

## JFace - Context Menu – Three Traces

### Use Full Trace = Use Concept Trace Slicing (Generated the Same Results)

Supporting Applications : [Sample Tree Viewer, Console, ANT]

```
import org.eclipse.swt.widgets.Menu;
import org.eclipse.jface.action.Separator;
import org.eclipse.jface.action.IMenuListener;
import org.eclipse.jface.viewers.Viewer;
import org.eclipse.jface.action.MenuManager;
import org.eclipse.swt.widgets.Control;
import org.eclipse.jface.resource.ImageDescriptor;
import org.eclipse.jface.action.Action;

public class AppMenuListener
implements IMenuListener {

    public void menuAboutToShow(menuManager) {
        Separator separator = new Separator(String)(); // REPEATED!
        menuManager.addAction (&& separator); // REPEATED!
    }
}

public class AppAction
extends Action {
}

public class SomeClass {

    public void someMethod() {
        Control control = Viewer.getControl(); // REPEATED!
        MenuManager menuManager = new MenuManager (String)()(String,String)();
        menuManager.setRemoveAllWhenShown(boolean);
        AppMenuListener appMenuListener = new AppMenuListener();
        menuManager.addMenuListener(appMenuListener);
        Menu menu = menuManager.createContextMenu(control);
        AppAction appAction = new AppAction();
        appAction.setText(String); // MAY REPEAT!
        appAction.setImageDescriptor(ImageDescriptor); // MAY REPEAT!
        appAction.setToolTipText(String); // MAY REPEAT!
    }
}
```

#### Description of False Negatives:

The following instruction is missing (One false negatives) since it resides in org.eclipse.ui, not in JFace:  
`control.setMenu(menu);`