Multi-modal applications

Multimodality

- What is multimodality?
  - Multi-media vs. Multi-modal
  - Most system do not allow parallel use of multiple modalities
- What is the benefit of multimodality?
  - User dependent, e.g. old people
  - Task and scenario dependent, e.g. in-car scenarios
- How to choose what modality to use
  - Complementary cognitive load -> avoid overload
  - Evaluation?
    - Questionnaire
    - No task-based evaluation? E.g. Reduce number of turns?
- Why isn't it on the market yet?
  - Difficult to develop and evalulate
  - Human multimodal interaction is not yet understood very well

- Next killer multimodal application?
  - Smart home?
  - Map-based interaction and GPS?
  - Brain-computer-interaction?
- Does the interest for multimodal apps only last for a short period?
  - Fun factor, novelty
  - Need for long term studies