INTERACCIÓ I DISSENY D'INTERFICIES

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INTRODUCCIÓ A LA HOI

Human Computer Interaction es el compo que estudia como interactivan los humanos car los maquinos.

uno de los focus crismales del HCI es la <u>usubilidad</u>.

He usabilidad es la habilidad en que un producte puede ser usado bar asmares estacriticas bara pocer taxos estacriticas de maioro

efective of estimate. I con soms forción. confert i acceptable reloció orb Correcteso i del sisteme pelsusuals completesa i completesa os de recursos

USER EXPERIENCE

a crear use expenencia significable, i maraon un record i sentiment.

useful destrable findable accessible credible

DESKTOP SYSTEMS

- keyboard - Lorge Screens

- Mouse pointer - Lorge Resolution

USABILITY PROBLEMS

Inconsistency:

-user les maternes paraules per l'aplicación

- Utilitzor granatica paral·lela per olenett paralels.

tack of feedback

lack of progress indicator

Bed eves messages

UX Panciples & Lows - Ported principle -> The 80/20 Rule L) Boil dels errors son consots pel 2011 dels components. - Aesthetic-Usebility Effect - churking - tecnico de consisteix el separar la informació en maços. - Colour - Consistercy External Aesthetic Functional - LATCH principle -> Redefinition of Fire Rock Hats - Gorbayein - Granbargeaut Ly input information often generates bad results < Type evan etc. bestait Laws - Progranz Low -> tordines & percibir figures simples - Law or clousone - tendinos a completor la tiguis - low or similarity - toldings a sombor - Law of proximity - tendinos a calecter dependiendo de la proximidad - Law of Smetry - tendines a egroper inageres sphetras - Low of continuity -> tendines a seguir una linea artes del color - Law of comma fate -> tendinos acquipar por movimientos cooò Usability praples EIGHT GOLDEN AULES - Stone for consistency -Enable Request users to use short curts - offers informative feedback. - Design dialog to yield clasine - often simple error hordling - Permit easy reversal of actions - provide of the sense of control - Reduce short-then many local

INTERACCIÓ

FITT'S LAW

MT= a+b log_ (2,+1)

0 -> distorcia ai target.

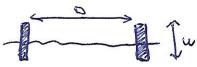
w-> orplade del taget

LAW OF CROSSING

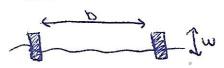
Amba Fitts low s'houre de clicer, era simplement es passe par sobre

 $T = a + b \log_2 \left(\frac{D}{u_1} + 1 \right)$

CONTIDUOS CROSSING

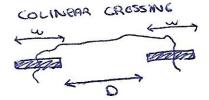


ORTHOGONAL CROSSING



J. J.

DISCRETE CROSSING



STEERING LAW

TYPING & KETBUARDS

- QUERTY
- DUORAK
- AZERTY

HICK-HYMAN LAW

Time to make a decision

T = a + b(HT) -> transmitted information (HT = 1082(Q+1) rprabble attendmes

FITT'S VAW VARIANTS

without
$$HT = a + b \log_2 \left(\frac{D + 0.5W}{W} \right)$$

Mackenzie

Crossinal

$$MT = a + blog_2(\frac{2D}{M}) + clog_2(\frac{2D}{H})$$

COLORS

Kd -> De que color soy?

Ks -> De que codor brillo?

Na coento brillo?