```
        leftList        =  new JClassAwtList(15);
        JScrollPane lsp =  new JScrollPane();
        pLeft.add("Center", lsp);
        lsp.getViewport().add(leftList);
```

This class-based adapter is much the same, except that some of the methods now refer to the enclosing class instead of an encapsulated class.

```
public class JclassAwtList extends JList
    implements ListSelectionListener, awtList {
    private JListData listContents;

    public JclassAwtList (int rows) {
        listContents = new JListData();
        setModel(listContents);
        setPrototypeCellValue("Abcdefg Hijklmnop");
    }
```

This is illustrated in Figure 9.3.

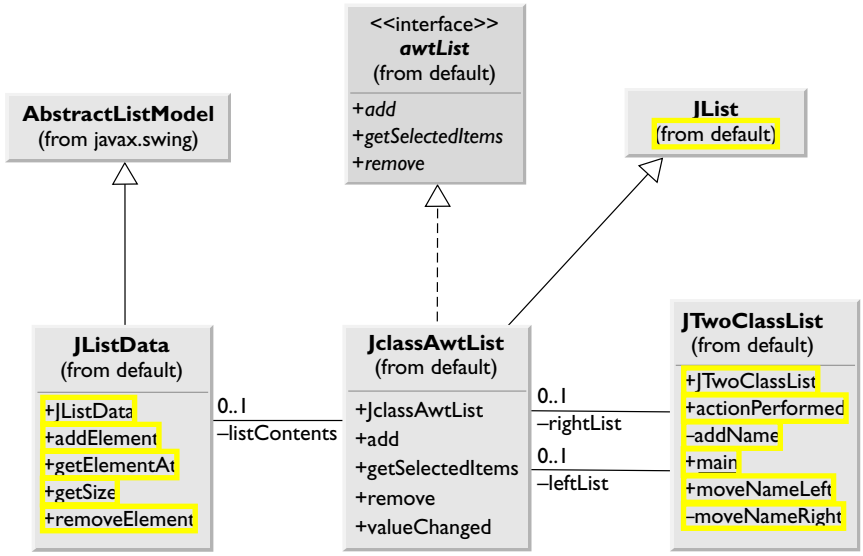

Figure 9.3 A class adapter approach to the List adapter.

Some differences between the List and the adapted JList classes are not so easy to adapt, however. The List class constructor allows you to specify the length of the list in lines. There is no way to specify this directly in the JList class. You can compute the preferred size of the enclosing JScrollPane class based on the font size of the JList, but depending on the layout manager, this might not be honored exactly.