Eclipse RCP Part IX

Automotive Financial Services Insurance Life Science & Healthcare Public Sector
Telecommunications & Media Travel & Logistics Utilities Automotive Financial
Services Insurance Life Science & Healthcare Public Sector Telecommunications
& Media Travel & Logistics Utilities Automotive Financial Services Insurance
Life Science & Healthcare Public Sector Telecommunications & Media Travel
& Logistics Utilities Automotive Financial Services Insurance Life Science
Healthcare Public Sector Telecommunications & Media Travel & Logistics
Utilities Automotive Financial Services Life Science & Healthcare Public
Sector Telecommunications & Media Travel & Logistics Utilities Automotive
Financial Services Insurance Life Science & Healthcare Public Sector
Telecommunications & Media Travel & Logistics Utilities Automotive
Financial Services Insurance Life Science & Healthcare Telecommunications
& Media Travel & Logistics Utilities Automotive Financial Services Insurance
Life Science & Healthcare Public Sector Telecommunications & Media Travel &
Logistics Utilities Automotive Financial Services Insurance Life Science &
Healthcare Public Sector Telecommunications & Media Travel & Logistics Utilities
Automotive Financial Services Insurance Life Science & Healthcare Public Sector
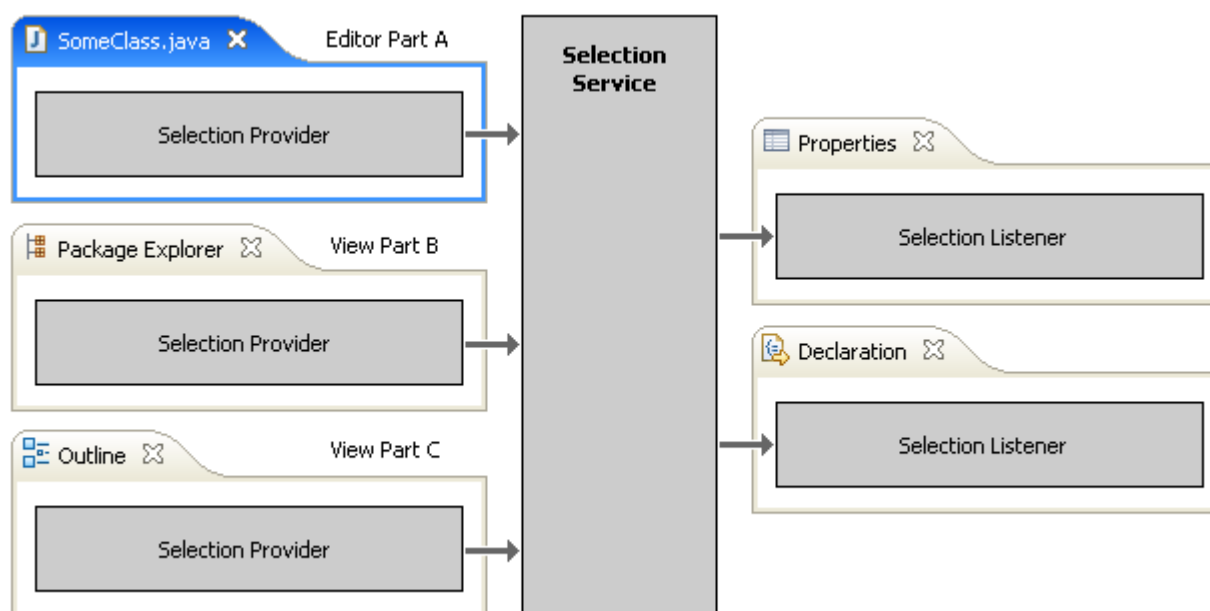
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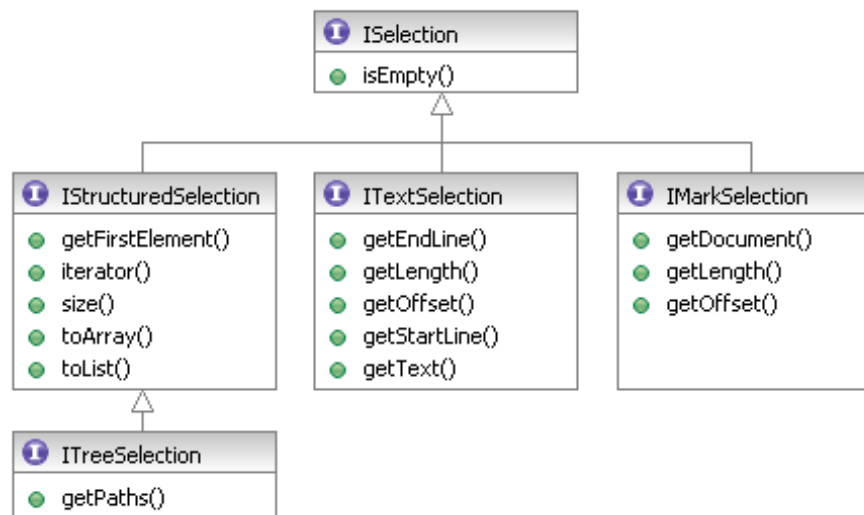
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- Selection Provider

- WorkbenchWindow provides a concept of "current selection"

- Workbench parts can declare an application-domain-specific currently selected object

- There can be only one "current selection" at the same time in a WorkbenchWindow

- Other parts can react upon selection events using SelectionService

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Selection Provider

- All JFace viewers implement ISelectionProvider

- You can declare your viewer in a workbench to notify the workbench

- When the selection changes you will be notified with an ISelection.
- ISelection is content independent and has just one method: isEmpty()
- Other interfaces extend ISelection for specific types of content:
  - IStructuredSelection - a list of elements (most common)
  - ITreeSelection - a list tree elements
  - ITextSelection - text selection in a text editor
- You need to find out what type of selection you have using the instanceof operator.

- to get the SelectionService:
  getSite().getWorkbenchWindow().getSelectionService()

Methods

- ISelection getSelection()
- ISelection getSelection(String partId)

- void addSelectionListener(ISelectionListener listener)
- void removeSelectionListener(ISelectionListener listener)

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```
public void selectionChanged(IAction action, ISelection selection) {
    person = null;
    if (selection instanceof IStructuredSelection) {
        IStructuredSelection sSelection =
            (IStructuredSelection) selection;
        Object first = sSelection.getFirstElement();
        if (first instanceof Person) {
            person = (Person) first;
        }
    }
    // ...
}
```

- Create a new plugin with a view displaying the current selection with a label
- Add a selection listener to update your label when the selection changes
- Launch the plugin in the Eclipse IDE, import a project, select different items in different views and watch your label change
- Add selection support to the table viewer from Part VI (add the viewer as a selection provider)

Vielen Dank für Ihre Aufmerksamkeit

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