

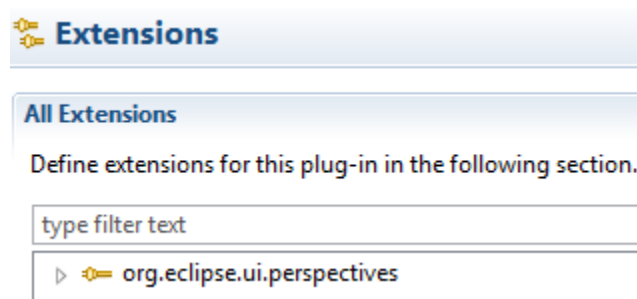
Create Perspective and View and add Actions on view

Assume that you already know how to create a plug-in project. In this tutorial we will learn how to create a perspective and view, how to add view on perspective and how to add some action on your perspective.

Perspective:

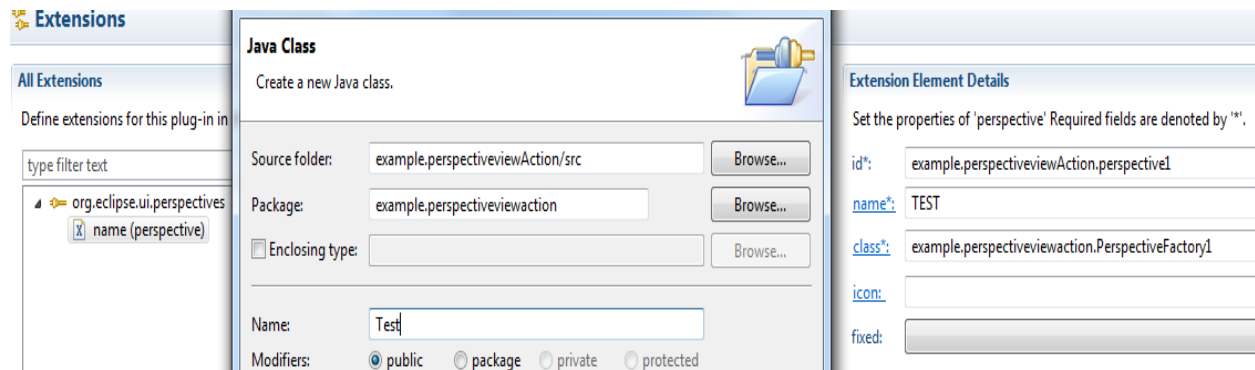
Step 1: Add extension.

Open MANIFEST.MF file of your plug-in project go to the extensions tab and add “org.eclipse.ui.perspective” extension in all extensions section.

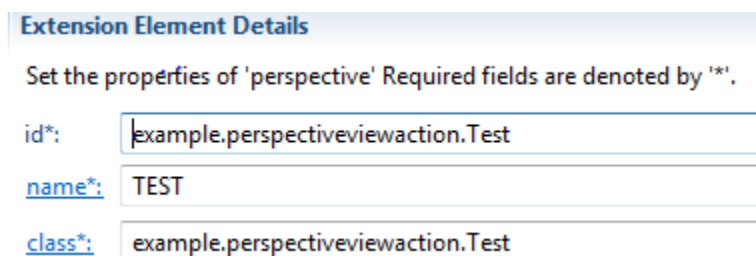


Step 2: perspective name, class and id.

Select your blank perspective “name (perspective)” provide a name of perspective and click on “class*” in extension element details section. Provide a class name → finish.



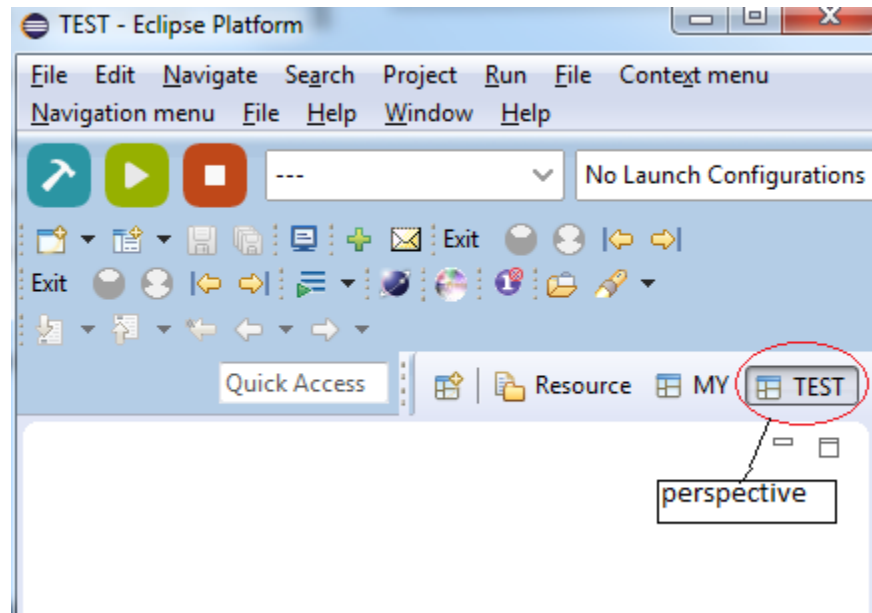
Go back to Extensions tab of MANIFEST.MF file give id same as a class name.



Step 3: output.

Run your plug-in as an eclipse application → Window → perspective → open perspective → others

Search your own perspective “TEST (name of perspective)” → ok

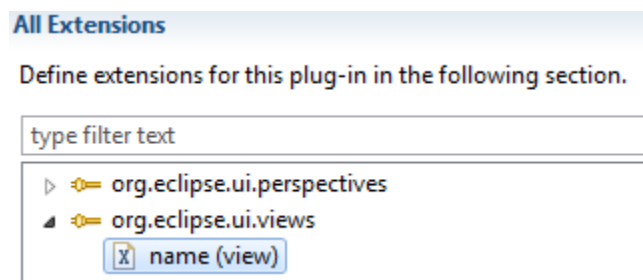


Note: perspective implements IPerspectiveFactory class

View:

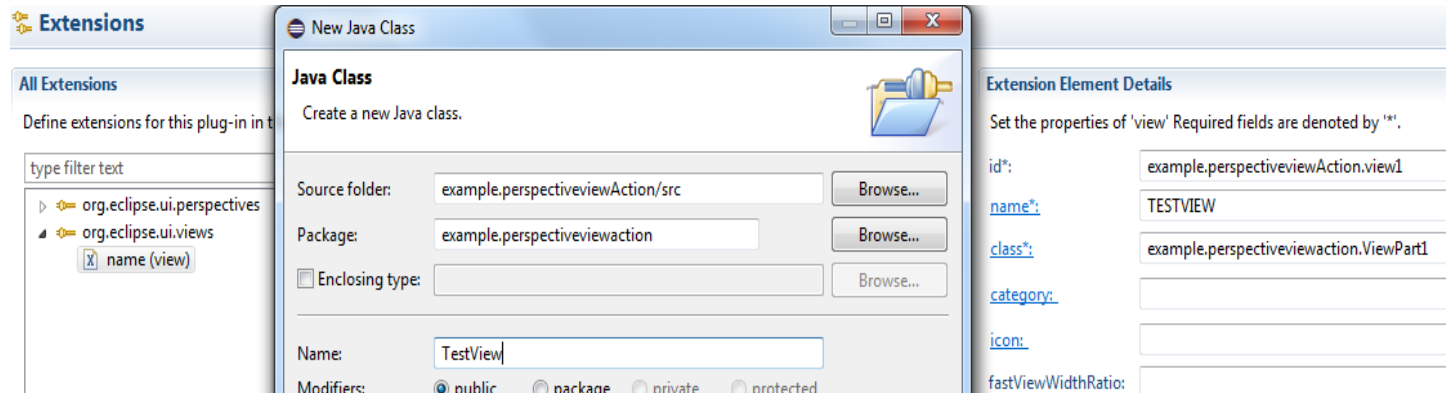
Step 1: Add extension.

Open MANIFEST.MF file of your plug-in project go to the extensions tab and add “org.eclipse.ui.views” extension in all extensions section. Right click on the view extension “org.eclipse.ui.views” → new → view.

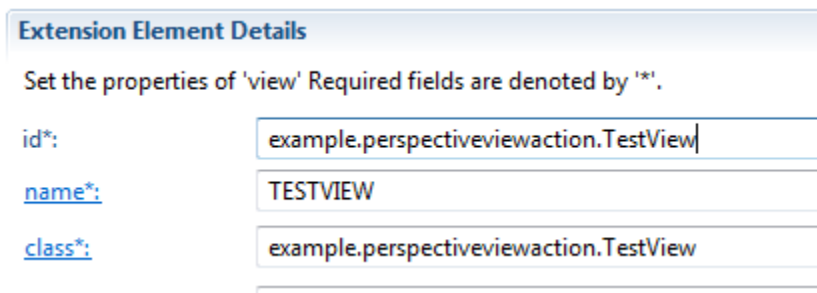


Step 2: view name, class and id.

Select your blank view “name (view)” provide a name of view and click on “class*.” in extension element details section. Provide a class name → finish.



Go back to Extensions tab of MANIFEST.MF file give id same as a class name.



Step 3: output.

Run you're plug-in as an eclipse application → Window → show view → others

Search your own view “TESTVIEW (name of view)” → ok



Note: view extends ViewPart class.

Add view on Perspective:

Step 1:

Open your perspective class "Test.java".

Set your editor area visible true.

Get editor area and save in a variable.

Create a IFolder Layout.

Add view.

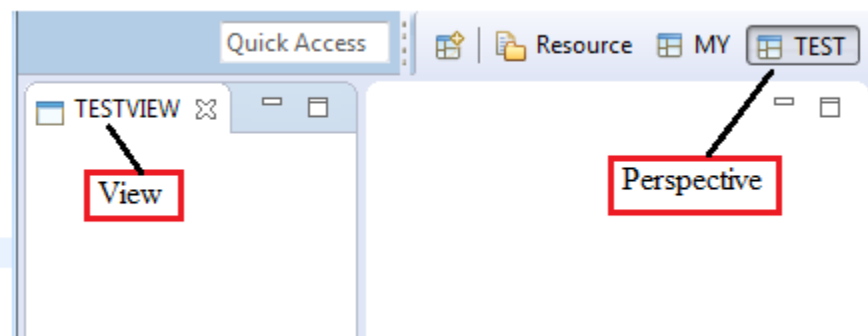
```
@Override
public void createInitialLayout(IPageLayout layout) {
    // TODO Auto-generated method stub
    set editor area visible true
    layout.setEditorAreaVisible(true);
    //get editor area
    String editorArea = layout.getEditorArea();
    //create IFolderLayout
    IFolderLayout createFolder = layout.createFolder("left", IPageLayout.LEFT, (float) 0.26, editorArea);
    Add a view on folder
    createFolder.addView("example.perspectiveviewaction.TestView");
}
```

Diagram annotations for the code:

- `"left"`: the id for the new folder
- `IPageLayout.LEFT`: occupied space of reference part
- `(float) 0.26`: the position relative to the reference part
- `editorArea`: the id of the reference part
- `"example.perspectiveviewaction.TestView"`: View Id

Step 2: output.

Run your plug-in as an eclipse application open your perspective then → Window → perspective → Reset perspective → yes



Add actions on view:

Step 1:

Open your View class "TestView.java" → Create Jface Action in CreatePartControl () Method → override Run () Method → add your action to **Toolbar Manager** and **Menu Manager**.

```
public void createPartControl(Composite parent) {  
    Action action=new Action("Click Me"){  
        @Override  
        public void run() {  
            System.out.println("I AM WORKING");  
            super.run();  
        }  
    };  
    getViewSite().getActionBars().getToolBarManager().add(action);  
  
    getViewSite().getActionBars().getMenuManager().add(action);  
}
```

Step 2: output.

Run you're plug-in as an eclipse application. Click on your actions and you can see your output on console.



Console output

```
Fri Oct 28 12:26:09 IST 201  
I AM WORKING output 1  
Fri Oct 28 12:26:17 IST 201  
Fri Oct 28 12:26:17 IST 201  
I AM WORKING output 2
```

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