

Class Activity

Date: 8-11-21

Q.1a) To implement multimodality in a system for a deaf user, a system that uses haptic and visualisation channel can be used. This will help user to interact more effectively. For requirement gathering from a user a waving hand along with a notification of "ARE YOU THERE", if the user has not interacted system for a while. That will be counted in cultural probe. Eye movement technique to gather the data can also be used. Echoic channel cannot be used as a user is deaf.

b) If the user is reading ^{backward and forward} so the regression ^{on} will prove to be more helpful as it helps in reading the words faster and against the movement of eye. But in other case saccades will be effective for any forward reading and eye tracker can mark the words for both cases based on the movement of eye of the user.

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Q.2 Since the special pasting option is also ^{in setting the} calculating formula as well so it will narrow down the time of the user. And the increase in operation speed can be deducted using Fitt's law by using the perception and reaction time of the user. Now the user do not need to drag the move whole for copying instead a pop-up menu has been created that will lesser the time to move to their target. The actual speed can now be calculated using a, b regression co-efficients along with distance b/w objects (D) and size of objects (S) for the copying task.