HMI - MODULE 3 - CHAPTER 3	Principles of UT Design	GAT TO	Web page
Craphical wer Interface	1) Familiarity		
GUI	2) Connist ency	wer Data & Application	Information & Navigation
interactive usual component	3) Minimal Ausprice	feers	50
through which wer can communicate	4) Recoverability	HW cimited	Enormous
with computer system easily.	s) Wer guidance	Voriations	
used for performing actions by	c) Wer diversity	wer Install, configure, personalite,	link to a site, browce or read
wer and display information	Direct Manipulation	Tasks start, use, up grade	page, fill out forms
on sucen	- Schneidernam, 1982	fromtat Windows, money, contols.	browse e page
Popularity of graphics	- system portrayed as extension	Elements data, tool boars	
- dusign & UI are fundamental	of real world.	Navigation Through menu, list, trees	through links, book marks + typed
changed with the advent of	- continuous visibility of object	ararogr / arrar	URU
graphics	e actions are rapid + incremental	Interaction licking than thoise, pressing buttons, selecting	Boxic interaction is single
- Older test based screen	with visible of result	hit choice	chick
possessed 10 text oriented,	incremental actions are early		K A STATE OF THE S
form like quality, were replaced	reversible - ex: driving a car	Response Nearly instanteneous	Depends on transmission speed
by 3D appearance graphical	- when driver takes the night		+ page content
Eggen of Control Custom	side, the whole scene in front of	wer's controlled a constrained by	Infinite & generally unorganized
Features of Graphical System	him chauges.	Space	
. User Friendly . Reduces memory boad + system	Indired manipulation	Contest Sense of contest is	Sense of contest is peoply
(corning requirement	. Direct manipulation of all screen	neatly manipulated	manipulated
Require less expert knowledge	objects and actions may not be	Talk Target toward epecific audience	Often intended for anyone 2
to use the system	feasible.	with specific task	everyone
- Faster use & faster learning.	- Operations may be difficult to		
	conceptualite		and the second s
- More attractive system.	- Graphic capability of system may		4
- Inclease system control & preolicitable	be limited		
response	=> Indirect manipulation is		
- provide easy reversal of autions	provi ded		
- provide consistency	- replaces word /test with pull down		7
- provide less typing requirements	or pop up menus for symbols - Most window systems are combined		
Characteristics	of direct + indirect manipulation.		•
1) Visual presentation			
2) tick & click interaction		000	
3) Restricted get of interface			
ophians	A		
4) Viqualization			
5) Object Orientation > data object > information		1807	
> contains object -> hold object			
: -> durice object to temperate physical			
world b) Actions			
		to the second second second	