```
public void sendToChain(String mesg) {
    boolean found = false;
    int i = 0;
    while ((! found) && (i < files.length)) {
        XFile xfile = new XFile(files[i]);
        found = xfile.matchRoot(mesg);
        if (! found) i++;
    }
    if (found) {
        setSelectedIndex(i);
    } else {
        if (nextChain != null)
            nextChain.sendToChain(mesg);
    }
}
```

The Xfile class we introduce above is a simple child of the File class that contains a *matchRoot* method to compare a string to the root name of a file. Finally, we link these classes together in the constructor to form the Chain.

```
//set up the chain of responsibility
    sender.addChain(imager);
    imager.addChain(colorImage);
    colorImage.addChain(fileList);
    fileList.addChain(restList);
```

You can see the relationship between these classes in the UML diagram in Figure 16.5.

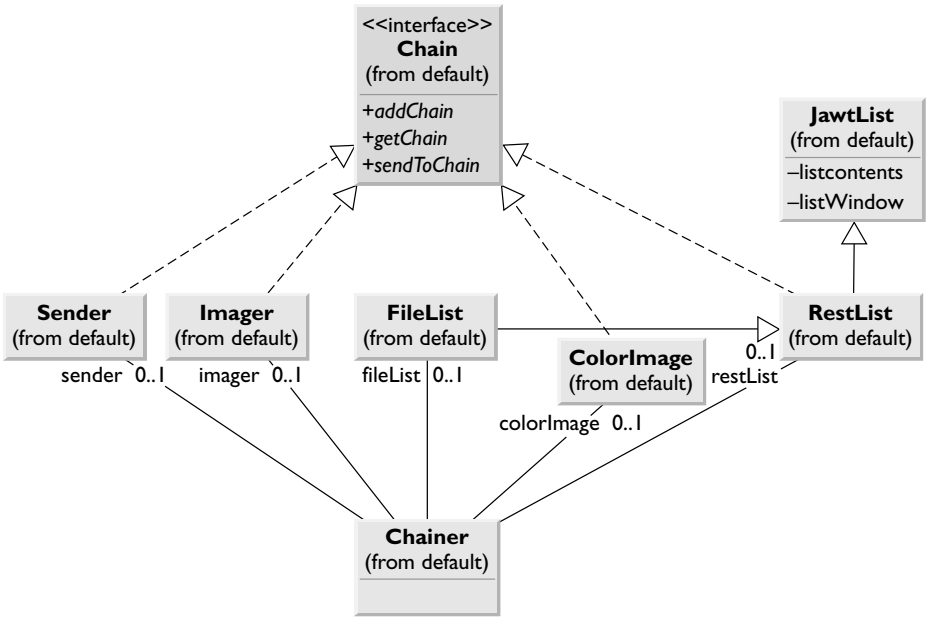

Figure 16.5 The class structure of the Chain of Responsibility program.