Learning About Technology

Chapter 2

Learning New Tools

- How do you learn to use new tools?
 - Read the instruction manual
 - Programming a VCR
 - Cooling my refrigerator
 - □ Be taught
 - Riding a bicycle
 - Driving a car
 - Just figure it out
 - Using an iPod
 - Microwaving food

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Learning About Technology

- People do not have any innate technological abilities
 - Over time, we gain experience using different kinds of devices (e.g., setting the clock on a microwave)
 - Designers try to design products to match what we may already know

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User Interface

- user interface: the aggregate of means (e.g., buttons, lights, blinking cursors, text boxes) by which people (the users) interact with a system
- GUI: graphical user interface (pronounced GOO-ey)

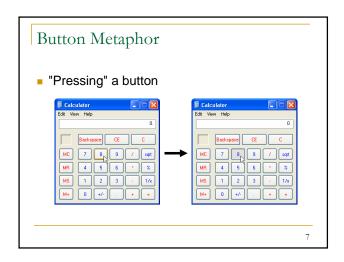


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Metaphor

- metaphor: an object or idea used as an analogy for some other object or idea
 - Designed to be similar to physical entities but can also have their own properties

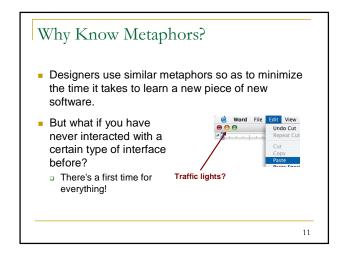
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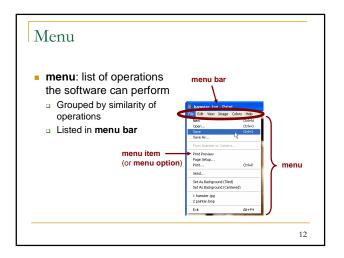


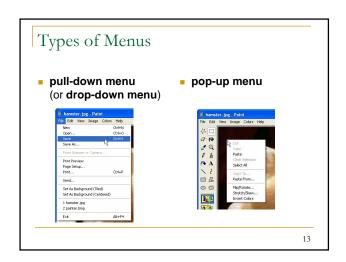


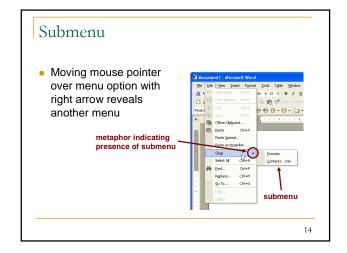


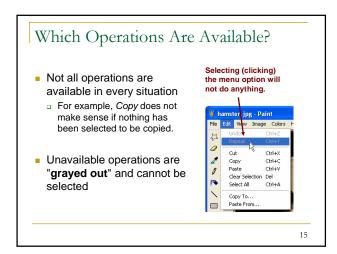


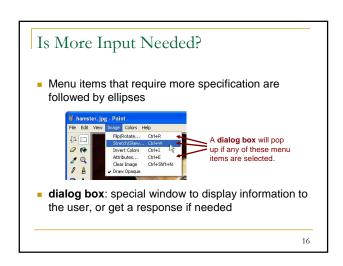


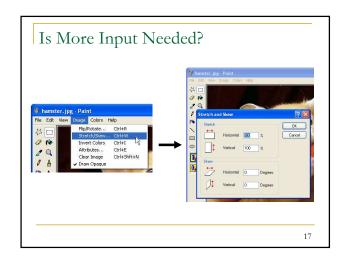


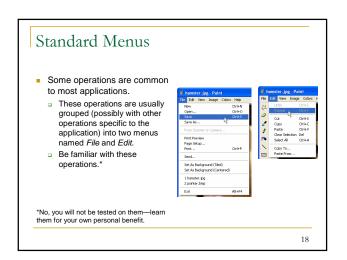












Keyboard Shortcut

- keyboard shortcut: combination of keyboard characters that performs a predefined function
- Shown next to menu items
- mnemonic: underlined character indicating to the user which key to press (possibly in conjunction with the Alt key) to activate a command



Menu with shortcuts highlighted with green and mnemonics highlighted with yellow.

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Using Keyboard Shortcuts

- To use a shortcut, you do NOT hit all keys simultaneously.
 - For example, Ctrl+S means "Press and hold the Ctrl key down and then hit the S key on the keyboard. Release all keys."
- The capitalization of the letter does not matter (i.e., Caps Lock can be on).
 - However, do not hit the Shift key unless it's part of the shortcut, like Ctrl+Shift+S.

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Standard Keyboard Shortcuts

Table 2.1 Standard Shortcuts. These common shortcut letters for standard software operations combine with "Control" [Cirl] for Windows or "Command" [Cirl] for Windows or "Cirl] for Windows or "C

| File Fund | tions | Edit Functi | Edit Functions | |
|-----------|-------|-------------|----------------|--|
| New | N | Cut | X | |
| Open | 0 | Сору | С | |
| Save | S | Paste | V | |
| Print | Р | Select All | А | |
| Quit | Q | Undo | Z | |
| | | Redo | Υ | |
| | | Find | F | |

Useful Keyboard Shortcuts

- F1 opens a window with help information about the program you are using.
- Alt+Tab switches between running programs.
- In web browsers, Tab moves the cursor focus to the next link or form field (e.g., text box, check box) on a web page.
 - Shift+Tab moves the focus backwards.

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List Of Keyboard Shortcuts

- Keyboard shortcuts for Windows
 - http://support.microsoft.com/kb/126449
- Mac OS X keyboard shortcuts
 - □ http://support.apple.com/kb/HT1343

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Mac:

Windows:

ips/kbshortcuts.mspx

http://www.apple.com/pro/tips/keyboard.html

Make Your Own Keyboard Shortcuts!

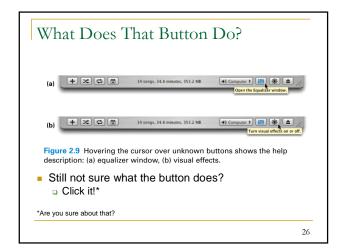
http://www.microsoft.com/windowsxp/using/setup/t

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Learning To Use a New Application

- Familiarize yourself with the application by "clicking around."
- Check menus to see what operations are available.

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Clicking Around Willy Nilly

- Some operations (e.g., deleting data) should not be executed haphazardly.
- However, such operations will usually ask again to see if you are really sure. Think twice if asked again.



So click away!

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"Hidden" Operations

- Some operations are not obvious and cannot be discovered by clicking around.
 - Examples:
 - Shift-Select: Allows you to select adjacent objects
 - Ctrl-Select: Allows you to select non-adjacent objects
- Many obscure features, tricks, and shortcuts can be learned by watching others.

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Getting More Help: Online Forums

- forum (or message board): discussion site where users can read and post messages
- Some forums are dedicated to users of a single application.
- Forums always have a search box. Search before you post.
 - Someone might have already posted your same question.
 Hopefully, someone has also already posted an answer!

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Additional Resources

- Computer Hope.com
 - http://www.computerhope.com/
 - $\hfill\Box$ Check out the Computer Hope forum

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