

# Table Viewer Template

```
import org.eclipse.jface.viewers.LabelProvider;
import org.eclipse.jface.viewers.IBaseLabelProvider;
import org.eclipse.ui.PlatformUI;
import org.eclipse.jface.viewers.TableViewer;
import org.eclipse.jface.viewers.IStructuredContentProvider;
import org.eclipse.jface.viewers.ViewerSorter;
import org.eclipse.ui.IViewSite;
import org.eclipse.jface.resource.ImageDescriptor;
import java.text.Collator;
import org.eclipse.ui.IWorkbenchPartSite;
import org.eclipse.swt.widgets.Composite;
import org.eclipse.ui.IViewPart;
import org.eclipse.swt.widgets.Control;
import org.eclipse.ui.IWorkbenchPart;
import org.eclipse.jface.action.Action;
import org.eclipse.swt.widgets.Table;
import org.eclipse.jface.action.IToolBarManager;
import org.eclipse.ui.IActionBars;
import org.eclipse.ui.IWorkbench;

public class AppStructuredContentProvider
implements IStructuredContentProvider { /* FRL_01 */

    public void inputChanged(Viewer v, Object oldInput, Object newInput) { /* FRL_02 */
    }

    public Object[] getElements(Object parent) { /* FRL_03 */
    }

    public void dispose() { /* FRL_04 */
    }
}

public class AppWorkbenchPart
extends ViewPart { /* FRL_05 */

    public void setFocus() { /* FRL_06 */
        Control control = tableViewer.getControl(); /* FRL_07 */
        boolean app_boolean = control.setFocus(); /* FRL_08 */
    }

    public void createPartControl(Composite parent) { /* FRL_09 */
        IWorkbench iWorkbench = PlatformUI.getWorkbench(); // MAY REPEAT! /* FRL_10 */
        LabelProvider labelProvider = new LabelProvider(); /* FRL_13 */
        TableViewer tableViewer = new TableViewer(Composite,INT) |(Table) |(Composite); /* FRL_14 */
        tableViewer.setLabelProvider(labelProvider); /* FRL_15 */
        AppStructuredContentProvider appStructuredContentProvider = new AppStructuredContentProvider(); /* FRL_18 */
        tableViewer.setContentProvider(appStructuredContentProvider); /* FRL_19 */
        tableViewer.setInput(Object); /* FRL_20 */
        AppAction appAction = new AppAction(); /* FRL_24 */

        /* UNKNOWN ORDER FOR THE FOLLOWING INSTRUCTIONS */

        IActionBars iactionBars = iviewSite.getActionBars(); /* FRL_26 */
        IToolBarManager itoolBarManager = iactionBars.getToolBarManager(); /* FRL_27 */
        itoolBarManager.add(appAction); // REPEATED! /* FRL_29 */
        IViewSite iviewSite = IViewPart.getViewSite(); // MAY REPEAT! /* FRL_30 */
    }
}

public class AppAction
extends Action { /* FRL_31 */
}

public class SomeClass {

    public void someMethod() {
        appAction.setToolTipText(String); /* FRL_33 */
        appAction.setImageDescriptor(ImageDescriptor); /* FRL_34 */
        appAction.setText(String); /* FRL_35 */
        ViewerSorter viewerSorter = new ViewerSorter(Collator) | | (); /* FRL_36 */
        tableViewer.setSorter(viewerSorter); /* FRL_37 */
    }
}
```