

Hertentamen HCI – Human-Computer Interaction  
(MMI, MCI or Cognitive Ergonomics)  
vakcode 400312

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Wednesday 6 April 2005

*Please fill in:*

Naam:

Studentnummer:

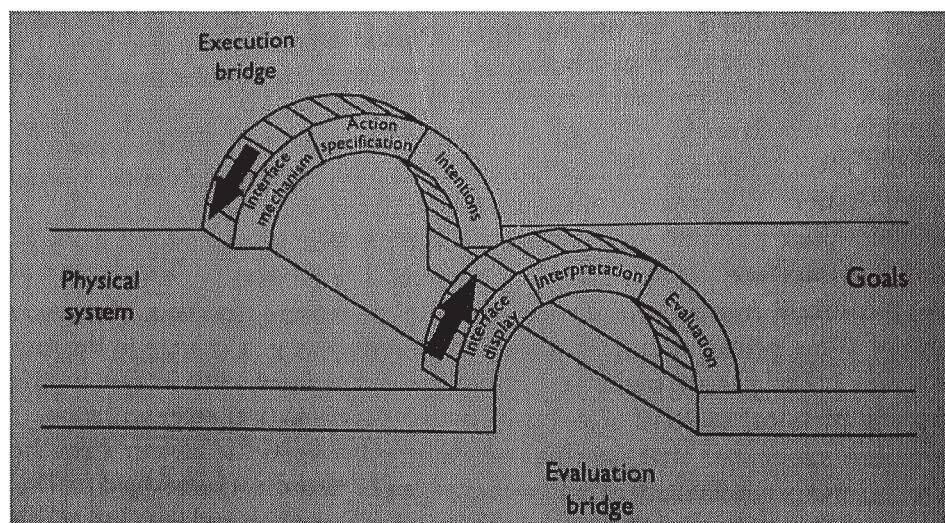
Studierichting / jaar:

Please write clearly, in English or Dutch, in the space provided on the exam paper. In the case of Multiple Choice questions, choose **one** answer which you think is most correct, by placing a circle around the a), b), c) or d).

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1. What are *affordances*? Give three examples of things and their affordances (bonus point for the most original example!).

2. What is the diagram below about? Who developed it?

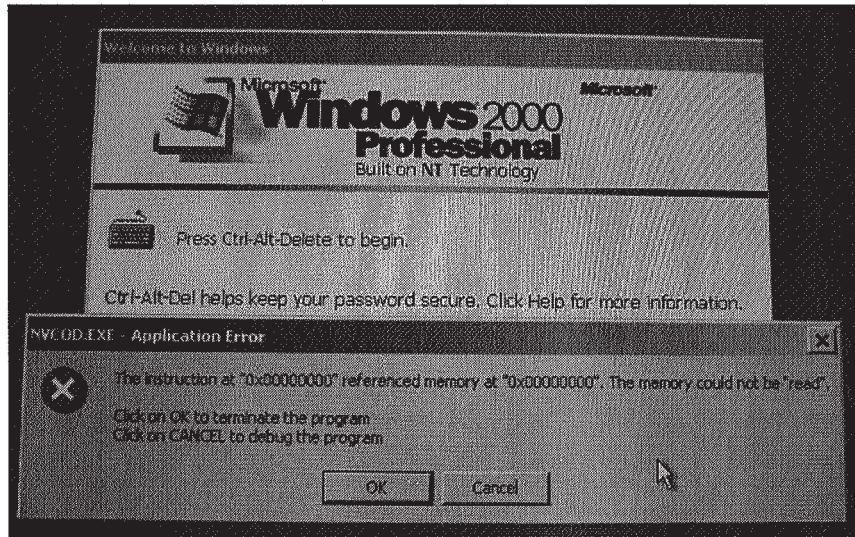


3. What does *CSCW* stand for?

4. A 'Wizard' is particularly useful for:
- a) outlining a complex navigational structure for the user
  - b) guiding a user step by step through a process
  - c) defending users from being attacked by Gollum
  - d) offering the user an overview



7. From a usability point of view the error message in the picture below isn't very elegant. Identify at least three problems with it.



8. How many Degrees of Freedom (DoF's) can a Joystick have? Describe them.

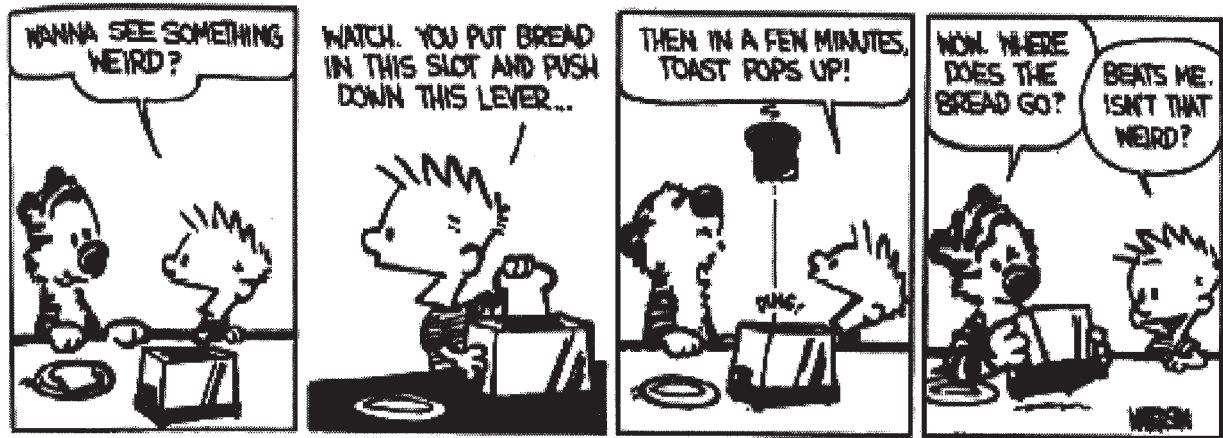
9. Which one of the following statements is true?

- a) An input device is used for presenting information and consists of actuators
- b) An example of a sensor is an LED (Light Emitting Diode)
- c) A display consists of actuators and enables the computer to present output
- d) An example of an actuator is the right mouse button

10. Why do we describe *roles* rather than *persons* in Task Model 1 (TM1) of GTA?



12. What is a good definition of a mental model? Give an example.



13. A structured user interface design method consist of a number of elements. Name four of them, and describe two of these in more detail.

14. What are the potential disadvantages of using metaphors in the user interface?

