







Cognitive Task Analysis

• Cognitive Task Analysis is the study of both the actions and cognitive processes required to achieve some goal. There is a wide variety of techniques for identifying and describing the knowledge and cognitive strategies used in task performance. The goal is to collect and analyze the information needed to design systems which are compatible with the user's knowledge, cognitive strategies and limitations.

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Cognitive Walkthrough: Procedure

- Select scribe and facilitator
- Tell a story about what the user is trying to do
- Analyze
 - the accessibility of the correct action
 - the quality of the match between the user's goal and the action's label
 - the feedback provided after the action is taken

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GOM: Goal-Oriented Model		
Overview		
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Cognitive Walkthrough Practice (45 minutes)

- You designed a vending machine.
- How well did you do?
- Evaluate it!
- Revise it, if you must!
- Post your prototype on the board
- Walk around and look at the other designs

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