

Human Computer Interaction

CSE 4451/CSE 451 (A)

Time : 45 mins

1. Your friend has asked you to give you 100 photos from your last trip. Your all photos are backed up in google photos. You need an internet connection to download the photos but you don't have enough data in your phone. So, you buy data and attempt to download the photos.

Using the Norman's model of interaction, briefly discuss different stages of your interaction with the phone.

2. Between CRT and LCD display, which one is more advantageous and why?
3. What are the major initial paradigm shifts in the history of HCI?

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① User establishes the goal:- downloading photos from the Google Photos.

Set Intention:- after getting connection, I will download photos and then will do further step.

Specifies action at interface:- buying data and get the internet connections.

executes action:- ^{Start} downloading the Photos (all 100 from the last trip) and waiting.

Perceives system state:- track the status of downloading whether downloading is ^{running} ~~stuck~~ or got stucked for any unforeseen situation.

Interpret system state:- Interpret the state and confirming, ^I ~~am~~ downloading the right photos or not.

Evaluates the ^{system} ~~goal~~ with respect to goal:- At last I will evaluating that whether I could be able to give all 100

photos to my friends or not after successfully finishing the downloading process.

③ major ~~shift~~ initial paradigm shifts in the History of HCT are given below:-

① Time sharing: one computer need one large room and users were dividing the using time among them.

like one can use 5min and another one rent 5min.

② video display: previously all things are paper based and have to record in manually. but then this shifts happens. and some documents could see in the display and can record via typing.

③ Programming tool kits: In this step, people are realizing that they can control the whole process of the system by computing and the help of programming. ~~the~~ remarkable changes happened then.

④ personal computer: In this stages everyone is getting his/her own computer and the size of the system is reducing day by day after the invention of micro processor.