

Module-1

The background features a solid reddish-brown color. On the left, a thick, dark grey curved band sweeps across the frame. Overlapping this and extending towards the right is a large, light grey, three-dimensional geometric shape that resembles a stylized arrow or a series of nested planes. A white, irregular silhouette of a hand is positioned in the center-right, appearing to hold or interact with the geometric form. The title text is placed within the white area of the hand silhouette.

Human Computer Interaction (HCI)

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What is HCI?

- Human-computer interaction (HCI) studies the design and use of computer technology, **focused on the interfaces** between people (users) and computers.



Icon vector created by freepik - www.freepik.com

Human	Computer
Eye (Sight)	Displays/Monitors/Screens
Ear (Hearing)	Speaker/Audio
Nose (Smell)	Not Used Yet
Mouth (Taste)	Mic/Speak/Voice
Hand (Touch)	Keyboard /Touch Screen



Simple Design Principles

- Early focus – User(s) and Task(s)
- Iterative Design
 - Design the user interface
 - Test
 - Analyse results
 - Repeat

User Interface Design (UID) is a Subset of HCI



Let's Design

- Design an Authentication Form for Online Shopping Mobile App.
- Do it manually in a white paper or graph sheet.
- Upload in MS Team Assignment Page.

Activity Duration: 5 Minutes

Challenges

- Is Login Form Simple?
- Why only Login Form? Why not other methods?
 - OTP Based Authentication?
 - Pin Based Authentication
 - Fingerprint Authentication
 - Face Detection
 - Captcha?