "name": "+12065551212",
    "channelId": "sms",
    "address": "+12065551212",
    "id": "Ro52hKN287",
    "isBot": false
  },
  "channelData": { SMS data here },
  "botUserData": { your data here },
  ...
}
```

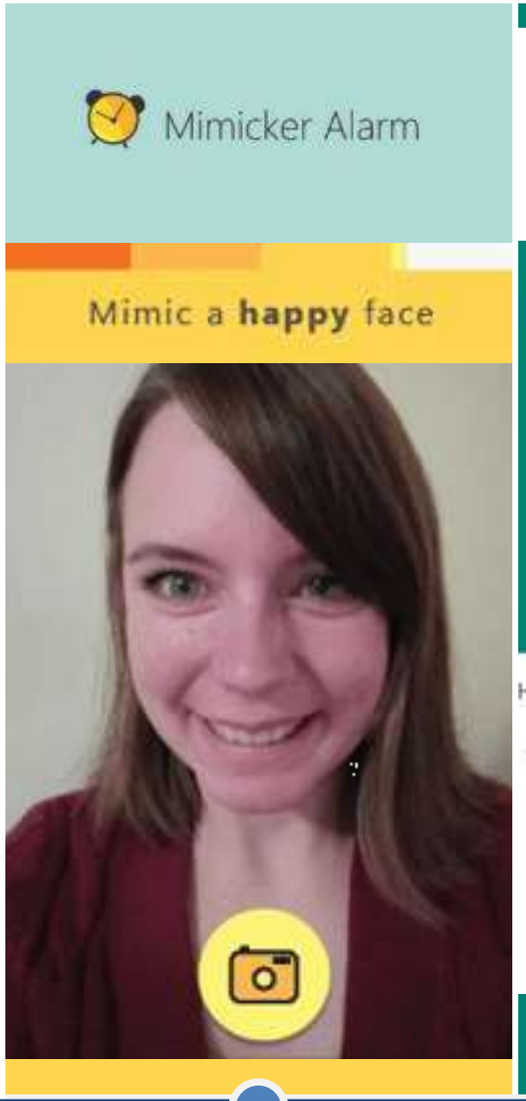
GitHub!

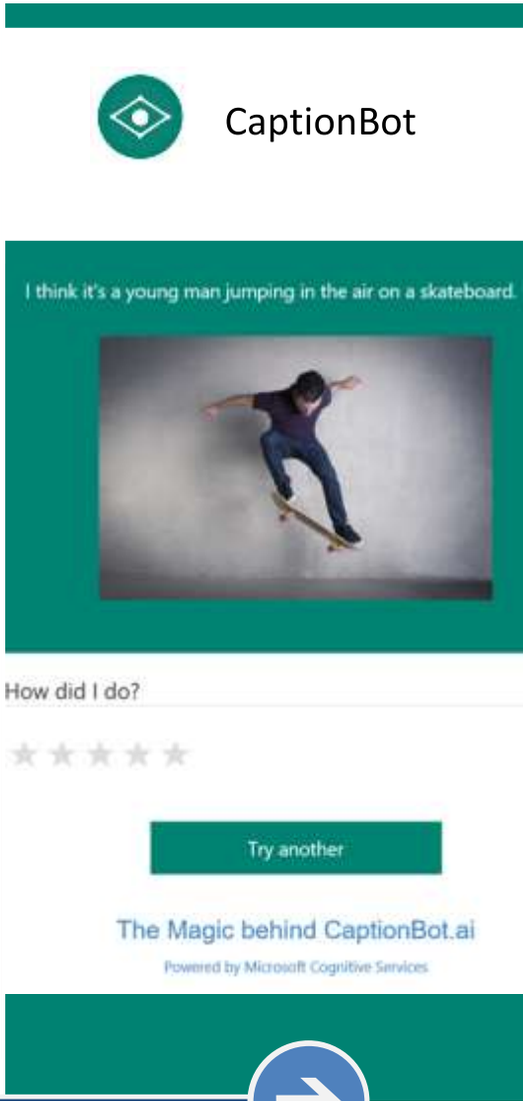


https://github.com/Microsoft/botbuilder

40 OLD TOWN
BIRKSEN
(020) 76226466
flowers by
40 OLD TOWN
(020) 76226466

Variety of Creative Apps





Cognitive Services APIs

Speech

- Customer feedback analysis
- Bing news search
- Entity linking

Language

- Forecasting
- Text analytics
- Recommendation API

Machine Learning

- Bing image search
- Speech API
- Text to speech
- Custom recognition (CRIS)

Knowledge

- Thumbnail generation
- Web language model
- Anomaly detection
- Sentiment scoring

Search

- Bing autosuggest

Vision

- Computer vision
- Academic knowledge
- Spell check
- Emotion
- OCR, tagging, captioning
- Bing web search

Cognitive Services

microsoft.com/cognitive

Vision	Speech	Language	Knowledge	Search
Computer Vision	Custom Recognition	Bing Spell Check	Academic Knowledge	Bing Web Search
Emotion	Speaker Recognition	Linguistic Analysis	Entity Linking	Bing Image Search
Face	Speech	Language Understanding	Knowledge Exploration	Bing Video Search
Video	Translator	Text Analytics	Recommendations	Bing News Search
		WebLM		Bing Autosuggest

https://www.microsoft.com/cognitive-services/

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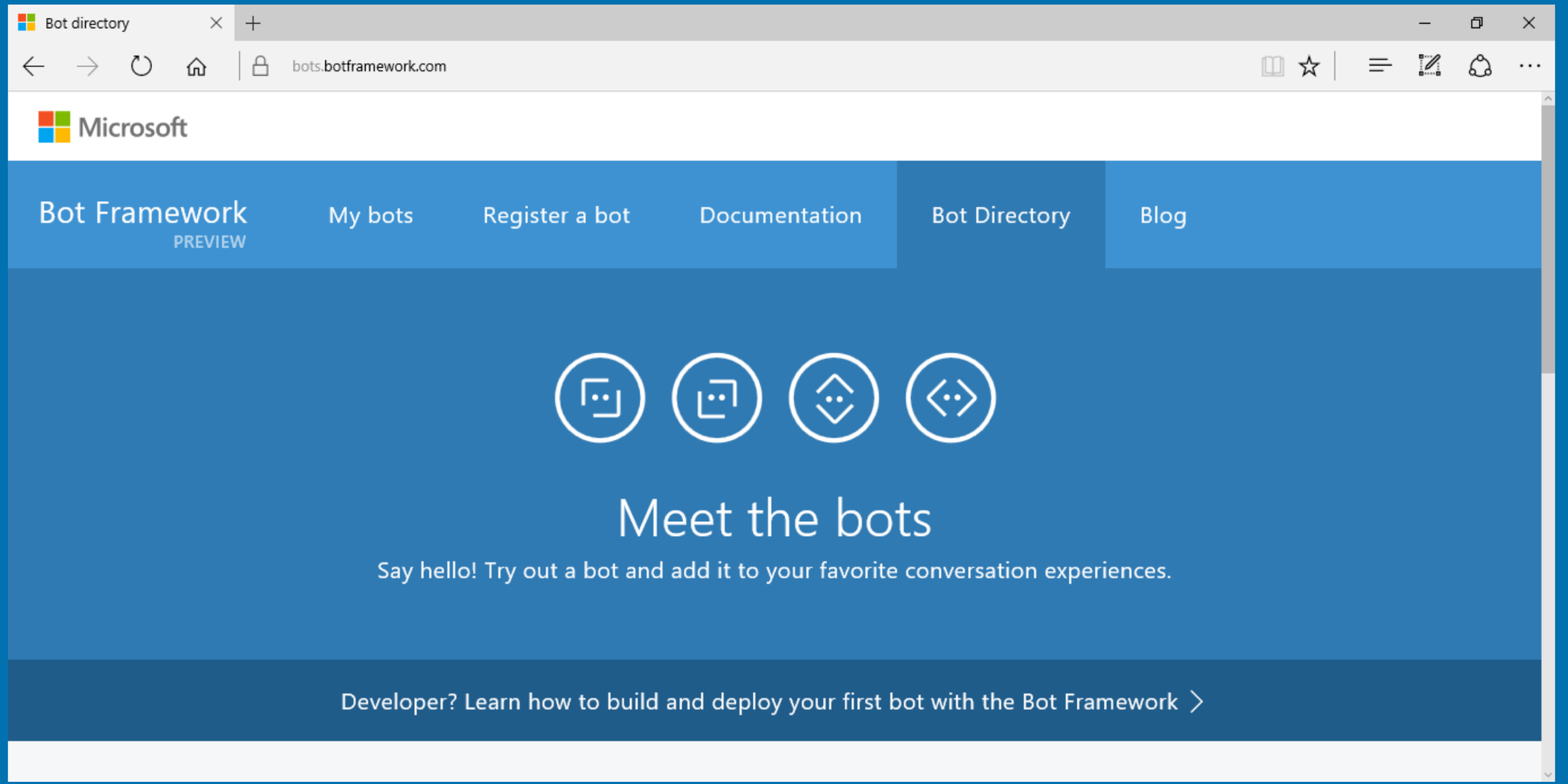
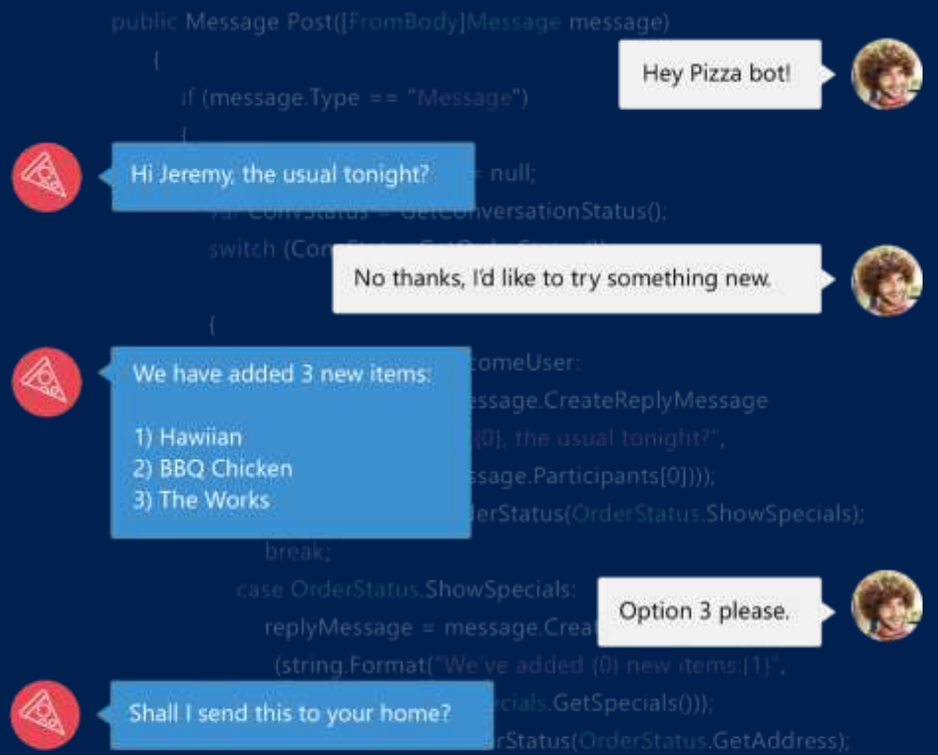
Bot Directory



https://bots.botframework.com/

Bot Framework

Bot Framework is a Microsoft-operated service and an SDK.



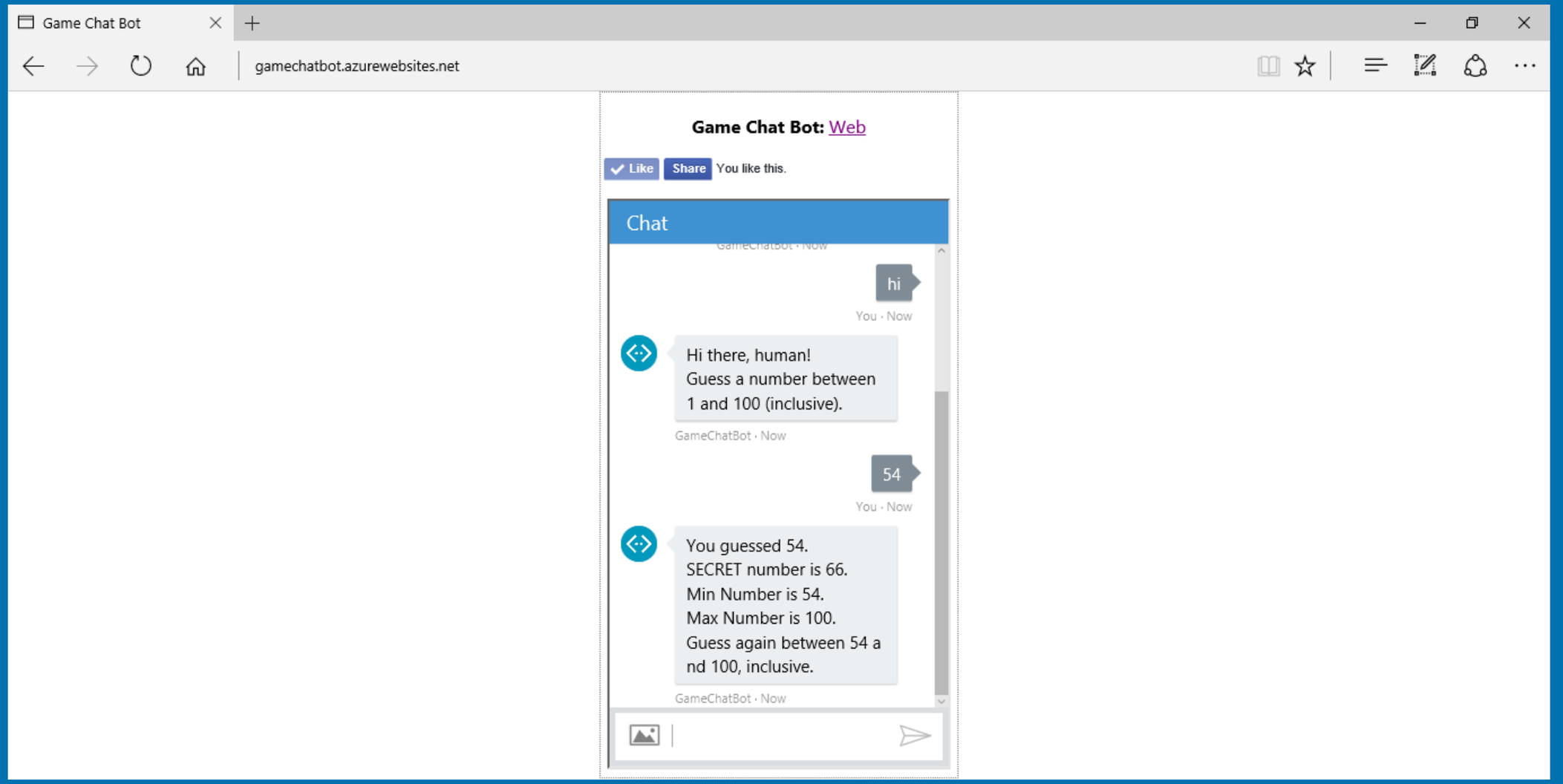
Bot Framework is one of many tools Microsoft offers for building a complete bot.

Others include: LUIS, Speech APIs, Azure, more

www.botframework.com

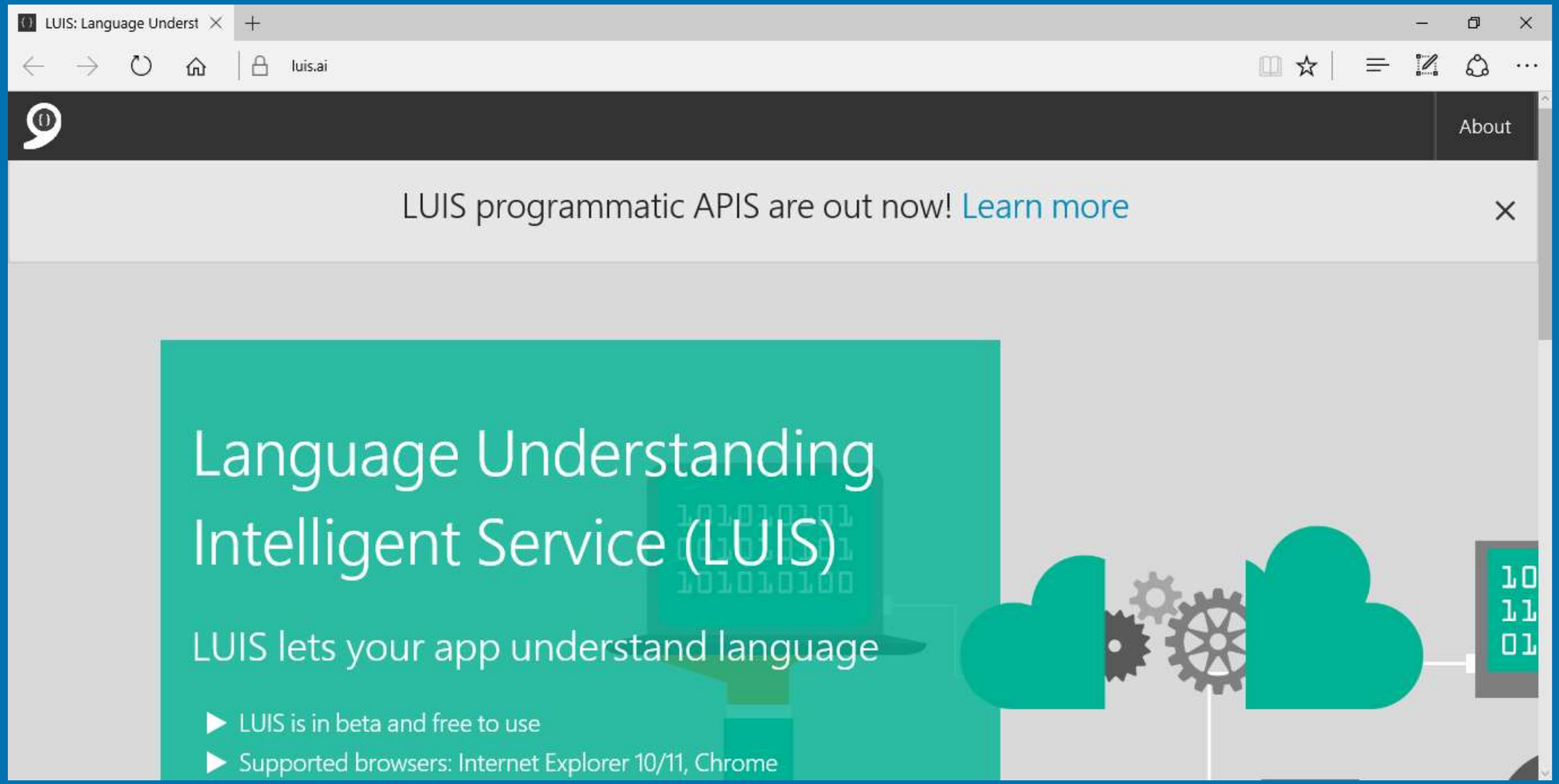
Demo

Game Chat Bot



http://gamechatbot.azurewebsites.net/

Language Understanding Intelligent Service



https://www.luis.ai/

감사합니다

Thank you!