

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.