Evaluation of Habla

Project 2b
Due March 29th

Overview

- Experiments to evaluate performance of your audioconference (proj2)
- Focus not only on how your software performs, but also
  - design, implementation of experiments
  - analysis
  - writeup

Details

- Two parts
  - in-depth user study amongst group
  - brief user study outside group
- For both parts, evaluate by user perception.
  - 1-2 minute conversation
  - Record user opinions 1-100
  - Pencil and paper, software, …

In Group

- Loss: 0%, 1%, 5%, 10%, 20%
- Latency (by increasing the sample interval): 40ms, 100ms, 250ms, 500ms, 1000ms
- Connection type: TCP, UDP
- Speech detection: on, off
- Note, not in combination but vs. baseline case

Outside Group

- 1-3 people outside of your group
- Record some basic information
  - age, gender, profession…
- Loss rates of 0%, 5%, 20%
- Record
  - Quality score (scale 1-100)
  - Subjective comments ("sounded good", "was hard to talk", etc).
  - Ask to compare with phone call

Report

- Introduction (brief)
  - hypotheses and motivation
- Background on your software (optional)
- Design of your experiments (brief, since given)
  - details on above
- Analysis (detailed)
- Conclusions (brief)
  - summarize findings
- Abstract
  - 1 paragraph
  - Write last, goes first