

CHAPTER 8

Interactive Features

This chapter describes the PDF features that allow a user to interact with a document on the screen, using the mouse and keyboard (with the exception of multimedia features, which are described in Chapter 9, “Multimedia Features”):

- *Preference settings* to control the way the document is presented on the screen (Section 8.1, “Viewer Preferences”)
- *Navigation* facilities for moving through the document in a variety of ways (Sections 8.2, “Document-Level Navigation,” and 8.3, “Page-Level Navigation”)
- *Annotations* for adding text notes, sounds, movies, and other ancillary information to the document (Section 8.4, “Annotations”)
- *Actions* that can be triggered by specified events (Section 8.5, “Actions”)
- *Interactive forms* for gathering information from the user (Section 8.6, “Interactive Forms”)
- *Digital signatures* that authenticate the identity of a user and the validity of the document’s contents (Section 8.7, “Digital Signatures”)
- *Measurement properties* that enable the display of real-world units corresponding to objects on a page (Section 8.8, “Measurement Properties”)

8.1 Viewer Preferences

The **ViewerPreferences** entry in a document’s catalog (see Section 3.6.1, “Document Catalog”) designates a *viewer preferences dictionary* (PDF 1.2) controlling the way the document is to be presented on the screen or in print. If no such dictionary is specified, viewing and printing applications should behave in accordance with their own current user preference settings. Table 8.1 shows the contents of the viewer preferences dictionary.