



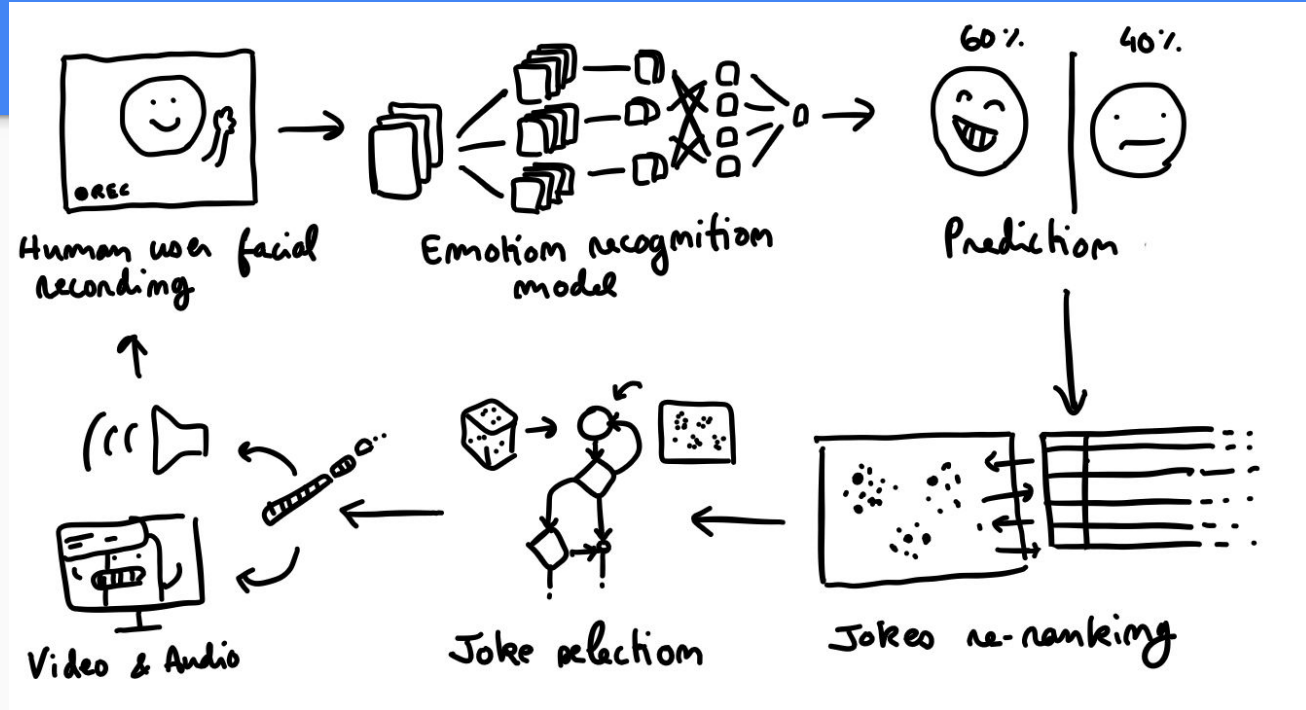
Can I joke on you?

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Idea

A robot that tells jokes to the user. Able to detect the user's facial expressions, he learns to pick jokes the user seems to like.



Goals

Making the user happy and entertained with good jokes.

Exploring the ability of a system to learn based on user's emotions and act on them in a positive reinforcement loop.



Target Group

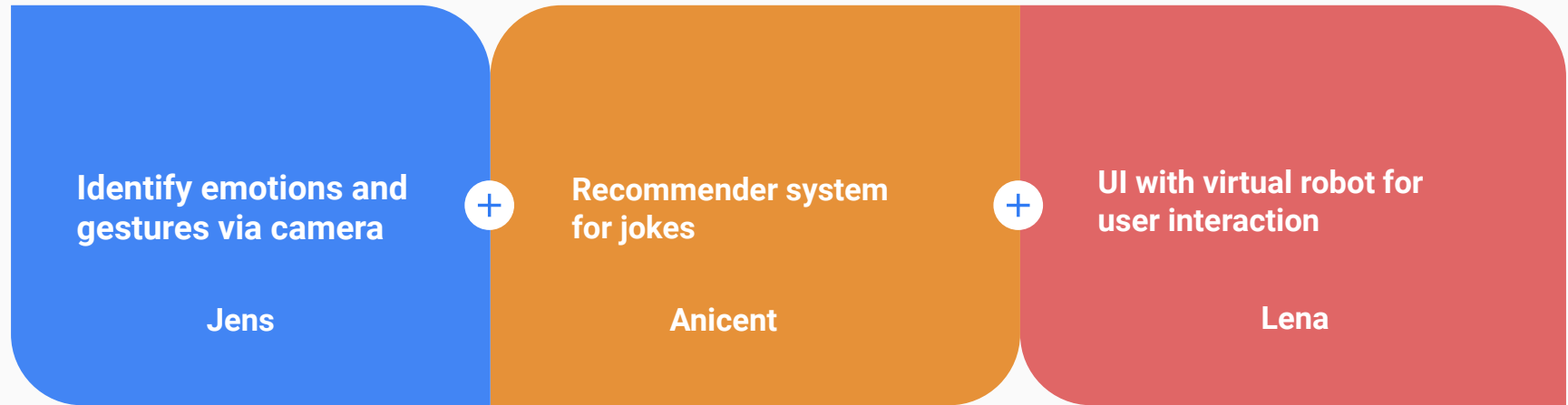
English-speaking students

Why?

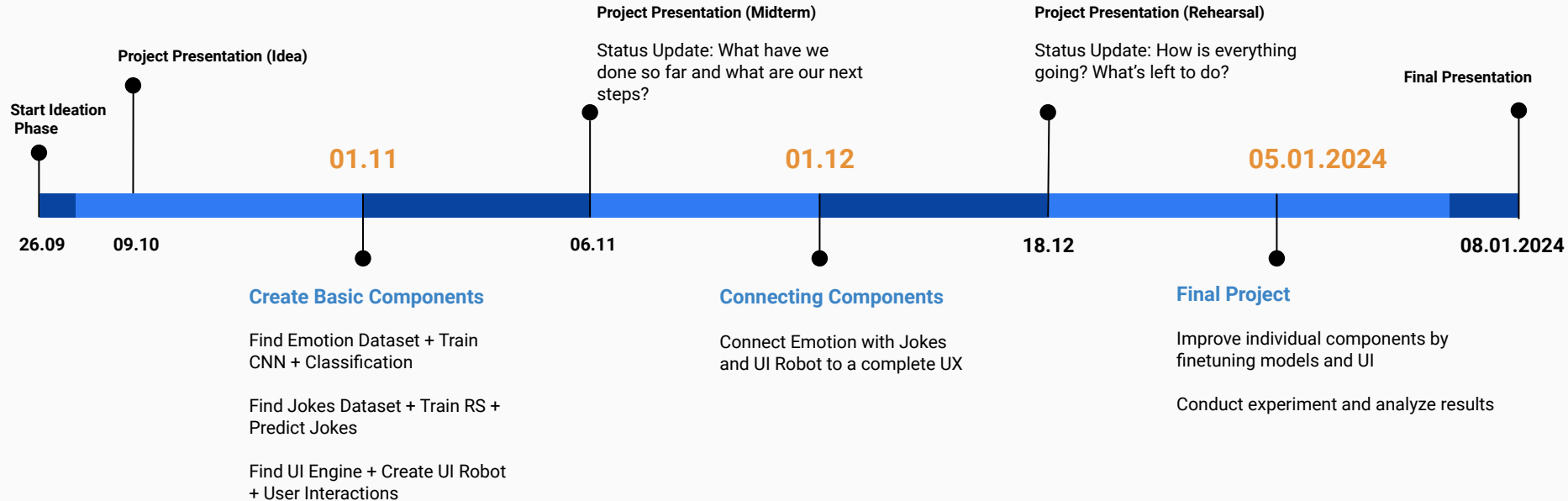
English: dataset of English jokes

Students: more accessible

Parts of the project



Planning



Methodology

User Experiment

Before

- find possible participants (~5)
- schedule meeting
- informed consent (needed?)

During

- prepare setup on one of our own laptops
- let user sit down in front of laptop
- give user task to start the application
- record user interactions with robot
 - video + audio recording
 - manual observation + notes taking
- stop after max. 5min
- give user standardized questionnaire

Project Evaluation

Results from User Study

- analyze results obtained from user experiments
- gather statistics about user feelings towards robot

Results from Project itself

- evaluate performance of project
- how well is joke prediction working?
- how well is emotion detection via facial expression working?

Resources

- Joke Dataset:
<https://www.kaggle.com/datasets/abhinavmoudgil95/short-jokes>
- Smile Dataset:
<https://www.kaggle.com/datasets/chazzer/smiling-or-not-face-data>
<https://www.kaggle.com/datasets/ananthu017/emotion-detection-fer>

Feedback?