Human Considerations m Design. knowledge and experience -> Computer literary -> moderate
> None J System experience Thigh moderate how high producted to the perience Thomas high producted the perience Thigh producted the perience Thomas high producted the perience The perienc Task experience Therel 1 herel of

Forel 2 knowledge

Therel 2 knowledge

Therel 3 knowledge

Therefore

There -> Reading level = 5 gth 12th glade. 7 Typing Skill -> Expect (1350Pm)

Skilled (90 WPm)

Sarelage (40 WPm) > Native language and Culture. Job / Task / Need 7 Flequency of Use 7 Frequent & Confinual Constinual 7 Task or Need importance 7 High Smoderate > Task structure > Repetitiveness of Tasks -> Social Interactions of reguirement? -> Primary Training To Self Maining

Psychological characteristics. > positive > Affiliade > neutral > mgakre -> Moliration -> Palience J Pakence. > expertations 7 Kinds > reasonableness 7 Stress level -7 High 7 No 8Ress. > Cognètère Style -7 restal of spotial > Conexite. Physical Charactership > Age - Fage + Elderly -> Crender -> male -> Female -> Hardedness -> Keft > Right > Ambidextions > Desabilities_>Blind -) defective vision > deafness. > motor handicap.

TUMAN INTERACTION SPEEDS The speed at which people can passon using valous communication meltods has been shidted by seacastals. 1) Reading speed — The average adult Reading speed Digwish prose. — 250 - 300 words per minute proof Reading - 200 worde per minute proofheading text on a monitor
- 180 words per minute. Destering - Words can be confortably head and cludes bood at a rate of 150-160 words per minute. Speaking - Dictating to a computer occurre at the speed of los words per minute. (4) Keying - Typewrote Fast Typost - 150 words per mounte Avelage Typest - 60-70 wolde pel minute (5) Hand prinking - people hand print memorized lept at about 31 colds per non. Text copied - 22 Wp min PAGE

Methods for braining an choosedanding -> V30t user locations to cerdostand class Talk to Users about their problems

difficulties, we shes . establish direct

contact with user, avoid intermediance. -> Observe Users whole they are working -> Videobape Uses while working to study problems. -> learn about work Organization whele the System is oretalled Tell the Uses think aloud as they do something to meover details Tay the job yourself

Understand the Principles of Good Screen Design A well designed sieens reflects the Capabileties , needs and tasks of its usels. to accomplish these goals the designer must first destand the principles of good sieen design. und & stand Human Considerations on Screen Design Use of Screen and a system is affected by many factors. these Enclude.

How much information of pesented on a scleen? How screen in Organized?

C) How screen in Organized?

C) larguage ward on the series.

a) arthetous

e) districtiveness of screen's components. How to Boskaet the Sireen Uses -> Unclear captions and badly worked questions. emphasie is danon away some what is impostant to that which is not impostant. PAGE

-> Maleading headings 7 Pool layout creates a bad initial impact and leads to more crass. = pool quality of Bresenfation, legability and appearance. What Screen Users Want? > Orderly, clean, clutter-fee appearance. > Expected Fromation location - "where it should be exactly" -> Plain, simple english. - Simple way of finding Out what is in a system and how to get it out. Titelfece Design goals. -> The goal on Interface design is -> Reduce the resual work. -> Reduce the Intellectual work -7 Reduce niemozy work. -> Reduce Motor work Minimise or eleminate any Briller Or destrebons emposed by rechrologyage

Degarizing Seven elements clearly Vosnal clasify on achieved when the acopyanized and presented in meaningful and meaningful and meaningful and - Rorde Peal-wold Consostency Reflect a person's experiences, expertations work conventions. Consistency - provede enternal conserving that es observe the same conventions and rules for all aspects of an enterface design. - Devoate only when there is a clear benefit for the case. 3) Orderig of Sween Data and Content. - Dévide information into units that are logical, meaningful and sensible - Jam gloups that cover all pessibilities - possible æddling schemes y Convertional > Sequence of use > Jewellon > importance > generic to sperific.

Jone Ordering Schemes have evolved for Cartain elements eg By Days of the week By months of the year Requerce of UBE & Sequence of use gouping involves aslanging information vitems vin ble Odes in which they are commonly received & Rosemitted. eg Adokess. is given by
Horse no, street

city.

State

Zepcode. Thequery of use - information Heme that are based on most grequesty should be grouped at the beggining. Berond most sequently used stem gauged next, and 80 forth. Function of Category - Information Etems are grouped according to their purpose or some common parameter. Car, kaon, plemes) are grouped and placed

Importance & Emportance grouping is based on Enformation's importance to the usee's lask & need eg étems may la organized from best to worst Losgest to smallest. Crendal to specific - Some data are more general than other, general elements should precede the specific elements. 4) Upper-left starting point. Brovide an obvious storting point in the screen's upper-left corner (5) Ecreen Navigation and Flow. The provide an ordering of sceen information and elements that are they think and guesday a person's eye through the display and minimizing pointed and lye movement distances. I locate the most emportant and most frequently used elements at the top left. -> Maintain a top-to-battom, left-to-right
zlow.

-> Assist ravigation through aligning elements grouping elements and using of line bookers. ttough Jocus and Emphasis, Sequentially direct attention to Hems that are in Emphasis that are in the following the sequentially in the sequentially in the sequentially in the sequentially attention to Hems that are in the sequentially in the sequentially in the sequentially attention to the sequentially in the sequential se Secondary . 1) peripheral. 6 Visually Pleasing composition with the following qualities. Balance - Cheate Bereen Balance by

providing an equal weight of sizeen

elements left to Right top and bottom

Balance is Stabilization or equilibrium

a midwey center of suspension. Instability Symmetry: Create symmetry by
Rephicating elements left and Right
of the Solein Centraline.

Symmetry is axial devalication. A unit
on one kide of the Centreline is exactly