	DATE
	USER INTERFACE DESIGN PROCESS.
1184	1752 Rosen 13:411 1 13 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
lu-	GODD - AND DARLE - HEAR - TOOL - THE SHEET
-1	OBSTACLES AND PITFALLS IN THE
	DEVELOPMENT PATH.
	Davis are send and look and
_	Designels need good look and should make good tool selection
}	Should make good root section
* 1000	1 10 Man Nessa H. Best system
7	bungalu possible people will shell
	Even if you delign the Best system humanly possible, people will still made mistates in it.
7	"Clarge is the Only constant" - Making
0.00	Charge in the Only constant" - Making Contacete to ognose Charge will nous eliminate the need for charge.
	nous eliminate the need for charge.
the	
-	. Nobody luck gets Right the forst horse.
7	Development, Designing always corner
	Development, Designing always corner with box of suplines so should be seady to accept it.
	Seady to accept it.
1 2	
	Pallalla
	Pitfalls
	> Mrs loger and m. dogelanders
	of the user's needs and expectations
	7 Not Beating design prophtypes
	No Usability testing
	> No Common design team rision of uses

erterface design goals. 7 poor communication between membels of the development team. USABILITY Bennett (1979) was the Jost to use the team usability to describe the effectiveness of Burnan performance. restability assessment should begin in the lasty stages of the product development cycle and should be continually applied stagespout. The process. The assessment should onclude the user's entire experience, and all the products fromportant components. Common Westility problems in Web Wability & nothing but common sense. > Inefficient Novigation. 7 Inefficient Operations. -> excessive or Enefficient page salling overload. > Design On Consistency -> Outdated Information.

> Yesnal Clutter 5 Empailed Tythmation Readability. In completensable components. Annoying distactions > Confusing Massigations. Common Usabilety problems on exaphical

Systems Ambriguous menus and Econs Export and direct manipulation limits.

Heghlighting and Belection limits.

Unclear step sequences

Male steps to manage the satesface than

to perform lasks. Enadequate Jeedback and Confirmation Lack of system askeepation and orkeligence Tradequate case messages, help, tutorials and Nome Objective Measures of Usability. How effective es the titesface? Can the Required Parge of falts the accomplished? How learable in the Ortespace?

3. How flexible is the interface?
- What are the attitudes of the user?.
And the first four forms and forms and first to the first
KATA WARNAN WANNAN WARNAN WARNA WARNAN WARNA WAN WARNA WAN WARNA WAN WARNA WAN WARNA WAN WARNA WANA WA
Design beam
Design beam
No an posso mageness, all the sepollo
to me grown possesses all the shine
1 Della la la me necessary rasks
A billaised ocum with very Viffexent Halenly
No one pason possesses all the skills to pason all the necessary tasks.  A Balanced beam with very Verforent talents must be established.
- Development learn o Defone the requirements
Development team & Defone the sequirements and write the software.
betavioral Requirements and apply betavioral Considerations.
Behavastral requirements and apply
belarboral considerations.
- Visnal Design & Specialists in Visnal Design Shills.
Skills.
, Documentation &
- Usability Assessment &. Skilled Tesking specialist
Usability Assessment & Skolled Testing specialist and Wability engineers.
- Dannersalion: Technical and Mon-technical
Dannersalion: Technical and Mon-technical wasters
- Isaining: User Training Specialests.
THE THE PARTY TO COMPANY TO COMPA
Bridge Line Committee Comm
page

know your lease or Client. Undelatanding How people Interact
with computers. Dhy people lave trouble north Use of jægon Non-Obrions design. Fine - distinctions. Desparity in problem-solving skakging Design Enlonsollency. Responses to Pool Design PSYCHO LOUICAL PHYSICAL PSYCHOLOUICAL -y Confusion -> Annoyance > Fauskahon > Panic of & Ress > Boledom.

PHYSICAL 7 Abandonment of the system.
7 Parker use of the system.
7 Andixcet use of the system.
7 Modifocation of the tack.
7 Compensatory activity.
7 Misuse of the system.
7 Disert programming. Human Characteristics on Design. De ale Complex organisons with a rariety of attributes that have an englished expluence on interface and sween design. PERCEPTION — peacepton of our awarness

Ond cudektanding of the elements and
objects of our environment through the
physical sensation of our various senses
sheluding sight, smell and so fath. perception chalacteristics -> Proponity
-> Similarity
-> matching patterns -> Succentiness > closure -> Chity 7 Continuity > Balance

7 Balance -> expectancics -> Context many thanks the same of the sam -> Bégrals relsus nouve. in the description of the States Memory

-> Short team memory

-> Long beam memory Short team memory & seceives informada Zom senses on hong kin memory. Information stoled within it is validably thought to last from 10-30 sciends. knowledge, experience, Jamilaaily govern
the 812e and complexity of information
that can be semembered. Longlism Memory - Contains the knowledge we possess.

Typimatron accelled in short-term memory

for Bransgersed to it and energed acithin it a process called hearing. eg Active vocabulary Cucords that can be recalled) typically rangel from 2,000 - 3,000 words. Passère vocabulary (words that can be scrognized) about 1,00,000 words, Power of recall.

Sensory Slorage Sensoly others on the buffer where the automatic processing of information collected from one senses takes place. It is an unconscious process, which acts.

like radar constantly scanning the

environment for things that are important
to pass on to hogher memory. The Capacity of the eye to seasolve details is Called nisual accusty. Foreal riston is used to Jocus ascertly on something per ipheral vision senses anything in the asca sussounding the location we are looking at, what is there cannot be clearly accorded because of the limitatous in visual accusty on just described. Enformation processing The Information that one senses collect that is deemed one point knows to do something about them has to be processed in some meaningful way. There are two levels of Enformation processing

Lower level processing

higher level processing

Lower level pocesses Jamilar

appendig and is parallel

with higher level and workout

conclors effort. higher level performing reasoning and problem solving. Mental Models. As a Result of our experiences and culture two develop mental models of things and people interact work of. A mertal model i's stemply an entaral Reparsentation of a personis current understanding of something.

explain things, neare decisions, do something or interact with another person Morement Control. Once data has been percebred and an appropriate action decoded upon, a scaponse must be made, on many cases the Response & a eg In computer & plens pressing keyboard, 20 taling trackballs clocking mouse.

Leaning Las been said, os the process of excoding long kenn memby deformation that is contained on short fear mendy it is a complex process requiring some effort on one part. A design developed to mérinize human leaning line can greatly accelerate hernan performènce people prefer to stick with what stey know y prefer to jump on and get started. Unproductive time opent leaving or something that 8 kill The goal of Leenan performance is to perform skillfully. to do so requires linking orphits and responses into a requeree of action.

Skills are Bierarchoeal in nature and many basile skills may be integrated to Jan onescallingly complex ones. Individual Differences.

A Complicating but very advantageous human Characteristic is that use all Veffer - in looks, Jeclonge motor abolities, intellectual abilities, rearing abilities and speed and so on. Design must provide Jor the needs of all popular users,