School Management System

HCI Project

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Dependent, Independent and Hypothesis

Number 1: -

Independent Variable: Font size in the software system.

Dependent Variable: The readability of the user which create error rate.

Hypothesis: If the font size of the system decreases i.e., below the standards (12), it will cause the error and difficulties for the user to perform its task and to read the information.

Number 2: -

Independent Variable: The color contrast of the text and forms in the software system.

Dependent Variable: The readability of the user to distinguish the text and available information which create error rate.

Hypothesis: If the color contrast of the text and the form becomes the positive contrast, then the user will not be able to read and distinguish the text and the information clearly.

Number 3: -

Independent Variable: Number of menus in the software system.

Dependent Variable: User time to explore menus.

Hypothesis: If the number of menus increases, the user time will increase.

Number 4: -

Independent Variable: Size of the buttons

Dependent Variable: User time and accuracy

Hypothesis: If the size of buttons is decreased, then it will take time for user to click on the buttons and the accuracy to perform the tasks will be poor.

Number 5: -

Independent Variable: The use of metaphors in the software system.

Dependent Variable: The familiarity of the software system.

Hypothesis: If the metaphors used in the software system are minimize in the places where it is needed, then the user will not be able to familiar with the system.