

JFace – Content Assist – Two Traces Use Full Trace (No Slicing)

Supporting Applications : [Example Java Editor, JSP Editor]

```
import org.eclipse.jface.text.contentassist.IContentAssistant;
import org.eclipse.jface.text.DefaultPositionUpdater;
import org.eclipse.jface.action.IAction;
import org.eclipse.swt.graphics.Image;
import org.eclipse.jface.text.source.IAnnotationHover;
import org.eclipse.jface.text.contentassist.IContentAssistProcessor;
import org.eclipse.jface.viewers.ISelectionChangedListener;
import org.eclipse.jface.text.IDocumentExtension3;
import org.eclipse.swt.graphics.Color;
import org.eclipse.jface.viewers.ISelectionProvider;
import org.eclipse.jface.text.ITextHover;
import org.eclipse.jface.text.DocumentCommand;
import org.eclipse.jface.action.IMenuManager;
import org.eclipse.jface.text.contentassist.IContextInformation;
import org.eclipse.jface.text.TextAttribute;
import org.eclipse.jface.text.contentassist.CompletionProposal;
import org.eclipse.jface.text.contentassist.ContentAssistant;
import org.eclipse.jface.text.IDocument;
import org.eclipse.jface.action.Separator;
import org.eclipse.jface.action.Action;
import org.eclipse.jface.text.ITextView;
import org.eclipse.jface.text.IAutoEditStrategy;
import org.eclipse.jface.text.source.ISourceViewer;
import org.eclipse.jface.text.source.SourceViewerConfiguration;
import org.eclipse.jface.text.contentassist.ICompletionProposal;
import org.eclipse.jface.text.IDocumentPartitioner;

public class AppAutoEditStrategy
implements IAutoEditStrategy {

    public void customizeDocumentCommand(IDocument, DocumentCommand) {
    }
}

public class AppContentAssistProcessor
implements IContentAssistProcessor {

    public ICompletionProposal[] computeCompletionProposals(ITextView, int) {
        CompletionProposal completionProposal = new CompletionProposal(String, int, int, int) | |
        (String, int, int, int, Image, String, IContextInformation, String);
    }

    public char[] getCompletionProposalAutoActivationCharacters() {
    }

    public String getErrorMessage() {
    }

    public char[] getContextInformationAutoActivationCharacters() {
    }
}

public class AppSourceViewerConfiguration
extends SourceViewerConfiguration {

    public void getTextHover((ISourceViewer, String): (ITextHover) | | (ISourceViewer, String, int): (ITextHover)) {
        AppTextHover appTextHover = new AppTextHover();
    }

    public String getConfiguredDocumentPartitioning(ISourceViewer) {
    }

    public int getTabWidth(ISourceViewer) {
    }

    public IAnnotationHover getAnnotationHover(ISourceViewer) {
        AppAnnotationHover appAnnotationHover = new AppAnnotationHover();
    }

    public IContentAssistant getContentAssistant(ISourceViewer) {
        AppContentAssistProcessor appContentAssistProcessor = new AppContentAssistProcessor();
        String string = appSourceViewerConfiguration.getConfiguredDocumentPartitioning(ISourceViewer);
        ContentAssistant contentAssistant = new ContentAssistant();
        contentAssistant.setDocumentPartitioning(string);
        contentAssistant.setContentAssistProcessor(appContentAssistProcessor); // MAY REPEAT!
        contentAssistant.enableAutoActivation(boolean);
        contentAssistant.setAutoActivationDelay(int);
        contentAssistant.setProposalPopupOrientation(int);
        contentAssistant.setContextInformationPopupOrientation(int);
    }

    public String[] getIndentPrefixes(ISourceViewer, String) {
    }

    public IAutoEditStrategy[] getAutoEditStrategies(ISourceViewer, String) {
    }
}

public class AppAction
extends Action {

    public AppAction() {
        appAction.setEnabled(boolean);
    }
}

public class AppTextHover
implements ITextHover {
}

public class AppAnnotationHover
implements IAnnotationHover {
}

public class AppSelectionChangedListener
```

```

implements ISelectionChangedListener {
}

public class SomeClass {

    public void someMethod() {
        IDocumentPartitioner.connect(IDocument);
        TextAttribute textAttribute = new TextAttribute(Color)[]{Color,Color,int};
        AppSelectionChangedListener appSelectionChangedListener = new AppSelectionChangedListener();
        ISelectionProvider.addSelectionChangedListener(appSelectionChangedListener); // MAY REPEAT!
        Separator separator = new Separator(String)[]{}; // REPEATED!
        AppSourceViewerConfiguration appSourceViewerConfiguration = new AppSourceViewerConfiguration();
        IMenuManager imenuManager = IMenuManager.findMenuUsingPath(String);
        imenuManager.add(separator); // REPEATED!
        DefaultPositionUpdater defaultPositionUpdater = new DefaultPositionUpdater(String);
        int app_int1 = IDocument.getLineOffset(int);
        IAction.setActionDefinitionId(String); // REPEATED!
        AppAction appAction = new AppAction();
        IDocumentExtension3.setDocumentPartitioner(String, IDocumentPartitioner);
    }
}

```

Description of False Negatives:

We have one false negative because of not calling the following instruction since it is in org.eclipse.ui, not in JFace:
`TextEditor.setSourceViewerConfiguration(appSourceViewerConfiguration);`