

2 Lecture - CS408

Important Subjective

What is usability in the context of Human-Computer Interaction (HCI)?

Answer: Usability refers to the ease with which users can interact with a technology or system, including factors such as learnability, efficiency, and reliability.

Explain the concept of user-centered design in HCI.

Answer: User-centered design is an approach in HCI that involves involving users in the design process to ensure that the technology being developed meets their needs and preferences. It involves techniques such as user research, persona development, and usability testing.

Why is feedback important in HCI?

Answer: Feedback is crucial in HCI as it provides users with information about the outcome of their actions and helps them make informed decisions. It allows users to understand how the system is responding to their input and make adjustments accordingly.

What is context-aware design in HCI?

Answer: Context-aware design is an aspect of HCI that involves adapting the interface or functionality of a system based on the user's context, such as their physical, social, and cultural environment, to provide a personalized and relevant experience.

Why is accessibility and inclusion important in HCI?

Answer: Accessibility and inclusion are crucial in HCI to ensure that technology is usable and accessible to all users, including those with disabilities. It aims to design technology that can be used by people with diverse abilities, ensuring inclusivity for all users.

How does aesthetics impact HCI?

Answer: Aesthetics refers to the visual and sensory appeal of technology and can impact users' perception and experience. Well-designed interfaces with pleasing aesthetics can enhance users' enjoyment, engagement, and trust in the system, contributing to overall usability and effectiveness.

Explain the concept of learnability in usability.

Answer: Learnability is a factor of usability that refers to how easily users can learn to use a system. A system with high learnability would be easy for users to understand and start using without much effort or training.

What are some techniques used in user-centered design?

Answer: User-centered design involves techniques such as user research, persona development, usability testing, and prototyping to gather feedback from users and iteratively improve the design of the system.

How does feedback help users in HCI?

Answer: Feedback helps users understand the status, progress, and results of their interactions with a system. It informs users about how the system is responding to their input, allowing them to adjust their actions accordingly and make informed decisions.

Give an example of context-aware design in HCI.

Answer: An example of context-aware design in HCI is a weather app that provides location-specific weather information based on the user's current location. The app adapts its functionality based on the user's context to provide a personalized and relevant experience.

Note: These answers are meant to provide a brief overview and may vary depending on the specific context and details of the topic.