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import java.awt.AWTException;
import java.awt.Frame;
import java.awt.Image;
import java.awt.MenuItem;
import java.awt.PopupMenu;
import java.awt.SystemTray;
import java.awt.Toolkit;
import java.awt.TrayIcon;
import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;
import java.awt.event.MouseEvent;
import java.awt.event.MouseListener;
public class Icon {
    private static TrayIcon trayIcon;
    private SystemTray tray;
    private Image image;
    private MouseListener mouseListener;
    private String info = null;
    private String titelhover = "Titel";
    private String latestinfo = "";
    private PopupMenu popup;
    private MenuItem openItem;
    private String logoString = "";
    Frame frame= new HauptFenster();
    //Konstruktor
    public Icon() {
        if (SystemTray.isSupported()) {
            tray = SystemTray.getSystemTray();
            image = Toolkit.getDefaultToolkit().getImage(Icon.class.getResource(
logoString));
            popup = new PopupMenu();
            popup.setName("Menue");
            popup.setFont(schrift);
            openItem = new MenuItem("TitelAnzeige öffnen");
            popup.add(openItem);
            trayIcon = new TrayIcon(image, titelhover, popup);
            ActionListener actionListener = new ActionListener() {
                public void actionPerformed(ActionEvent e) {
                    if (frame.getState() == 1) {
                        frame.setState(Frame.NORMAL);
                        frame.setVisible(true);
                    }else if (frame..getState() == 0) {
                        frame.setState(Frame.ICONIFIED);
                        frame.setVisible(false);
                    }
                }
            };
            trayIcon.setImageAutoSize(true);
        }
    }
}

```

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trayIcon.addActionListener(actionListener);
trayIcon.addMouseListener(mouseListener);
try{
    tray.add(trayIcon);
} catch (AWTException e) {
    System.err.println("TrayIcon kann nicht hinzugefuegt werden... ");
}
}else{
// System Tray is not supported
System.err.println(
"Leider unterstützt Ihre Java-Version das Systemtray nicht, bitte updaten sie d
);
}

/***
 * Getters and Setters      */
public static TrayIcon getTrayIcon() {
    return trayIcon;
}
public void setTip(String tip) {
    trayIcon.setToolTipText(tip);
}
public void setInfoString(String info){
    trayIcon.displayMessage("Information",info,TrayIcon.MessageType.INFO);
}
public static void message(String msg){
    trayIcon.displayMessage("Information",msg,TrayIcon.MessageType.INFO);
}
}
```