Midha Tahir SE-087 Section B HCI

&1) Designers claiming userfriendly product while eventual users found it not. 3 ome reasons of this are as follows:

i) Designers might forget that users are not and expert. They can make exports when tired. Designers must have designed a system that cope up with all user care less ness. example i) Suppose system is designed, but space buttons space between buttons in not large

enough to have it clicked easily.

Togin Join Bignup (Get Started) ii) Errors occurring in the application should be shown with meaningful colors. Error mersage should not constain any essor code except 404 common one. It should have proper error message. It should also have a way to disappear that error or when user clicks x (cross) button, it should vanish Example ii)

> Error Code 57500001

X Don't

We regret to inforten that services are currently unavailable. Please try again later Cancel)

V DO

use red for error, blue for information and green color for success. 3) App and website should also follow titts' law. Target should be large as possible whereas distance should be as small as possible. The elements that needs to be clicked should be large enough to see and distance should be smaller from user thumb or dick. Example) Parsword LOGIN Password LOGIN Difficult VD0 X Don't 4) App should not have more than two fonts either serif, another sans serif.

App should have proper colors with not much higher contrast. ELSA sans seeif ELSA monospace monospace sans serif elsa login elsa Kazi Vsans-serif X Don't

haidware, (i) A system to let a blind person best one communicate with a deaf person. Choice of devices (22) User: Blind, Deaf persons Hardware: Keypads to communicate or Typewriter, Bell, LCD Software: Based on communication. If communication is through telephone or dévice. Complete networking must be developed. Choice of devices: D Screen-Braille Communicator 3 TTY with Braille Display. Best One: Screen Braille communicator would be the best one. It should have braille keypads with a bell attached for notification for blind people. It should have bell also to indicate deaf people.

User: - Doctor, Assistant Hardware: Die for recording, smartphone, Software: Recording option and sending files, storing fin a database so no file is lost. Device: - Smartphone Application Reason:- Mobile Application would be best choice for recording and uploading and tracking each stored file.

1) Eventual users are not an expert. They can make export. can make expors. Reason) Users can't think like a mind of designess or developers. These may be layman, old or baby operating the system. They should have given latery to make errors. 2) Uses can be careless. They can either click on many buttons each after other without waiting for result, which can cause many errors as, for each click probably oclient side browser is requesting server side and server takes some time to give a response-3) We can't throw bulk of features all at the same time towards user. We have to keep in mind that in order to gras user attention we should have used proper populs, colors, fonts. Then after grabbing attention we can list most Vimportant task there like when uses first visit site, he/she can see clearly Login or get started button big erlough to grab atmost attention. 4) Each person is different. Each person have different vision, memory, emotions.

5) Images are focused upside down on retina. Retina contains rods for low light vision and cones for colour vision. Optical illusions can sometime occur due to over compensation. 6) There are several stages of reading, Vision pattern perceived, decoded using internal representation of languages Interpreted using knowledge of syntax, semantics, pragmatics. 7) Hearing provides information about environment (distances, directions, objects) 8) Touch provides important feelback about environment. 9) Time taken to respond to stimulus is reaction time + movement time. Movement time is dependent on age & fitness. Whereas reaction time depends on stimulus type. 10) Humans have memory functions includes sensory at memories, short term memory (5TM), long term memory. 11) Humans have different thinking & problem solving skills. 12) Emotions also cater to affect influences how we respond to situations. It includes positive and negative emotions, 13) About 8% men and 1% women are color blind. Our application should cater people with down blindness.