

## Bruegge 99, Analysis, Chapter 5

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Quiz No. 3 – Answer Key

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1. Consider a file system with a graphical user interface, such as Macintosh's Finder, Microsoft's Windows Explorer, or Linux's KDE. The following objects were identified from a use case describing how to copy a file from a floppy disk to a hard disk: File, Icon, TrashCan, Folder, Disk, Pointer. Specify which are entity objects, which are boundary objects, and which are control objects (7 points)

Entity objects: File, TrashCan, Folder, Disk. These are entity objects because they represent information that is being tracked by the system: they all represent objects for which the system stores information.

Boundary objects: Icon, Pointer. These are boundary objects because they represent the way the user interacts with the system: the user drags the icon with the pointer in order to copy the file, they are both part of the interface.

Control objects: There are no control objects, none of the objects represents a task that is performed by the user and supported by the system.

2. Why are attributes the least stable part of the object model? How does this affect the system? (3 points)

Because they tend to change as users start evaluating the model. If the attribute does not mean adding functionality, there's no problem; but if it does mean adding functionality, there could be some major changes in the system.