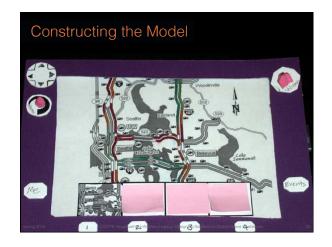
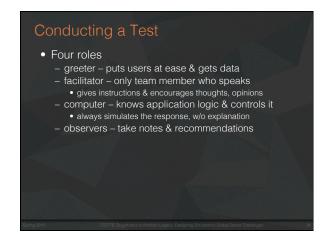


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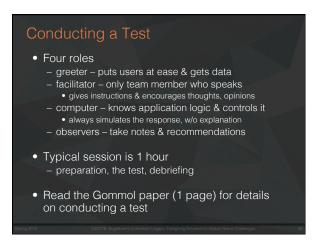




# Preparing for a Test Select your "customers" - understand background of intended users - use a questionnaire to get the people you need - don't use friends or family • I think existing "customers" are OK (Rettig disagrees) Prepare scenarios that are - typical of the product during actual use - make prototype support these (small, yet broad) Practice to avoid "bugs"







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### **Evaluating Results**

- Sort & prioritize observations
  - what was important?
  - lots of problems in the same area?
- Create a written report on findings
  - gives agenda for meeting on design changes
- Make changes & iterate

### Advantages of Low-fi Prototyping

- Takes only a few hours
  - no expensive equipment needed
- Can test multiple alternatives
  - fast iterations
    - number of iterations is tied to final quality
- Almost all interaction can be faked

### Wizard of Oz Technique

- Faking the interaction. Comes from?
  - the film "The Wizard of OZ"
    - "the man behind the curtain"
- Long tradition in computer industry
  - e.g., prototype of a PC w/ a DEC VAX behind the curtain

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- Much more important for hard to implement features
  - speech & handwriting recognition

# Problems with Low-fi Prototypes

- "Computer" inherently buggy
- Slow compared to real app
   timings not accurate
- Hard to implement some functionality
- pulldowns, feedback, drag, viz ...
- Won't look like final product
   sometimes hard to recognize widgets
- End-users can't use by themselves
  - not in context of user's work environment



## Summary

- Prototypes are a concrete representation of a design or final product
- Low-fi testing allows us to quickly iterate
   get feedback from users & change right away

