

4 Lecture - CS408

Important Subjective

Question: What were the early goals of Human-Computer Interaction (HCI)?

Answer: The early goals of HCI were primarily focused on improving the usability and efficiency of computer systems, with an emphasis on interface design, input methods, and feedback mechanisms.

Question: How has the focus of HCI evolved over time?

Answer: The focus of HCI has evolved from just usability and efficiency to encompassing broader aspects of user experience, accessibility, user-centered design, cognitive aspects, social computing, information visualization, and human-centered AI.

Question: What is User Experience (UX) in the context of HCI?

Answer: User Experience (UX) in HCI encompasses the overall experience that users have while interacting with a computer system, including factors such as aesthetics, engagement, satisfaction, and emotional response.

Question: Why is accessibility an important goal in HCI?

Answer: Accessibility is an important goal in HCI to ensure that computer systems are usable and accessible by all users, including those with disabilities or special needs, making technology inclusive and usable by everyone.

Question: What is User-Centered Design (UCD) in the context of HCI?

Answer: User-Centered Design (UCD) is an approach to designing computer systems that involves involving users in the design process, focusing on understanding their needs, preferences, and expectations, and incorporating them into the system design.

Question: Why are cognitive aspects important in HCI?

Answer: Understanding the cognitive processes of users during interaction with computer systems is crucial in designing systems that are efficient, effective, and user-friendly, including how users perceive, process, and interpret information, make decisions, and learn and adapt to the system.

Question: What is Social Computing in the context of HCI?

Answer: Social Computing in HCI involves studying how people interact and communicate through computer-mediated systems, such as social networks, online communities, and virtual environments, and how technology impacts human behavior and social interactions.

Question: Why is information visualization important in HCI?

Answer: Information visualization is important in HCI as it involves designing visualizations that are intuitive, interactive, and effective in helping users make sense of complex data, as data and information continue to grow in complexity and volume.

Question: What is Human-Centered AI in the context of HCI?

Answer: Human-Centered AI involves designing AI technologies that collaborate with humans, rather than replacing them, by making AI technologies transparent, understandable, and interpretable by users, and that work in harmony with human users.

Question: How has the field of HCI evolved in recent years?

Answer: The field of HCI has evolved to encompass various interdisciplinary areas, such as social computing, human-centered AI, information visualization, and cognitive aspects, with a focus on creating user-friendly, accessible, and enjoyable experiences for users in the digital age.