

## JFace – Toolbar Button – Two Traces Use Concept Trace Slicing

Supporting Applications : [AJDT, JDT]

```
import org.eclipse.jface.action.Action;
import org.eclipse.jface.window.IShellProvider;
import org.eclipse.jface.resource.ImageDescriptor;
import org.eclipse.jface.action.IContributionManager;
import org.eclipse.swt.widgets.Shell;

public class AppAction
extends Action {

    public void run() {
    }

    public AppAction() {
        appAction.setText(String); // REPEATED!
        appAction.setImageDescriptor(); // REPEATED!
        appAction.setDisabledImageDescriptor(imageDescriptor); // MAY REPEAT!
    }
}

public class SomeClass {

    public void someMethod() {
        AppAction appAction = new AppAction();
        IContributionManager.add(appAction); // REPEATED!
        appAction.setText(String); // REPEATED!
        appAction.setToolTipText(String); // MAY REPEAT!
        ImageDescriptor imageDescriptor = ImageDescriptor.createFromURL(); // MAY REPEAT!
        appAction.setImageDescriptor(imageDescriptor); // REPEATED!
        Shell shell = IShellProvider.getShell(); // MAY REPEAT!
    }
}
```

### Description of False Negatives:

The following instructions are missing (3 false negatives) since they reside in org.eclipse.ui, not in JFace:  
`IToolBarManager manager = getViewSite().getActionBars().getToolBarManager();`