EXHIBIT 3

Exhibit 3

/CoreJavaBook/ch2/ImageViewer/ImageViewer.java

```
1    /*
2     * Gary Cornell and Cay S. Horstmann, Core Java (Book/CD-ROM)
3     * Published By SunSoft Press/Prentice-Hall
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19    * THIS SOFTWARE OR ITS DERIVATIVES.
20    */
21
22   /**
23    * @version 1.00 07 Feb 1996
24    * @author Cay Horstmann
25    */
26
27   import java.awt.*;
28   import java.awt.image.*;
29   import java.net.*;
30   import java.io.*;
31
32   public class ImageViewer extends Frame
33   {  public ImageViewer()
34      {  setTitle("ImageViewer");
35         MenuBar mbar = new MenuBar();
36         Menu m = new Menu("File");
37         m.add(new MenuItem("Open"));
38         m.add(new MenuItem("Exit"));
39         mbar.add(m);
40         setMenuBar(mbar);
41      }
42
43      public boolean handleEvent(Event evt)
```

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```
44      {  if (evt.id == Event.WINDOW_DESTROY) System.exit(0);
45         return super.handleEvent(evt);
46      }
47
48      public boolean action(Event evt, Object arg)
49      {  if (arg.equals("Open"))
50         {  FileDialog d = new FileDialog(this,
51               "Open image file", FileDialog.LOAD);
52            d.setFile("*.gif");
53            d.show();
54            String f = d.getFile();
55            if (f != null)
56               image = Toolkit.getDefaultToolkit().getImage(f);
57            repaint();
58         }
59         else if(arg.equals("Exit")) System.exit(0);
60         else return false;
61         return true;
62      }
63
64      public void paint(Graphics g)
65      {  if (image != null)
66            g.drawImage(image, 0, 0, this);
67      }
68
69      public static void main(String args[])
70      {  Frame f = new ImageViewer();
71         f.resize(300, 200);
72         f.show();
73      }
74
75      private Image image = null;
76  }
```

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