COMP 9322 Software Service Design and Engineering

Lecture 4 - Part2 Cognitive Services

Disclaimer

Parts of the slides taken from Cognitive Services
 Engineering presentation by Sci Prof Boualem Benatallah and Shayan Zamani

What is Cognitive Computing?

- "Cognitive computing represents self-learning systems that utilize machine learning models to mimic the way brain works"
- Evolution of Computing
 - 19th Century Tabular Computers (Charles Babbage)
 - 1950 Programmable Computers (ENIAC)
 - Now: Cognitive Computing

The Features of Cognitive Computing

Adaptive

Interactive

Iterative and stateful

Contextual

Scope of Cognitive Computing

Engagement

Decision

Discovery

Limitation of Cognitive Computing

Cumbersome training

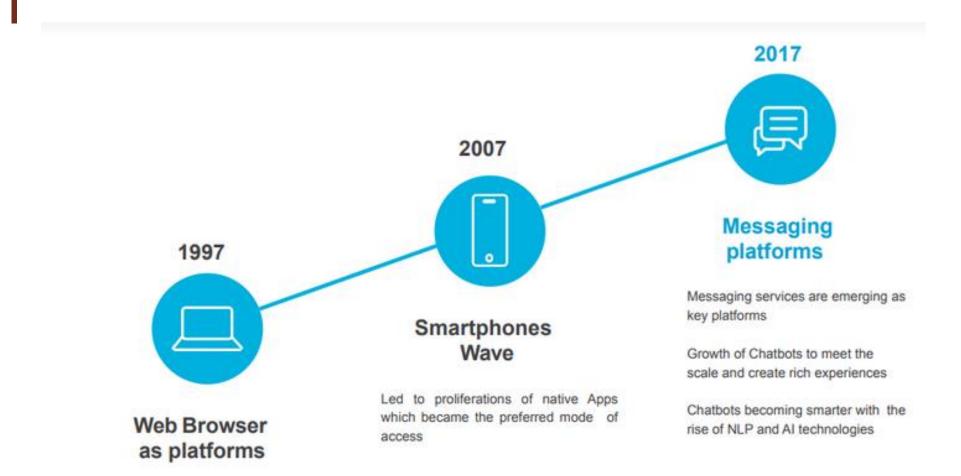
Low consideration of Risk

Cognitive Computing Vs Al

Think like a human Vs give best intelligent Answer

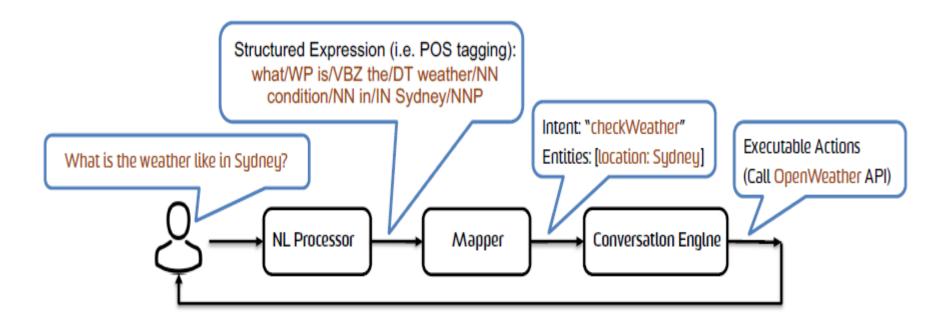
thinking, reasoning and remembering

Conversational Bots (ChatBots)



Websites and Search engines became the primary mode of

Conversational Bots (ChatBots)



ChatBots Design Guidelines

- 1. Don't pretend to be a human
- 2. Keep it incredibly simple
- 3. Respect the chat medium
- 4. Optimise for the end user
- 5. Provide an escape hatch
- 6. Use structured input when possible

Questions?