

# JFace

## -- Composants

### -- ListViewer

#### Instanciation

```
lvTest = new ListViewer(compositeParent, SWT.BORDER | SWT.V_SCROLL);  
List listTest = lvTest.getList();
```

#### Affectation du contenu et définition du ContentProvider

```
lvCategories.setContentProvider(new ArrayContentProvider());  
lvCategories.setInput(getModeles());
```

```
package net.ex.categorie.main;  
  
import java.util.ArrayList;  
  
public class MyApp2 {  
  
    protected Shell shell;  
    private Table tableProduits;  
    private java.util.List<Categorie> categories;  
    private ListViewer lvCategories;  
    private Categorie categorieActive;  
    private TableColumnLayout tLayout;  
  
    /**  
     * Launch the application.  
     *  
     * @param args  
     */  
    public static void main(String[] args) {  
        try {  
            MyApp2 window = new MyApp2();  
            window.open();  
        } catch (Exception e) {  
            e.printStackTrace();  
        }  
    }  
  
    /**
```

```
* Open the window.
*/
public void open() {
    Display display = Display.getDefault();
    createContents();
    shell.open();
    shell.layout();
    while (!shell.isDisposed()) {
        if (!display.readAndDispatch()) {
            display.sleep();
        }
    }
}

/**
 * Create contents of the window.
 */
protected void createContents() {
    shell = new Shell();
    shell.setSize(523, 406);
    shell.setText("SWT Application");
    shell.setLayout(new FillLayout(SWT.HORIZONTAL));

    SashForm sashMain = new SashForm(shell, SWT.NONE);

    Composite compoLeft = new Composite(sashMain, SWT.NONE);
    compoLeft.setLayout(new FillLayout(SWT.HORIZONTAL));

    lvCategories = new ListViewer(compoLeft, SWT.BORDER | SWT.V_SCROLL);
    List listCategories = lvCategories.getList();
    listCategories.addSelectionListener(new SelectionAdapter() {
        @Override
        public void widgetSelected(SelectionEvent e) {
            StructuredSelection sel = (StructuredSelection)
lvCategories.getSelection();
            categorieActive = (Categorie) sel.getFirstElement();
        }
    });

    Composite compoRight = new Composite(sashMain, SWT.NONE);
    compoRight.setLayout(new FillLayout(SWT.HORIZONTAL));

    SashForm sashForm = new SashForm(compoRight, SWT.VERTICAL);

    Composite composite = new Composite(sashForm, SWT.NONE);
    tLayout = new TableColumnLayout();
    composite.setLayout(tLayout);

    TableViewer tvProduits = new TableViewer(composite, SWT.BORDER |
SWT.FULL_SELECTION);
    tableProduits = tvProduits.getTable();
    tableProduits.setHeaderVisible(true);
    tableProduits.setLinesVisible(true);

    createColumn(tableProduits, "Nom", 10);
    createColumn(tableProduits, "Couleur", 5);
}
```

```
        Composite composite_1 = new Composite(sashForm, SWT.NONE);
        sashForm.setWeights(new int[] { 1, 1 });
        sashMain.setWeights(new int[] { 2, 5 });

        loadCategories();
    }

    private void createColumn(Table table, String caption, int weight) {
        TableColumn col = new TableColumn(table, SWT.NONE);
        col.setText(caption);
        tLayout.setColumnData(col, new ColumnWeightData(10));
    }

    public void loadCategories() {
        lvCategories.setContentProvider(new ArrayContentProvider());
        lvCategories.setInput(getCategories());
    }

    public java.util.List<Categorie> getCategories() {
        categories = new ArrayList<>();
        categories.add(new Categorie("catégorie 1", new String[] { "elem1", "elem2"
    }));
        categories.add(new Categorie("catégorie 2", new String[] { "elem3" }));
        categories.add(new Categorie("catégorie 3", new String[] { "elem4" }));
        return categories;
    }
}
```

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