

# 12 Lecture - CS408

## Important Subjective

### **What is the role of affordance in HCI design?**

Answer: Affordance refers to the visual cues and design elements that indicate how an interface or element should be interacted with. It helps users understand how to interact with the interface without needing explicit instructions.

### **Why is feedback important in HCI design?**

Answer: Feedback provides users with information about the outcome of their actions, helping them understand the consequences of their interactions and make informed decisions.

### **What is the significance of consistency in HCI design?**

Answer: Consistency ensures that interfaces are consistent in their layout, behavior, and visual elements, helping users develop mental models of how the interface works and reducing cognitive load.

### **How does flexibility play a role in HCI design?**

Answer: Flexibility involves designing interfaces that can adapt to different users, devices, and contexts, accommodating users with different abilities and devices, and ensuring a consistent experience across different contexts of use.

### **Why is simplicity important in HCI design?**

Answer: Simplicity ensures that interfaces are simple and easy to understand, reducing the cognitive load on users and making the interface more intuitive and easier to learn and use.

### **What is the role of error prevention and recovery in HCI design?**

Answer: Error prevention and recovery mechanisms are designed to minimize the occurrence of errors and provide users with clear instructions on how to recover from errors when they do occur, helping users feel more confident and in control of their interactions with the interface.

### **How can visual cues be used to enhance affordance in HCI design?**

Answer: Visual cues, such as buttons that look clickable or icons resembling familiar objects, can be used to indicate how an interface or element should be interacted with, enhancing affordance and making it easier for users to understand how to use the interface.

### **How can consistency be maintained in HCI design?**

Answer: Consistency can be maintained by ensuring consistent layout, behavior, and visual elements across different parts of the interface, avoiding unnecessary changes that may confuse users and using standard conventions and patterns.

### **Why is simplicity important for improving the usability of an interface?**

Answer: Simplicity reduces the cognitive load on users, making the interface more intuitive and easy to learn and use, and improving overall usability.

### **How can flexibility be incorporated into HCI design for accommodating different users?**

Answer: Flexibility can be incorporated by providing multiple ways to perform a task, offering options for adjusting settings or preferences, and ensuring that the interface works well on different devices and in different contexts of use.