User Interface Design
Assignment 1
Natural User Interaction (NUI) contributes to minimize the gap between the user and the computing devices. Which of the following, is/are factors that support the NUI in computing?

Select one or more:

- a. Typing a user name and password
- b. Text to speech in reading a document
- c. the visual recognition of the user
- d. Speech to text in word processing
- e. Gesture based user actions
Which of the following rule(s) is/are not true with regard to human memory?

Select one or more:

- a. Attention affects the short term memory
- b. Long term memory does not decay irrespective of revision
- c. Semantic adds value to episodic memory structures
- d. Patterns in data do not help the memory
- e. Rehearsal is a technique to improve the capacity of short term memory
Which of the following is/are true with regard to interaction?

Select one or more:

- [ ] a. slips and mistakes are two types of human errors in interaction
- [ ] b. ergonomics is an important aspect for the interaction
- [ ] c. a language is required for interaction
- [ ] d. devices and their facilities define the interaction
- [ ] e. a model will not help to understand the interaction
The difference between the user's formation of the action to reach the goal and actions allowed by system is referred to as

Select one or more:
- a. Slips
- b. Mistakes
- c. Gulf of execution
- d. Gulf of execution
- e. Interface differences
Question 5

Which of the following is/are technology for indirect interaction?

Select one or more:

- a. LTM
- b. OCR
- c. Virtual memory
- d. Data compression
- e. Non-volatile memory in flash disks
Question 6

What would you like to find in a "good" interface,

Select one or more:

- a. Customizable Features
- b. Mono chrome colors
- c. Audio notification for user inputs
- d. Help assistant character
- e. Only graphical components
Which of the following is/are true with regard to widgets?

Select one or more:

- a. Colour pallets is a widget component
- b. Dialog boxes are no widgets components
- c. Appearance is important but not semantics in widgets design
- d. Buttons are kind of widgets
- e. Widgets includes WIMP components
Question 8: Which of the following could be considered to use in developing intelligent interaction?

Select one or more:

- a. Windows 7 API for multi touch interaction
- b. Windows 7 API for Sensors.
- c. use of WIMP component
- d. synchronize visual and audio streams
- e. The use of context in the design of application.
The most important human senses to HCI are

Select one or more:

- a. Vision
- b. Hearing
- c. Smell
- d. Taste
- e. Touch
With regard to long term memory which of the following is/are true?

Select one or more:

- a. Information is placed from the STM (Short Term Memory) through rehearsal
- b. Long term memory may store information in a semantic network
- c. Store factual information, experiential knowledge, procedural rules of behavior
- d. Accessing information from long term memory is faster than from the short term memory
- e. Long term memory store stimuli received from the human senses
Thank You