





### A Prototype Conversational Agent

#### Final goal

- to design and implement an interactive <u>prototype</u> for a conversational agent
- o it should be vocal and/or textual (only or mainly, it is up to you)
- the answers will be "fake"
  - it will always answer the same 2-3 things for each different question

## Step o

Choose your specialty!

#### Step o

- Decide what the conversational agent should be able to "do"
  - o you can reuse some of the ideas from your journey map!
  - o the "intelligence" should mainly be in the "conversational" part
  - o write it down the topic/idea/problem to be solved
    - e.g., "our app will support/help/... people to..."
    - in a <u>slide</u>

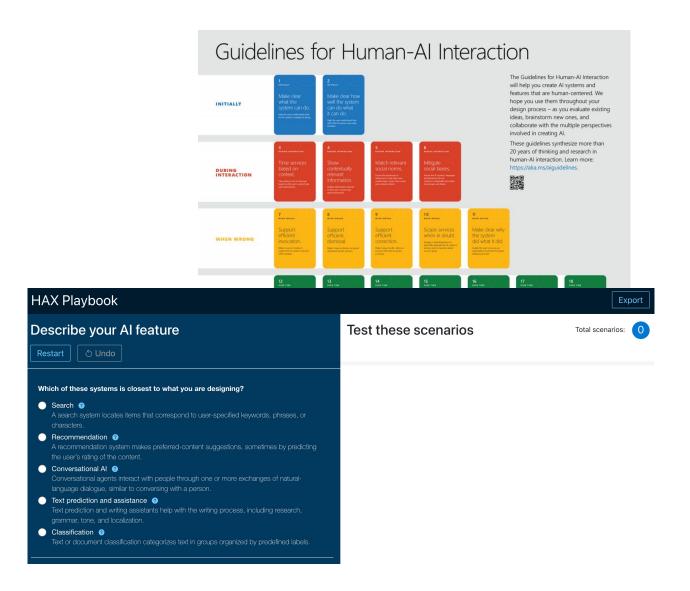
Design the Conversational Interface

- Design the conversational UI
  - o in a <u>slide</u>
- Possible questions:
  - o Which dialogues?
  - O Will all the answers be textual/vocal, only?
  - O How to recover from errors?
  - O Which is the tone?
  - o How many details?
  - 0 ...
  - Which Human-AI Interaction guidelines follows and/or ignore? Why?

#### Use this!

https://www.microsoft.com/en-us/haxtoolkit/library/

https://www.microsoft.com/en-us/haxtoolkit/playbook/



Share the idea and a significant dialog with the class!

Implement a Prototype!

On Feb 3-9

- Implement an interactive <u>prototype</u> for your conversational agent
  - o Choose the main functionalities!
  - One to two, only
- By using Dialogflow and Python
  - you can tweak/replace the HTML/CSS/JS part, if needed
- By starting from the example shown in class last week

Share it!

- Present your prototype and the underlying idea in 10 minute
  - Put together the slides you prepared
  - Add a couple of screenshots/screen-recordings
  - Prepare a short demo
  - Connect your laptop to the projector... and speak!

Submit it!

#### **Submission Instructions**

- One per team, choose a "submitter"
- Convert the set of slides you prepared in PDF and name it as follows:
  Lastname\_Firstname\_ex4.pdf (example: Monge\_Alberto\_ex4.pdf)
- Upload the resulting file to OwnCloud, at the following URL:
  <a href="https://baltea.polito.it/owncloud/index.php/s/IBhBfjeiW7pvSAa">https://baltea.polito.it/owncloud/index.php/s/IBhBfjeiW7pvSAa</a>
- By the end of the week (Feb 13, 2022)