# Functions of menus:

## Navigation to a new menu:

1. Hierarchy: Each time a user makes a selection, a new menu appears, forming a hierarchy. Think of it like opening folders within folders on your computer.
2. Objective-driven: The purpose of each selection is to guide the user toward a goal. It's like following a path to reach a specific destination.
3. Non-destructive errors: Mistakes in selections might lead the user in the wrong direction, but these errors are usually fixable and won't cause permanent damage.

## Execute an action or procedure:

1. User directive: Selections prompt the computer to perform an action or procedure, such as opening a file or copying text.
2. Hierarchical execution: Actions may require navigating through hierarchical menus, or they might be performed along the way.
3. Caution with critical actions: Design prevents accidental selection of irreversible actions to avoid serious consequences.

## Displaying information:

1. Information retrieval: Users select menu options to obtain specific information from a database or while browsing the web.
2. Focus on information: The primary goal is obtaining information, and users may spend time processing it.
3. Undoable errors: Wrong turns may happen, but they usually won't permanently damage or delete information.

## Data or parameter input:

1. Input specification: Each selection provides input data or parameter values for the system.
2. Spread over menus: Input might be on a single menu or across multiple levels.
3. Focus on input: Users are more concerned with providing accurate information than the selection process.
4. Correctable errors: Mistakes in input can be easily corrected by the system if detected.

## Related posts:

1. What do you mean by user interface ? Define user interface design. Why user interface is important ?
2. Describe the importance of good design.
3. What are the benefits of good design ?
4. Write a short note on history of screen design.
5. What do you mean by graphical user interface ?
6. What is popularity of graphics ?
7. Describe the concept of direct manipulation
8. What is graphical system ? Write down its advantages and disadvantages.
9. Describe the characteristics of graphical system.
10. Describe the characteristics of intranet versus the internet.
11. What are the usability problems in graphical system ?
12. Explain web user interface.
13. Discuss the popularity of web interface.
14. What are the characteristics of web user interface ?
15. Describe the principles of user interface.
16. Describe the principles established the foundation for graphical interfaces.

17. Describe the design goals in creating user interface.

18. Why web user interface design difficult ?

19. Explain the five commandments for designing user interface

20. Discuss human computer interaction.

21. How a person interact with computer.

22. What are the factors that make system difficult to use ?

23. What are the psychological responses to poor design ?

24. What are the physical reactions to poor design ?

25. Explain the important human characteristics.

26. Describe the following term with respect to humancharacteristics in design :

27. Describe human consideration in design.

28. What are the characteristics of mandatory use in user's task for design ?

29. Give the characteristics of discretionary user

30. Explain human interaction speed.

31. What are the methods for gaining an understanding ofusers ?

32. Discuss business and requirement analysis.

33. Designing a website, what kinds of interview questions are appropriate for asking users ?

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39. Describe the goals in screen design.

40. What is meant by screen and define it purpose.

41. How we can organize screen elements clearly and meaningfully ?

42. Describe ordering of screen data and content.

43. What do you mean screen navigation and flow ?

44. What do you understand by visually pleasing composition ?

45. Discuss the perceptual principles that can be used toaid screen functional groupings.

46. How to group screen elements using border ?

47. Discuss amount of information.

48. Discuss the following :

49. How to minimize the problems in scrolling ?

50. Discuss about the term 'Distinctiveness'.

51. Discuss the techniques to provide emphasis.

52. How to convey depth of levels or a three-dimensional appearance ?

53. How information is presented simply and meaningfully ?

54. Discuss about typography.

55. Discuss about information entry and modification screens.

56. What are the types of statistical graphics ?

57. Discuss intranet and extranet design guidelines.

58. Write short note on statistical graphics

59. Explain the components of statistical graphics.

60. Discuss technical consideration in interface design for : i. Graphical system ii. Web system iii. Other web consideration

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62. What are the components of window ?

63. Describe the window presentation style.

64. What are the advantages of tiled window and overlapping window ?

65. What are the different types of windows ?

66. Explain different window management schemes.

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72. Discuss the guidelines for selecting proper device-based controls.

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74. Describe the various operable controls.

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78. What are the message box guidelines recommended by Microsoft ?

79. Discuss message box controls.

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82. Explain design process for icons.

83. Describe icon animation and audition.

84. Describe multimedia in detail.

85. What is color ?

86. What are the uses of color ?

87. What are the problems related to color ?

88. How to choose color ?

89. What is software tool ? What are the commonly usedtools in human computer interface ?

90. Explain specification method.

91. Describe interface building tools in detail.

92. What are the features of interface building tools ?

93. Explain interaction devices.

94. Describe keyboard and function keys.
95. Describe pointing devices and types of interaction tasks useful for pointing devices.
96. What are the types of pointing devices ?
97. Explain speech recognitions.
98. Discuss speech digitization and generation.
99. Describe image and video displays.
100. What are the characteristics of video display devices ?
101. Write a short note on drivers.