

95

HCI Quiz 9

Name: Brandon Buchanan

1. Name one of the two usability-specific software lifecycle models:

-10 Waterfall

2. Why is *iterative* design and testing important for software usability?

✓ At each stage of the lifecycle process, design is reevaluated to ensure the best usability model is met.

3. Give an example of a "ubiquitous computing" application:

✓ RFID tags in clothes

4. Briefly explain crowdsourcing:

✓ Having a multitude of users contribute to a task to get the collective wisdom of a group as well as lighten the workload per user.

5. IVR/VUI menus should be kept to around 7 items. Why?

✓ Users are not going to remember many different choices. It may also take a long time to present each choice in serial.

6. Name 3 interface limitations of mobile devices (phone, pda, etc.):

✓ a. Small screens

b. Less data intensive - data plans can be expensive

c. Hardware may be less powerful

7. Name 3 things in an interface that might have to be changed when it goes from being a US-only application to an international application:

✓ a. Currency, date/time

b. Language

c. Cultural morals - example: collectivism

8. What's another way to input text besides the QWERTY keyboard?

✓ Speech recognition - Siri, Dragon Dictation...

Bonus: Give an example of each type of input device.

Absolute: touch screen

Relative: joystick

Clutched: mouse

15