

Developing Facebook Messenger Bot with Python



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Outline

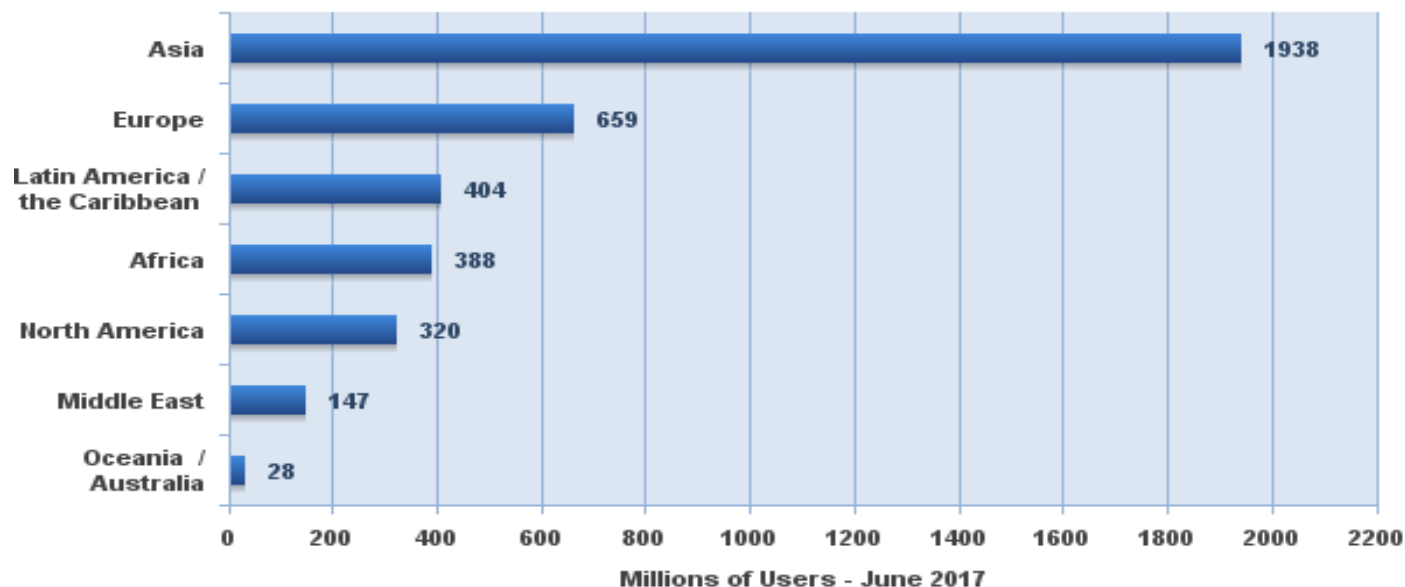
- About
 - What is Bot
 - Why ChatBot
 - Why Facebook ChatBot
- What we need
 - Platform and tools
- How to do it
- Dive into magic

What is Bot/ChatBot

- Software programs or User agents
- Performs repetitive tasks automatically
- ChatBot is a program that can converse like a true human being
- ShopBot is a Bot that can search for lowest price products on your behalf and suggest the best available options
- KnowBot is a Bot that collects knowledge according to a given criteria by visiting different sites automatically
- Web spiders and crawlers troll the web and store new web pages for a search engine

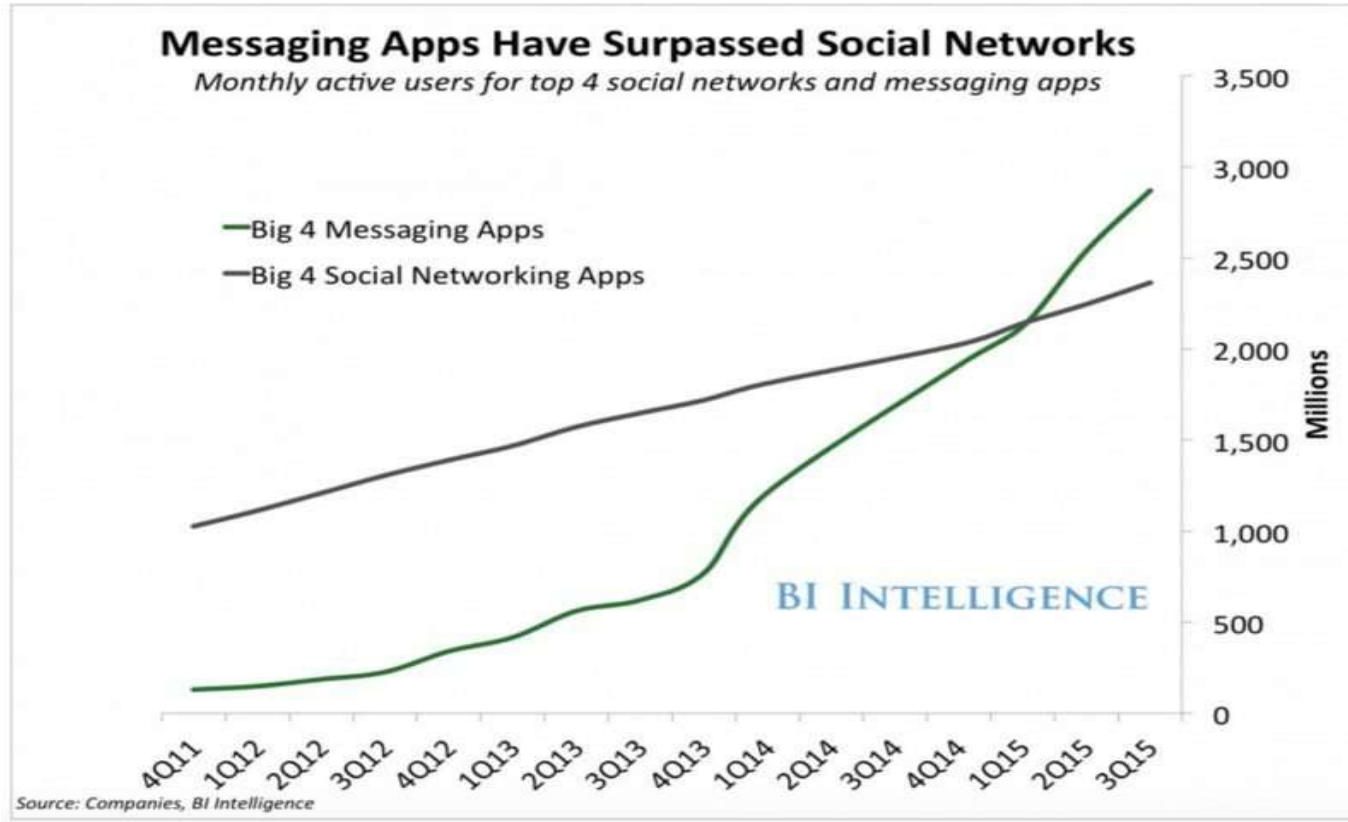
Why ChatBot?

Internet Users in the World by Geographic Regions - June 30, 2017



Source: Internet World Stats - www.internetworldstats.com/stats.htm
Basis: 3,885,567,619 Internet users estimated in June 30, 2017
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Why ChatBot?

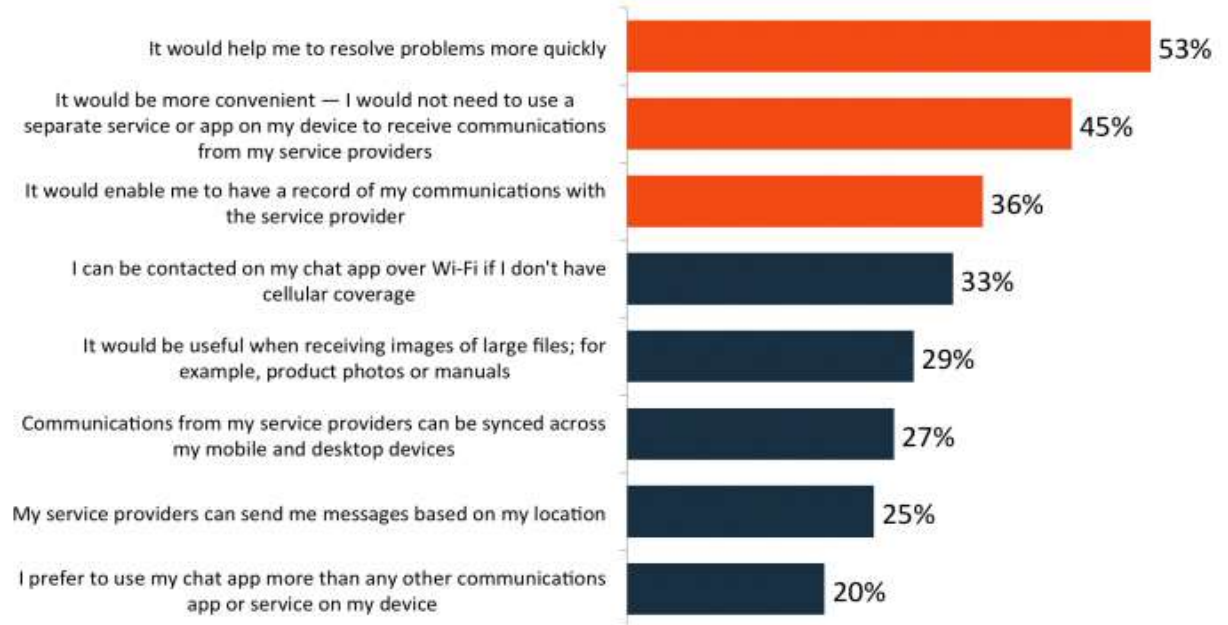


Why ChatBot?

- Less Time Consuming
- Convenient
- Easy Record Keeping
- Better Availability
- Better Service

Reasons Consumers In The US And Germany Want To Be Contacted By Service Providers Over Chat

2016

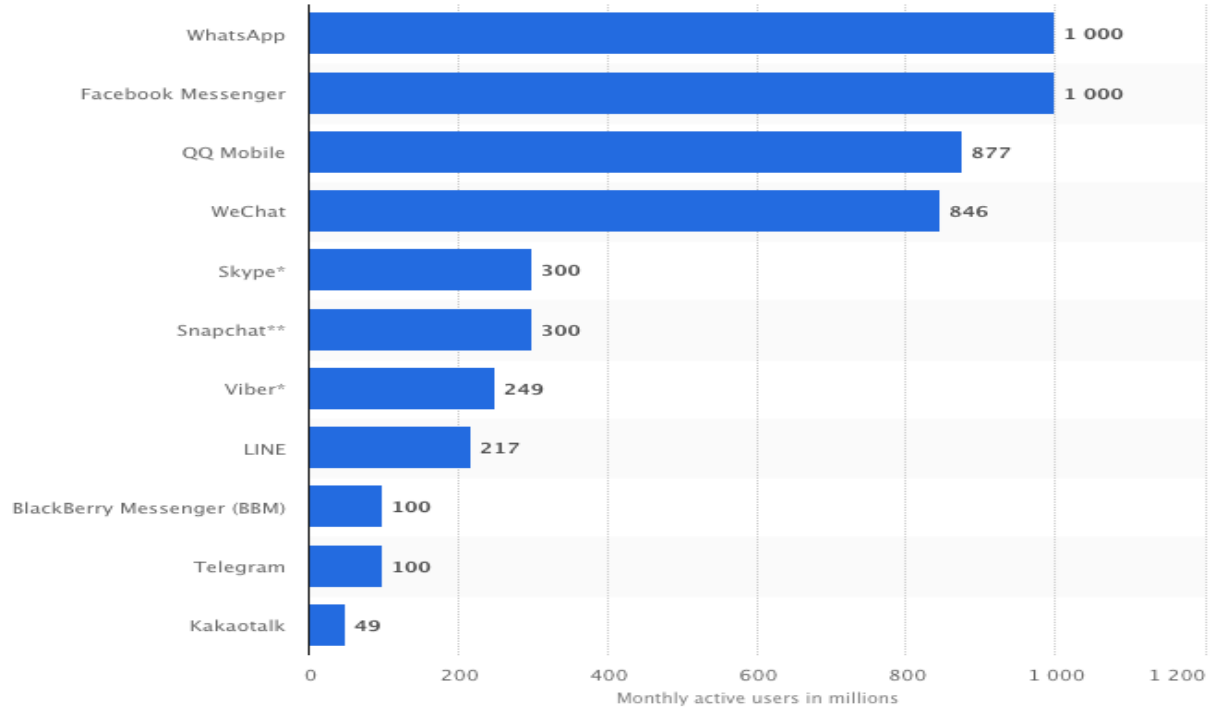


Q: You said 'yes' to the possibility of being contacted by your service providers using a chat app - could you please tell us for what reason you would like to be contacted?

Note: N=496

Source: Ovum

Why Facebook ChatBot?



Why Facebook ChatBot?



Some Popular Facebook ChatBots

- CNN -- Shows top news headlines
- 1-800-flowers.com -- Order flowers
- HealthTap -- Get Health advice from real doctors
- Shop Spring -- Shop for clothes and accessories
- Niki.ai -- Pay bills, do recharge, book movie tickets, cabs, and more
- Poncho -- The weather cat
- MemeGeneratorBot -- Creates a Meme in seconds
- Uber Messenger Bot -- orders your Uber ride from Facebook messenger

What We Need?

- Facebook Account
- Facebook Developer Account
- Python and Flask
- ngrok/Heroku
- An awesome idea to create value

How to do it?

- Create a Working Webhook Endpoint
- Create a Facebook Page
- Create a Facebook App
- Setup Your Messaging App
 - Generate a Page Access Token
 - Setup Webhook
- Start Chatting with Your Bot
- Customize Your Bot Behaviour
 - Receiving Messages
 - Sending Messages
- Submit Your App for Review

Let's Dive into
Magic