Conversational Agents Prototyping

Human-AI Interaction

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A Prototype Conversational Agent

- Final **goal**
  - to *design* and *implement* an interactive <u>prototype</u> for a conversational agent
  - 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 0

Choose your specialty!

On Feb 5

Step 0

- **Decide** what the conversational agent should be able to "do"
  - the "intelligence" should mainly be in the "conversational" part
  - write it down the topic/idea/problem to be solved
    - e.g., "*our app will support/help/… people to…*"
    - in a <u>slide</u>

Step 1

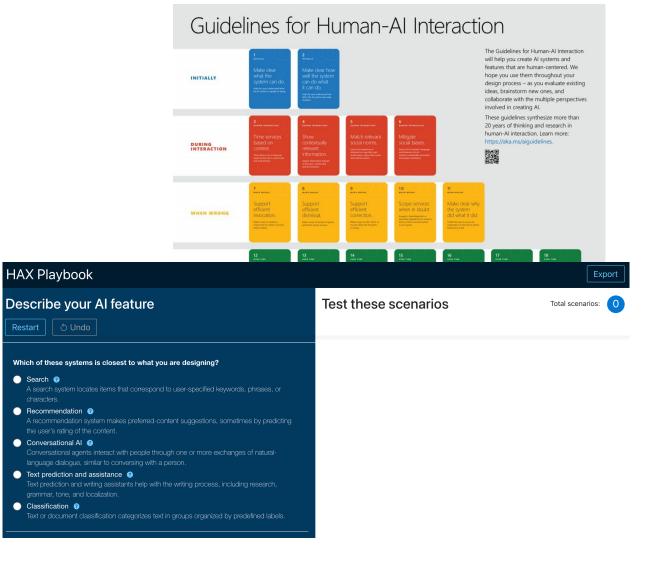Design the Conversational Interface

On Feb 6

Step 1

- **Design** the conversational UI
  - in a <u>slide</u>

- Possible questions:
  - Which dialogues?
  - Will all the answers be textual/vocal, only?
  - How to recover from errors?
  - Which is the tone?
  - How many details?
  - …
  - 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/

Step 2

Implement a Prototype!

On Feb 6-12

Step 2

- Implement an interactive <u>prototype</u> for your conversational agent
  - Choose the **main** functionalities!
  - One to two, only

- By using Dialogflow or the OpenAI APIs
  - you can start from the examples shown in class!

Step 3

Share it!

On Feb 12

Step 3

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

Step 4

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_ex3.pdf* (example: Monge_Alberto_ex4.pdf)

- Upload the resulting file to OwnCloud, at the following URL: https://baltea.polito.it/owncloud/index.php/s/R1sdHXQ7ZCWAitZ

- By **Feb 12, 2024**