

Hey Liferay! Driven by voice



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- · Why talking about vocal interaction today
- . Our idea and what we have done
- . The development
- . Demo
- Advantages



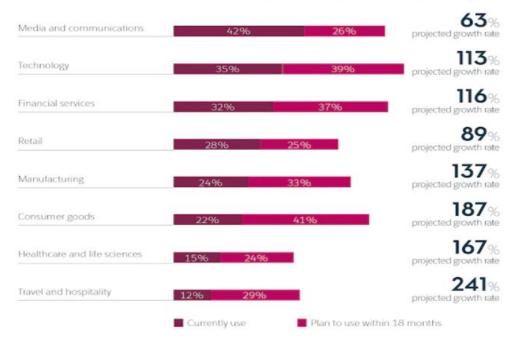
Why talking about vocal interaction today

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- . Interact with a machine using the voice has alwalys been a goal
- . 2004 the vision of Bill Gate moved from 'a pc in every house' to 'use a PC with the voice'
- . 12 Oct 2012: the first release of Siri on Apple mobile devices
- Suggesting to hire a virtual assistant is becoming a business model
- People trust in virtual assistant
- 2020 Covid reinforce the need to interact with a machine without touching it

How are AI chatbots used in business

Use or Planned Use of AI Chatbots Among Service Organizations, by Industry



"State of Service," Salesforce Research, March 2019.

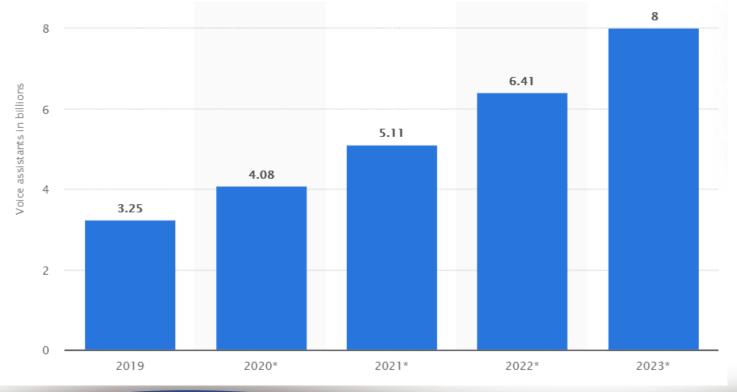
Why talking about vocal interaction today

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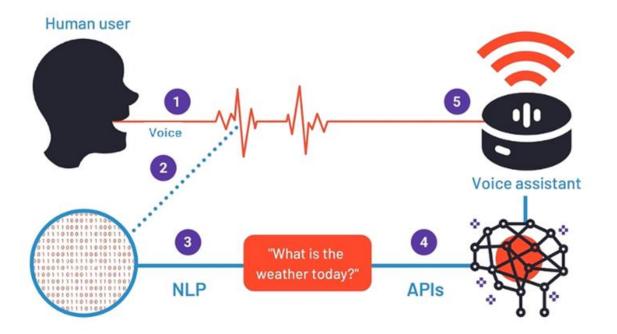
Number of digital voice assistants in use worldwide from 2019 to 2023 (in billions)*

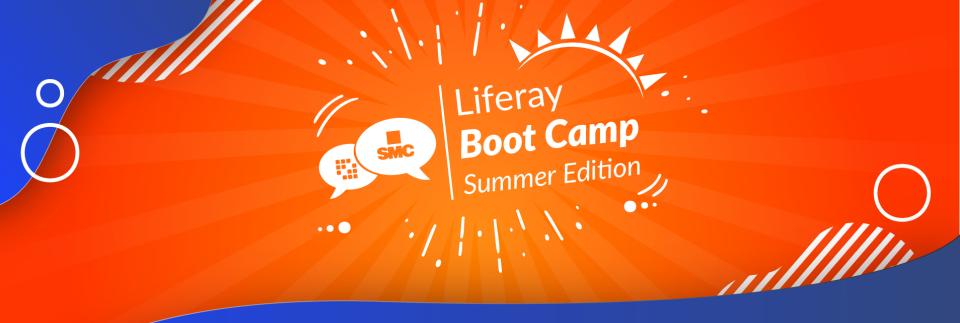


An automatic agent (**Bot**) that interacts with humans using Natural Language Flavour of conversating with a human being Designed to mimic human interaction

Wikipedia: "A chatbot (also known as a talkbot, chatterbot, Bot, chatterbox, Artificial Conversational Entity) is a computer program which conducts a conversation via auditory or textual methods. Such programs are often designed to convincingly simulate how a human would behave as a conversational partner, thereby passing the Turing test. Chatbots are typically used in dialog systems for various practical purposes including customer service or information acquisition.

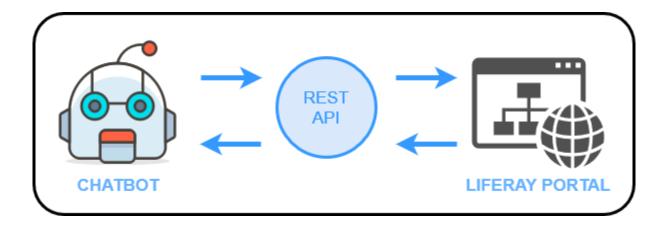
How it works





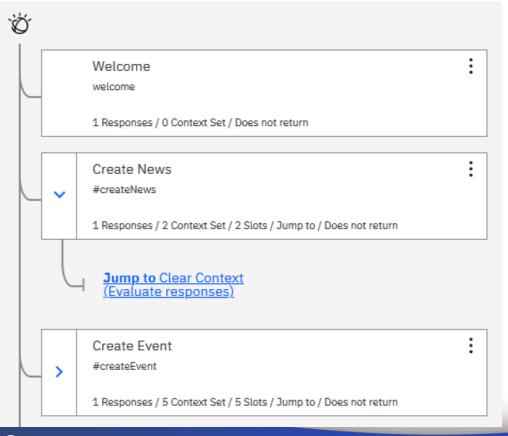
Our idea and what we have done

What we have done



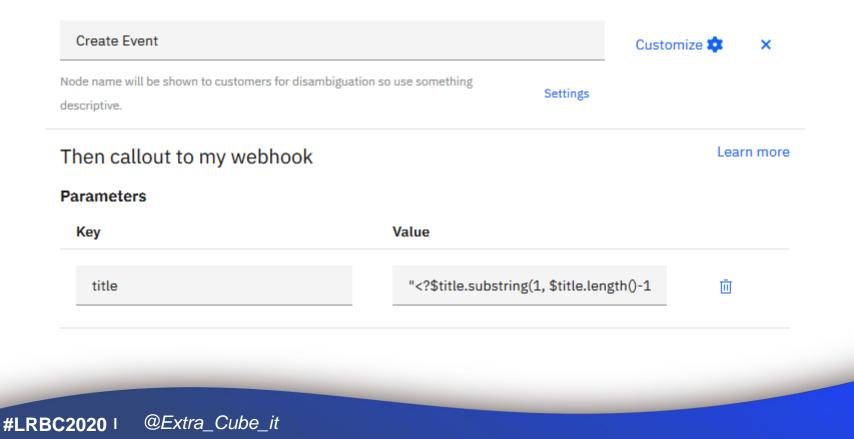


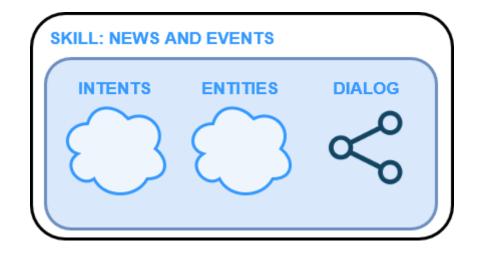
The development

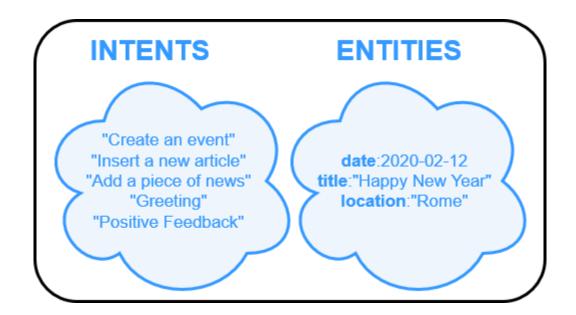


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@Extra_Cube_it







REST API DATA

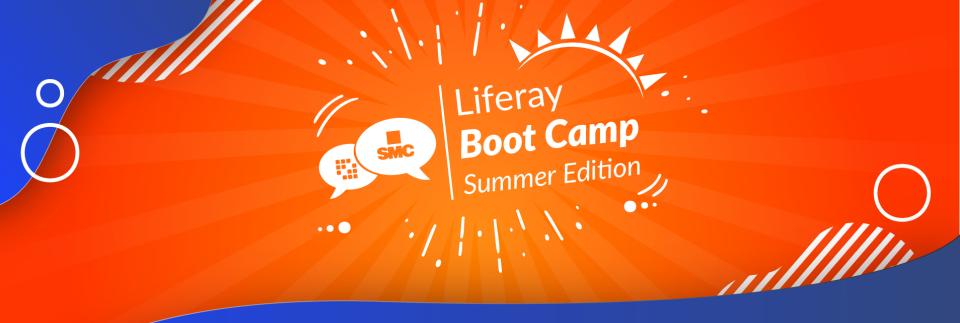


REST API on LIFERAY

<pre>@POST @Consumes(MediaType.APPLICATION_JSON) @Produces(MediaType.APPLICATION_JSON) public ServiceResponse createContent(</pre>	<pre>import lombok.Data; @Data public class InputData { private String title; private String description; private String opType; private String location; private String startDate; private String endDate; }</pre>
<pre>if (data.get0pType().equals(Constants.OPERATION_NEWS)) { return createNews(portalURL, locale, companyId, adminUser, groupId, serviceContext, data.getTitle(), data.getDescription()); } else if (data.get0pType().equals(Constants.OPERATION_EVENT)) { return createEvent(portalURL, locale, companyId, adminUser, groupId, serviceContext, data.getTitle(), data.getDescription(), data.getEndDate(), data.getStartDate(), data.getLocation()); } else { return new ServiceResponse("", "Unsupported input parameter " + data.get0pType()); }</pre>	
@Data	

@AllArgsConstructor
@NoArgsConstructor
public class ServiceResponse {
 @Getter
 @Setter
 public String link;
 public String message;
}

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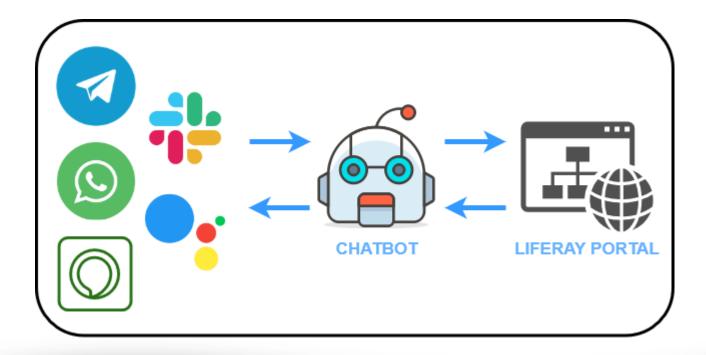




Here we go



Possible extentions



Pro and Cons

PRO

- . Improved User Experience
- . Content creation doesn't need specific skills
- Contents might be created automatically 24hrs a day
- . API can be used by different chatbots

CONS

• NLP models more complex might need more time and resources



Questions



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