# Chapter

# Designers must decide, early in the design process,

whether to create long pages that require extensive scrolling or shorter pages that will require users to move frequently from page to page (an activity referred to as paging). This decision will be based on considerations of the primary users and the type of tasks being performed. For example, older users tend to scroll more slowly than younger users; therefore, long scrolling pages may slow them down considerably. As another example, some tasks that require users to remember where information is located on a page may benefit from paging, while many reading tasks benefit from scrolling.

Generally, designers should ensure that users can move from page-topage as efficiently as possible. If designers are unable to decide between paging and scrolling, it is usually better to provide several shorter pages rather than one or two longer pages. The findings of usability testing should help confirm or negate that decision.

When scrolling is used, a website should be designed to allow the fastest possible scrolling. Users only should have to scroll through a few screenfuls, and not lengthy pages. Designers should never require users to scroll horizontally.

# 8:1 Eliminate Horizontal Scrolling

# Relative Importance:

**Guideline:** Use an appropriate page layout to eliminate the need for users to scroll horizontally.



**Comments:** Horizontal scrolling is a slow and tedious way to view an entire screen. Common page layouts including fluid and left-justified may require some users to scroll horizontally if their monitor resolution or size is smaller than that used by designers.

**Sources:** Bernard and Larsen, 2001; Lynch and Horton, 2002; Nielsen and Tahir, 2002; Spyridakis, 2000; Williams, 2000.

### **Example:**





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68

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Intelligent watchine's roadmap. A few key phrases: "good example of a roadmap," "DOE For white scondes had mithotough needs document", "DOE For white scondes had mithotough needs for robotics" "we are a leader in defining the future of robotics and intelligent machines for the country" "DOE must push the leading edge in order to meet its mission requirements."

Scrolling

and Paging

## 8:5 Facilitate Rapid Scrolling

**Guideline:** Facilitate fast scrolling by highlighting major items.

**Comments:** Web pages will move quickly or slowly depending on how users elect to scroll. Some users click on the arrows at the ends of the scroll bar, which can be slow but does allow most information to be read during the scrolling process. Other users drag the scroll box, which tends to be much faster. When the scroll box is dragged, the information may move too fast on the screen for users to read prose text, but they can read major headings that are well-designed and clearly placed.

Relative Importance:

**Strength of Evidence:** 

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#### **Sources:** Bailey, Koyani and Nall, 2000.

Example:

70

Scrolling and Paging

Bold, large text and an accompanying graphic are effectively used to draw the user's attention during fast scrolling. /

