



Open Installer IDE

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xDesign

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Agenda

- What is openInstaller IDE Tool?
- Problem Statement
- Task List
- Task Flow Map
- Low Fi Prototype
- [Project Wiki](#)
- [xDesign Page](#)

What is openInstaller IDE

- A Visual tool to enable developers to easily build installers.
- Built on NetBeans platform & PurpleHaze framework.
- Distributed as a stand alone Java application & as a Netbeans plug-in
- Its an IDE for installer creators.
- Instead of manually coding data into XML files, developers can now use GUI
 - > to manage inputs from multiple component products and easily generate configuration XML files.
 - > organize sequence of all Installer panels
(Splash Screen, License Info, Terms & Conditions etc.,)
 - > Perform integrity check and validate XML
 - > The tool capabilities include more than visual editing of XML files, like integrity check, validation, ease of creation of new installers quickly and finally automating the assembly of the installer.
- Based on the XML files, Installers are built on the PH framework
- Beta release : End Aug 2007

Problem Statement

- Installer Panel design is based on complex configuration XML files which contain multiple installation packages & patches, of multiple component products
- Developers need an easy way to write configuration XML code
 - > to add multiple packages, dependencies, patches of multiple component products
 - > organize and preview installer screen panels
 - > perform integrity check
 - > contextually validate and fix errors.
 - > Sample Input data for a component (say Web Server 7)
 - Packages : Sun OS - 5 packages , Linux - 5 packages, Windows 7 packages: HP : 5 packages
 - Dependencies : CLI] Web Server] Dev
 - Patches & Data Models : <http://vault.red.ipplanet.com/WS70/Engineering/JES/JESUISpec.html>

Task List (1/2)

- **Files** : New, Open, Open Sample, Save, Save As, Delete, Close, Perform Integrity Check, Fix Errors, Import Component files, Import component files as a Reference
- **Components** : New, Copy, Edit, Delete, Rename, Import Component files, Import component files as a Reference
 - > **OS Details** : Select OS Architecture and Versions.
 - Packages : Add, Browse from folder, Browse from file
 - Patches : Add, Browse from file
 - > **Dependencies** : New, Edit, Delete, Copy (Drag n Drop), View Topology, View List of Dependencies, Export, Save, Print
 - > **Data Model** : New, Edit, Delete, Import, View XML Source
 - **Groups** : New , Edit, Delete
 - **Properties** : New, Edit, Delete
 - > **Installer Panel Views** : New, Edit, Delete, Preview, Import View XML Source
 - Sections : New, Edit, Delete
 - Properties : Select/ De Select properties

Task List (2/2)

- **Common Configuration :**

- > **Common Data Model** : New, Edit, Delete, View XML Source

- **Groups** : New , Edit, Delete

- **Properties** : New, Edit, Delete,

- > **Common Installer Panel Views** : New, Edit, Delete, Preview, View XML Source

- **Sections** : New, Edit, Delete,

- **Properties** : Select/ De Select properties,

- > **Panel Sequence** :

- Select and Order Panel Flows for the following mode

- Express Install, Custom Install, Repair, Un-Install

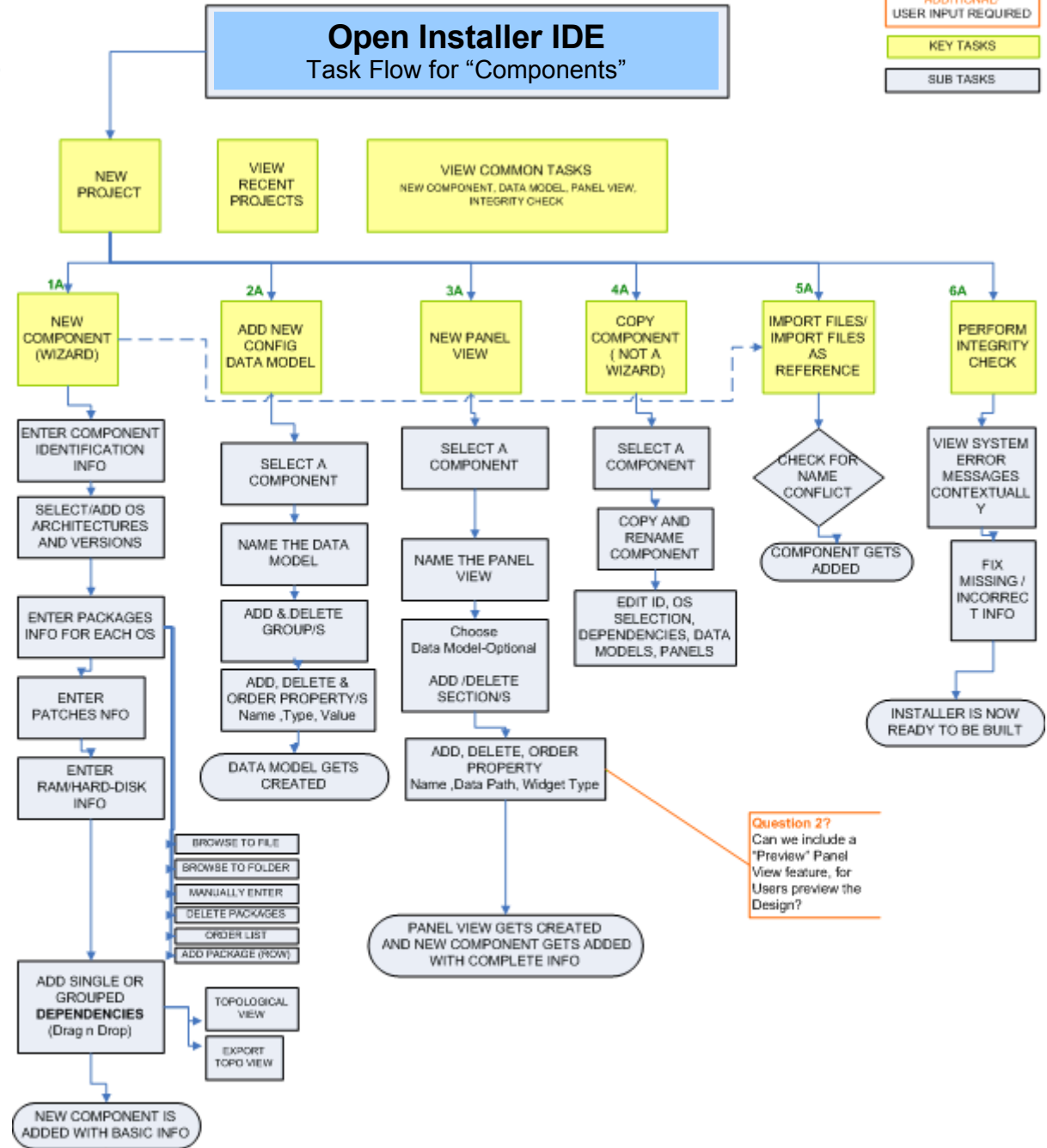
- New, Edit, Delete Installation Modes

- Preview

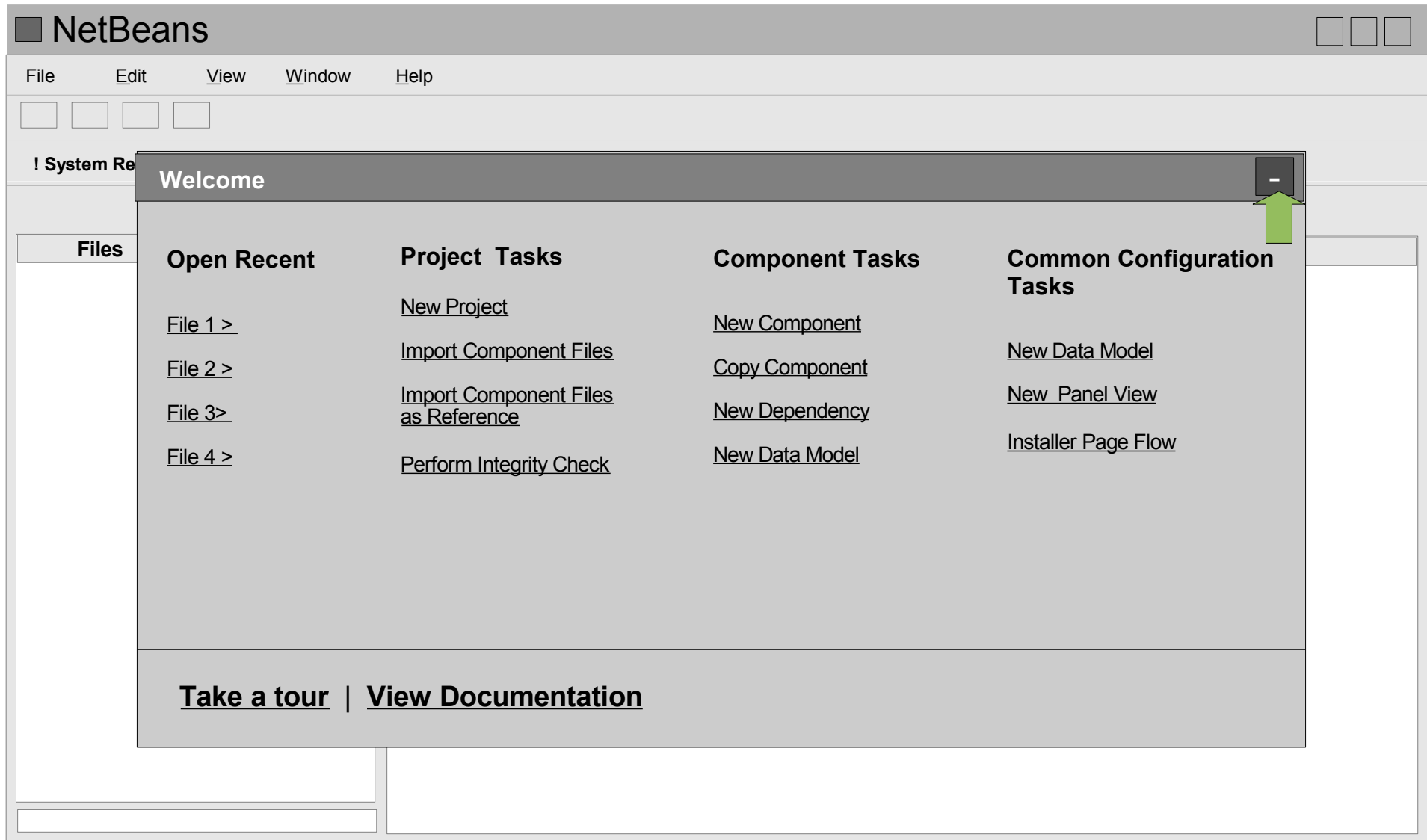
- > **Installer Layout Preferences** :

Task Flow Map

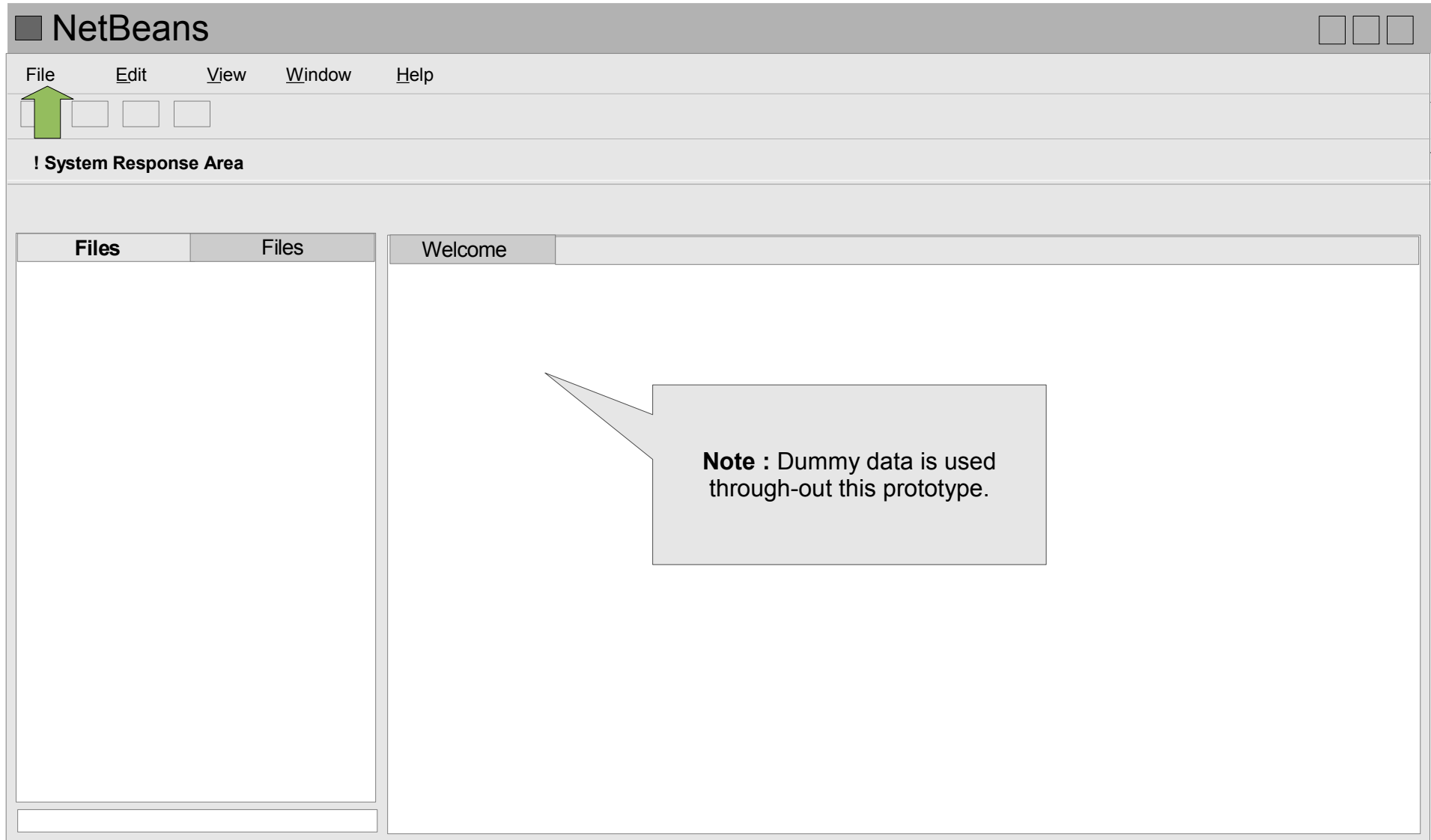
HTML Format >



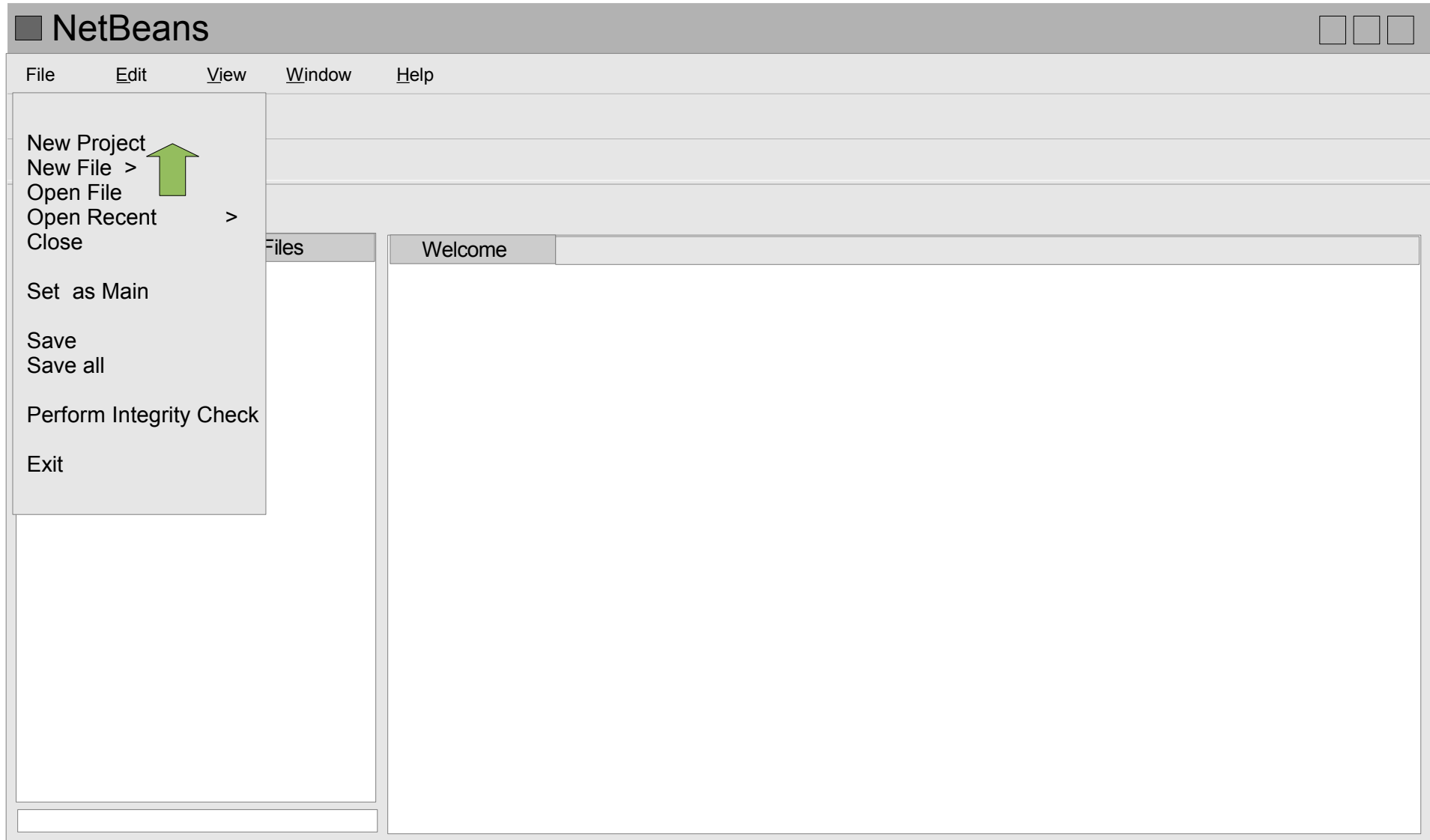
Welcome Screen



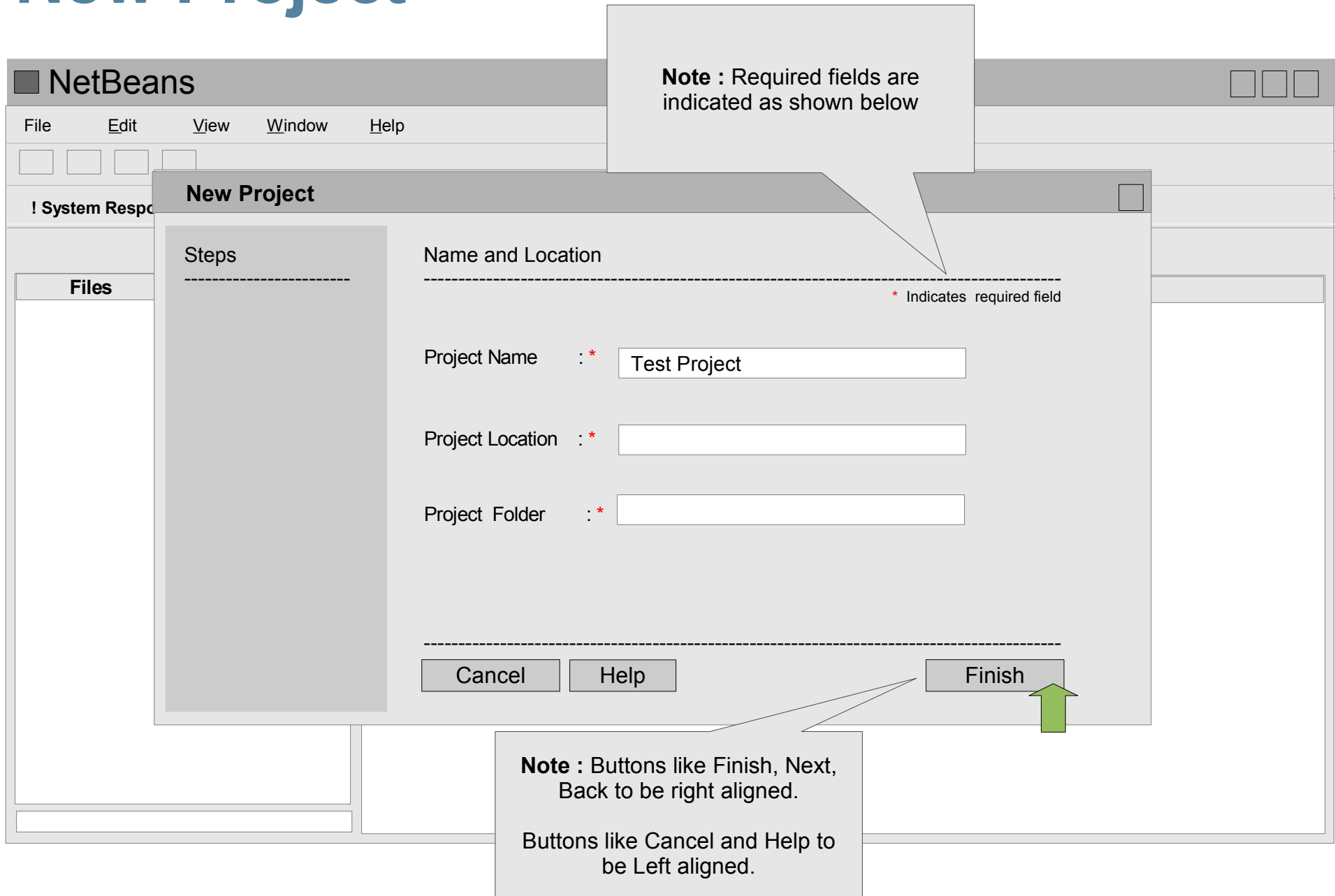
New Project



New Project



New Project



NetBeans

File Edit View Window Help

New Project

! System Respons...

Steps

Files

Note : Required fields are indicated as shown below

Name and Location

* Indicates required field

Project Name : *

Project Location : *

Project Folder : *

Cancel Help Finish

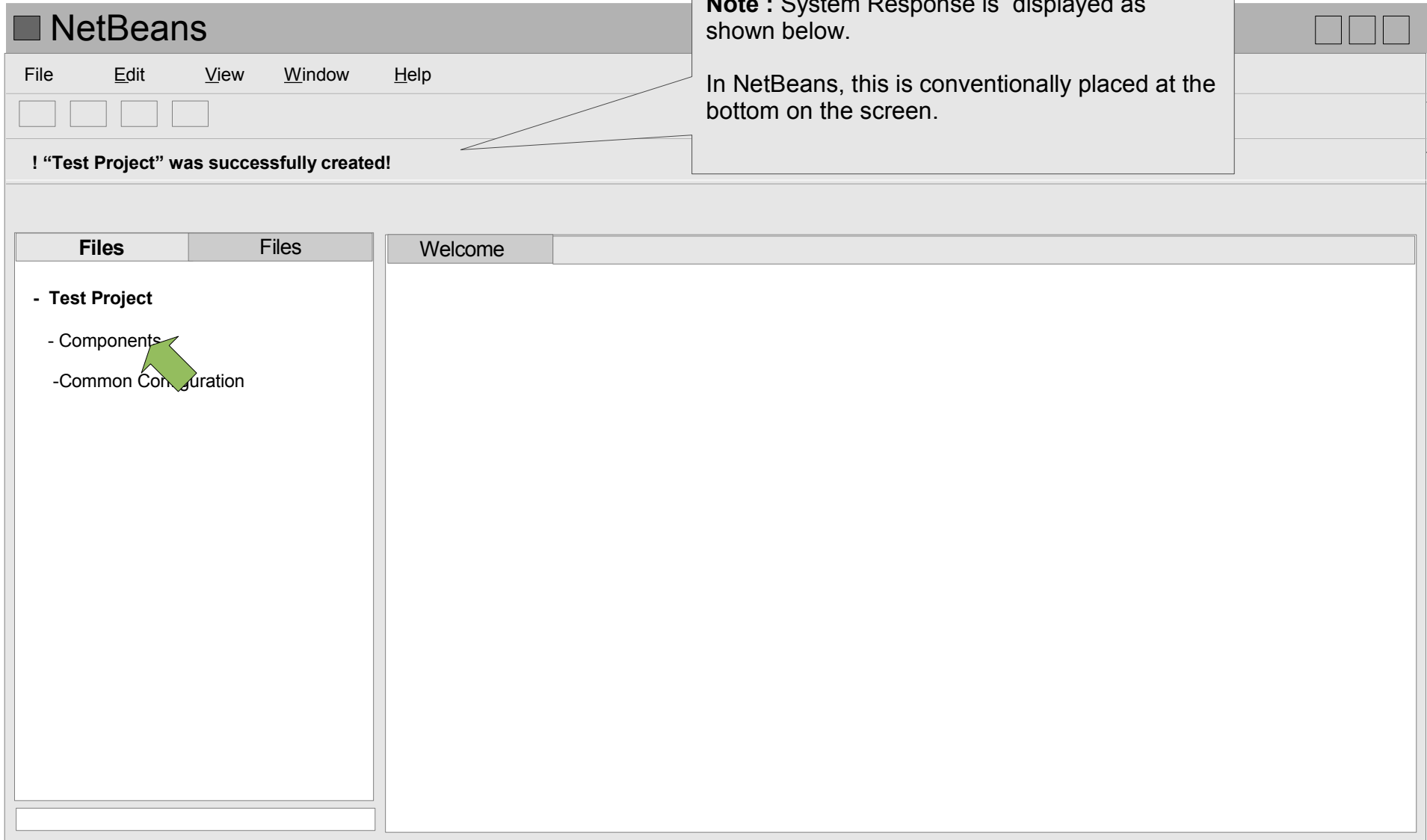
Note : Buttons like Finish, Next, Back to be right aligned.

Buttons like Cancel and Help to be Left aligned.

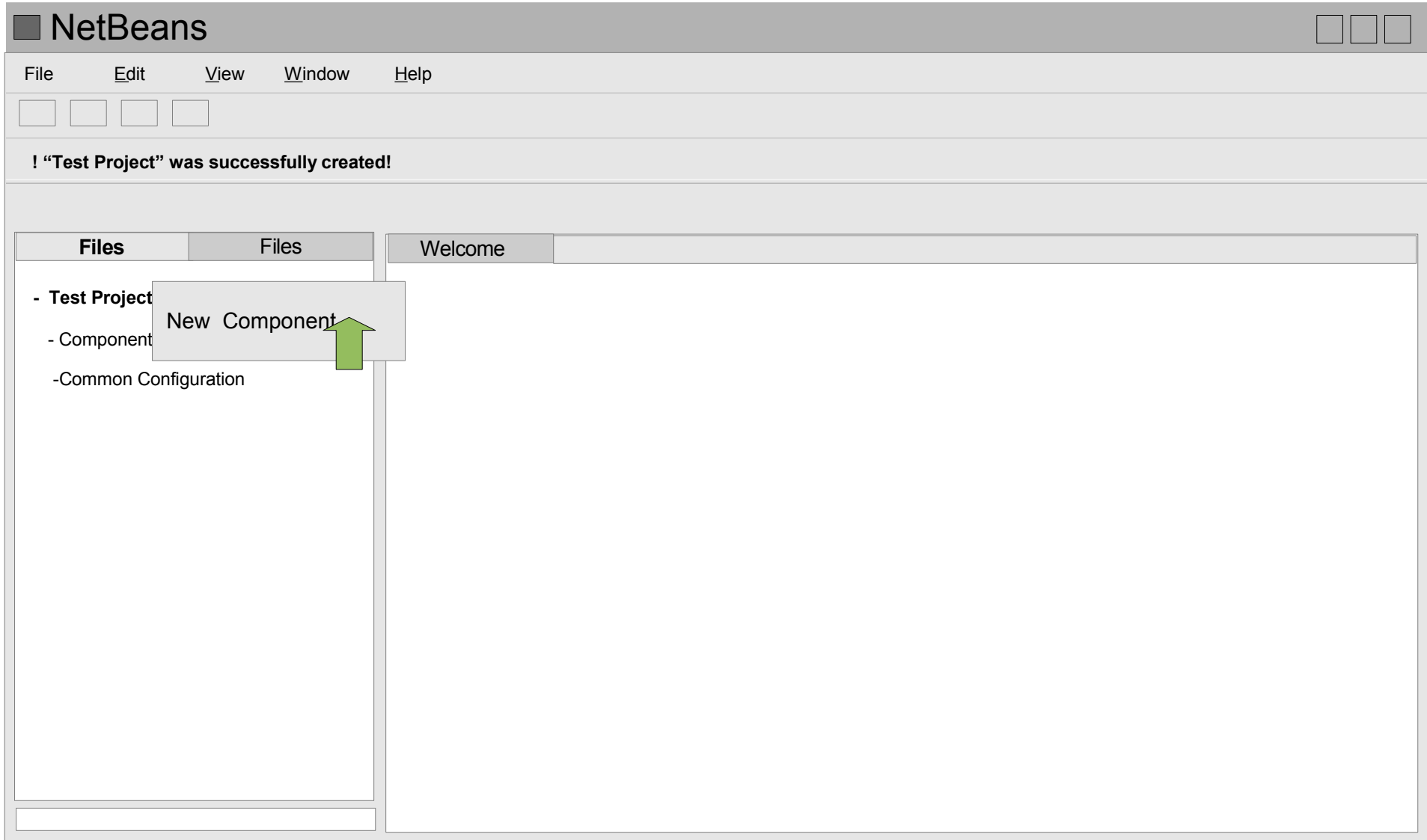
New Component

Note : System Response is displayed as shown below.

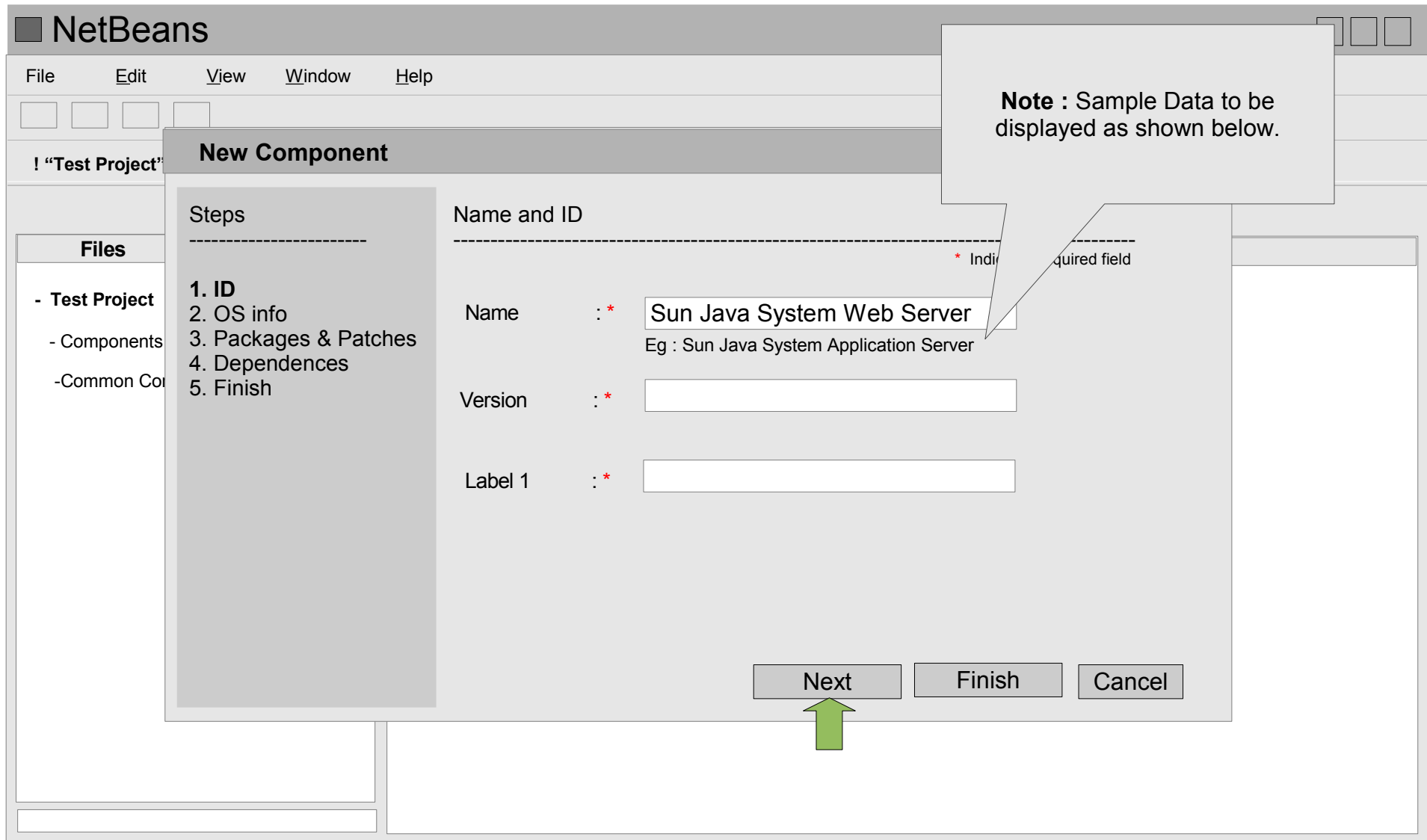
In NetBeans, this is conventionally placed at the bottom on the screen.



New Component



New Component : ID



NetBeans

File Edit View Window Help

! "Test Project"

New Component

Steps

1. ID
2. OS info
3. Packages & Patches
4. Dependences
5. Finish

Name and ID

* Indicated required field

Name : * Sun Java System Web Server
Eg : Sun Java System Application Server

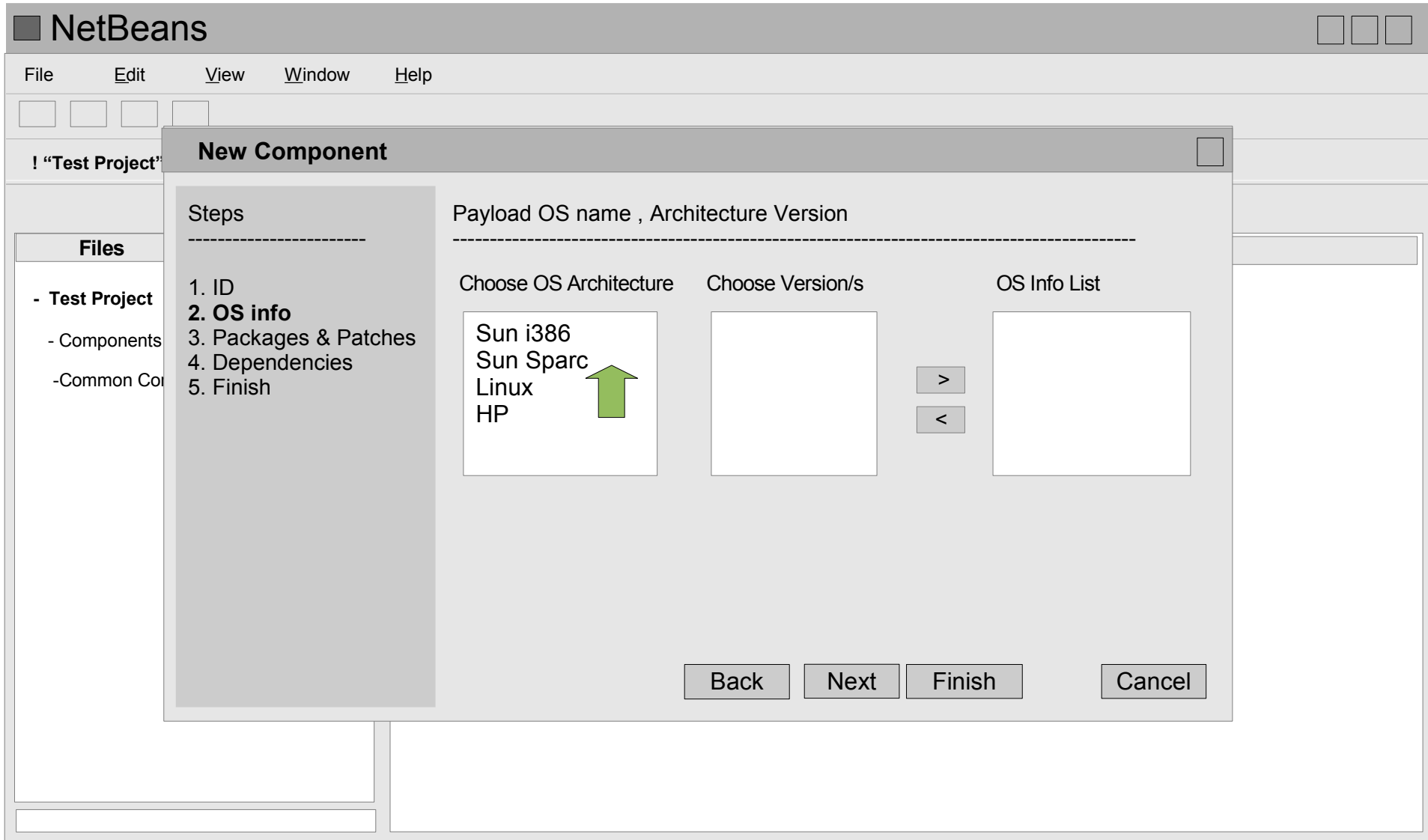
Version : *

Label 1 : *

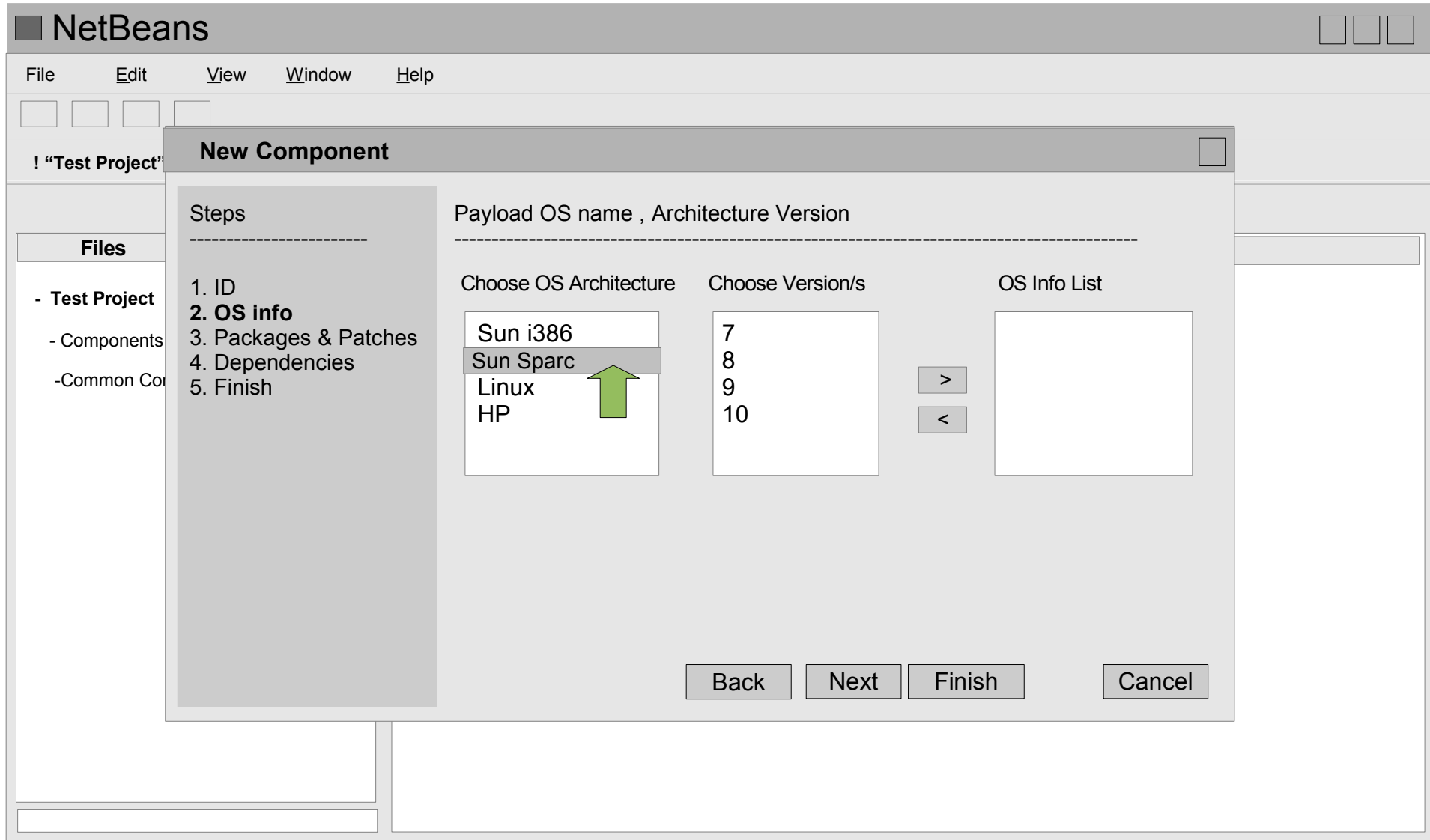
Next Finish Cancel

Note : Sample Data to be displayed as shown below.

New Component : OS+version info



New Component : OS+version info




The screenshot shows the NetBeans IDE with a 'New Component' dialog box open. The dialog is titled 'New Component' and has a menu bar with 'File', 'Edit', 'View', 'Window', and 'Help'. The main area is divided into two sections: 'Steps' and 'Payload OS name , Architecture Version'.

Steps:

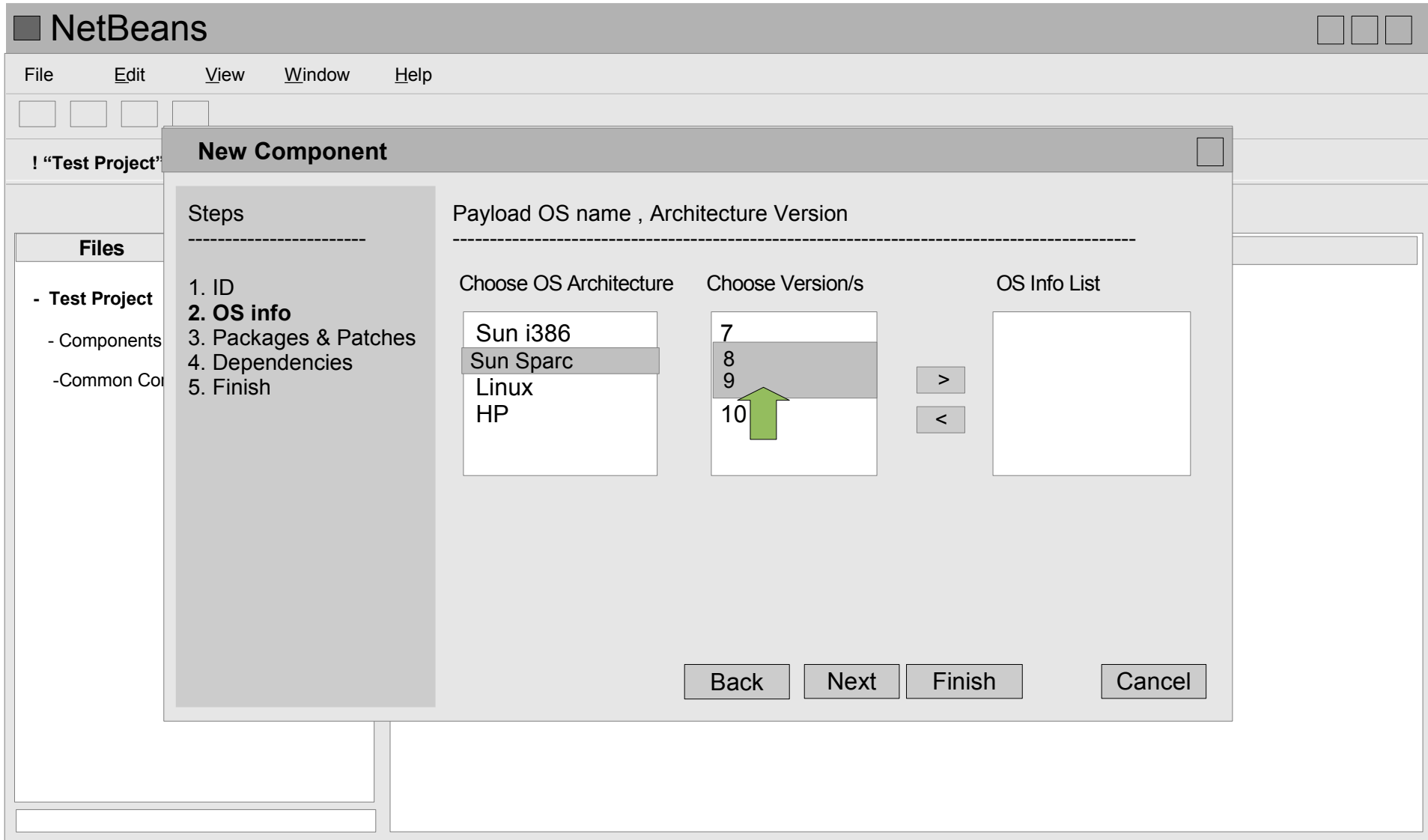
1. ID
- 2. OS info**
3. Packages & Patches
4. Dependencies
5. Finish

Payload OS name , Architecture Version:

Choose OS Architecture	Choose Version/s	OS Info List
Sun i386	7	<input type="text"/>
Sun Sparc 	8	
Linux	9	
HP	10	

Navigation buttons: > (right), < (left), Back, Next, Finish, Cancel.

New Component : OS+version info



The screenshot shows the NetBeans IDE with a 'New Component' dialog box open. The dialog is titled 'New Component' and has a menu bar with 'File', 'Edit', 'View', 'Window', and 'Help'. The main area is divided into two sections: 'Steps' and 'Payload OS name , Architecture Version'.

Steps:

1. ID
- 2. OS info**
3. Packages & Patches
4. Dependencies
5. Finish

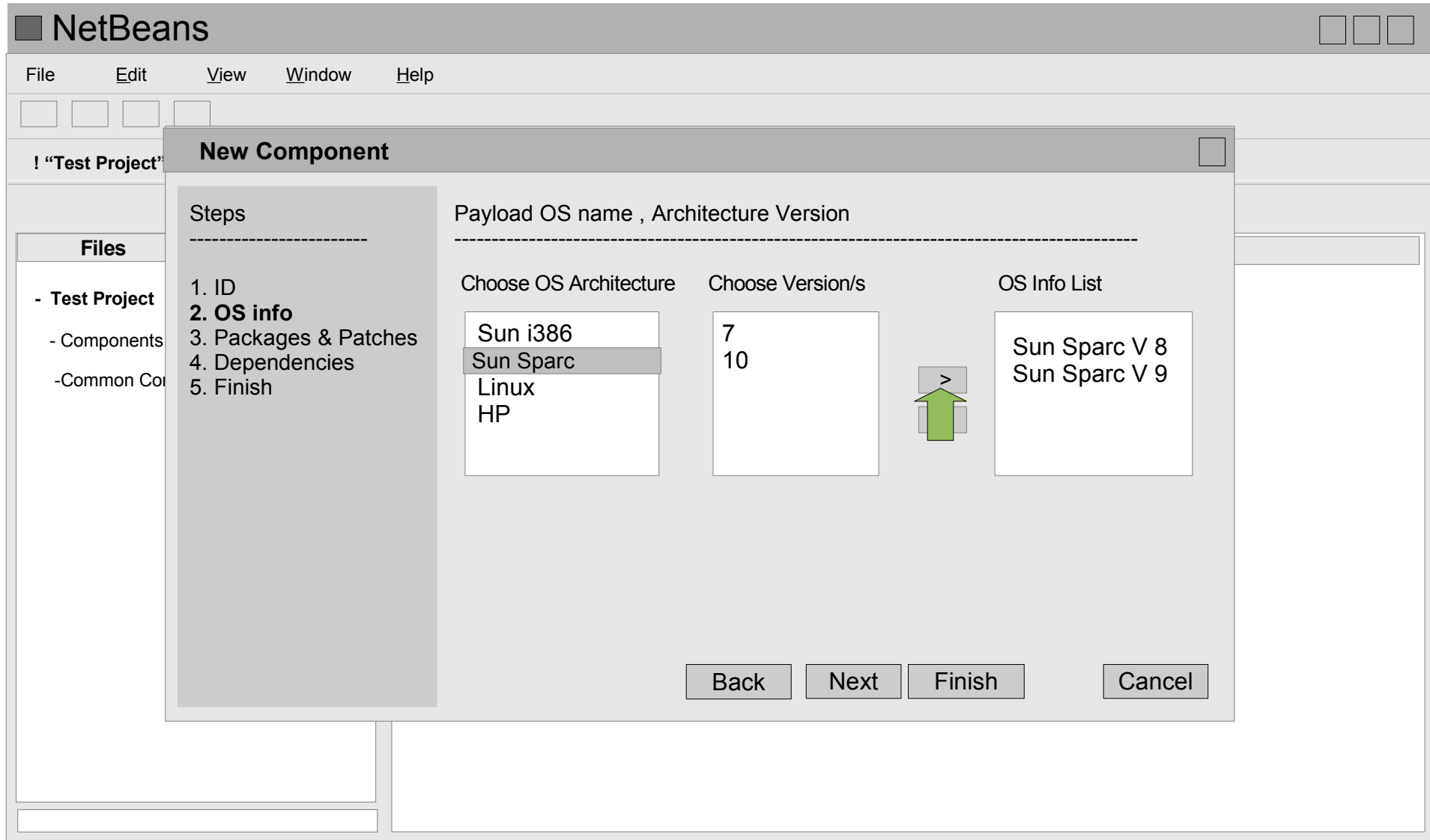
Payload OS name , Architecture Version:

This section contains three main areas:

- Choose OS Architecture:** A list box containing 'Sun i386', 'Sun Sparc', 'Linux', and 'HP'. 'Sun Sparc' is currently selected.
- Choose Version/s:** A list box containing '7', '8', '9', and '10'. '8' is currently selected, and a green arrow points upwards towards it.
- OS Info List:** An empty list box.

Navigation buttons are located at the bottom of the dialog: 'Back', 'Next', 'Finish', and 'Cancel'. There are also '>' and '<' buttons between the 'Choose Version/s' and 'OS Info List' sections.

New Component : OS+version info



The screenshot shows the NetBeans IDE with a 'New Component' dialog box open. The dialog is titled 'New Component' and has a menu bar with 'File', 'Edit', 'View', 'Window', and 'Help'. The main area is divided into two sections: 'Steps' and 'Payload OS name , Architecture Version'.

Steps:

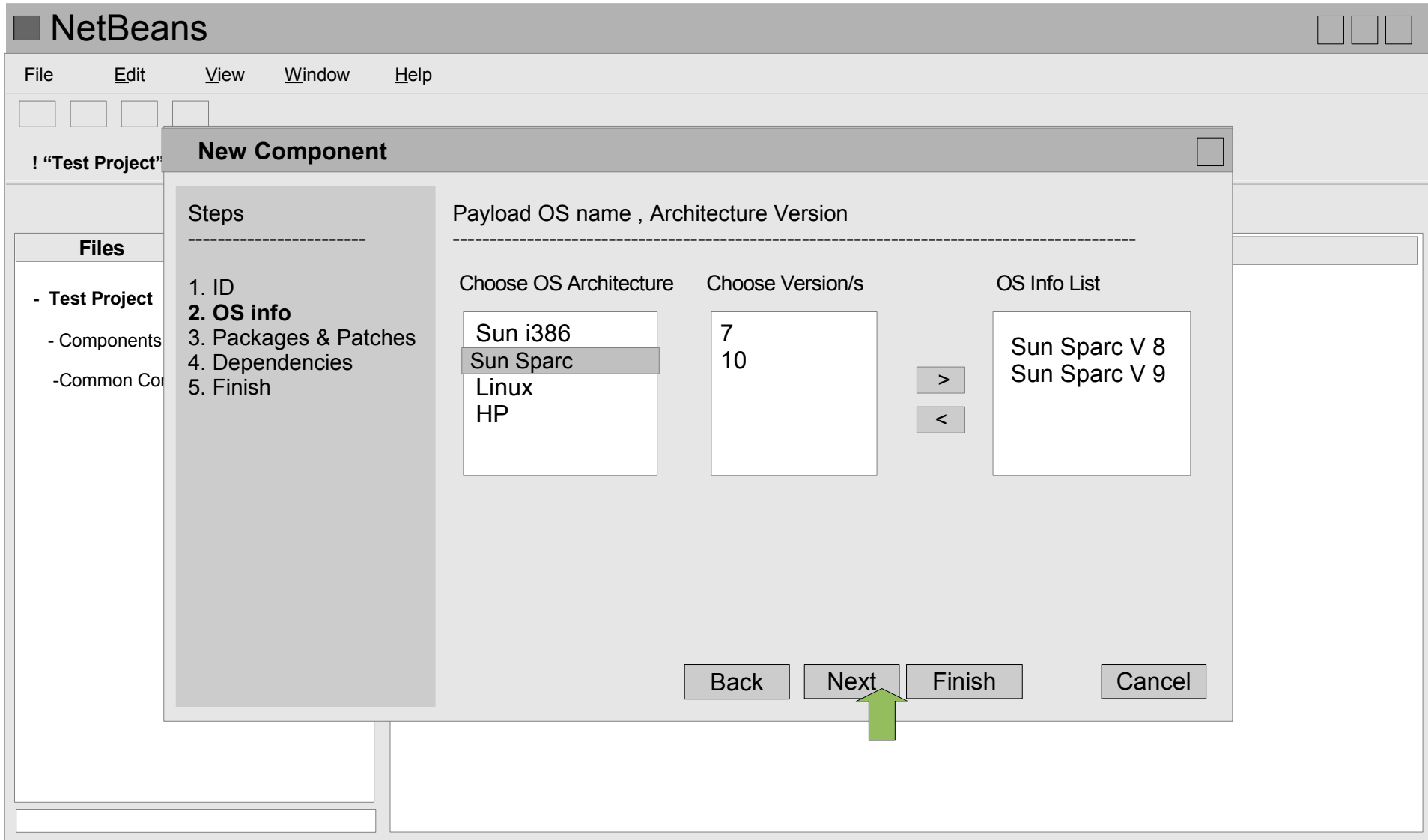
1. ID
- 2. OS info**
3. Packages & Patches
4. Dependencies
5. Finish

Payload OS name , Architecture Version:

The 'Choose OS Architecture' list contains: Sun i386, Sun Sparc (selected), Linux, and HP. The 'Choose Version/s' list contains: 7 and 10. A green arrow points to a '>' button between the two lists. The 'OS Info List' contains: Sun Sparc V 8 and Sun Sparc V 9.

At the bottom of the dialog are four buttons: Back, Next, Finish, and Cancel.

New Component : OS+version info



The screenshot shows the NetBeans IDE with the 'New Component' dialog open. The dialog is titled 'New Component' and has a menu bar with 'File', 'Edit', 'View', 'Window', and 'Help'. The main area is divided into two sections: 'Steps' and 'Payload OS name , Architecture Version'.

Steps:

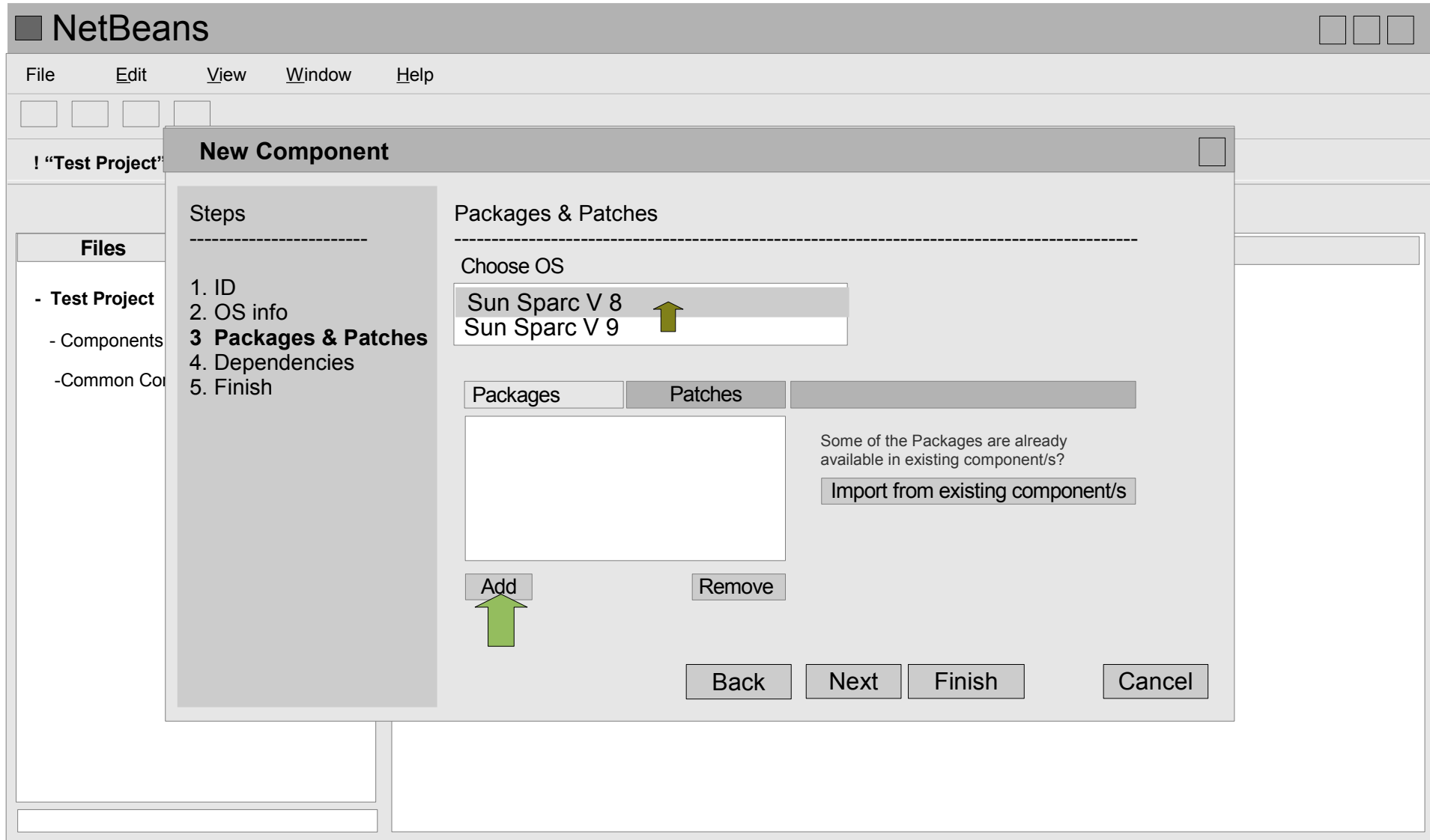
1. ID
- 2. OS info**
3. Packages & Patches
4. Dependencies
5. Finish

Payload OS name , Architecture Version:

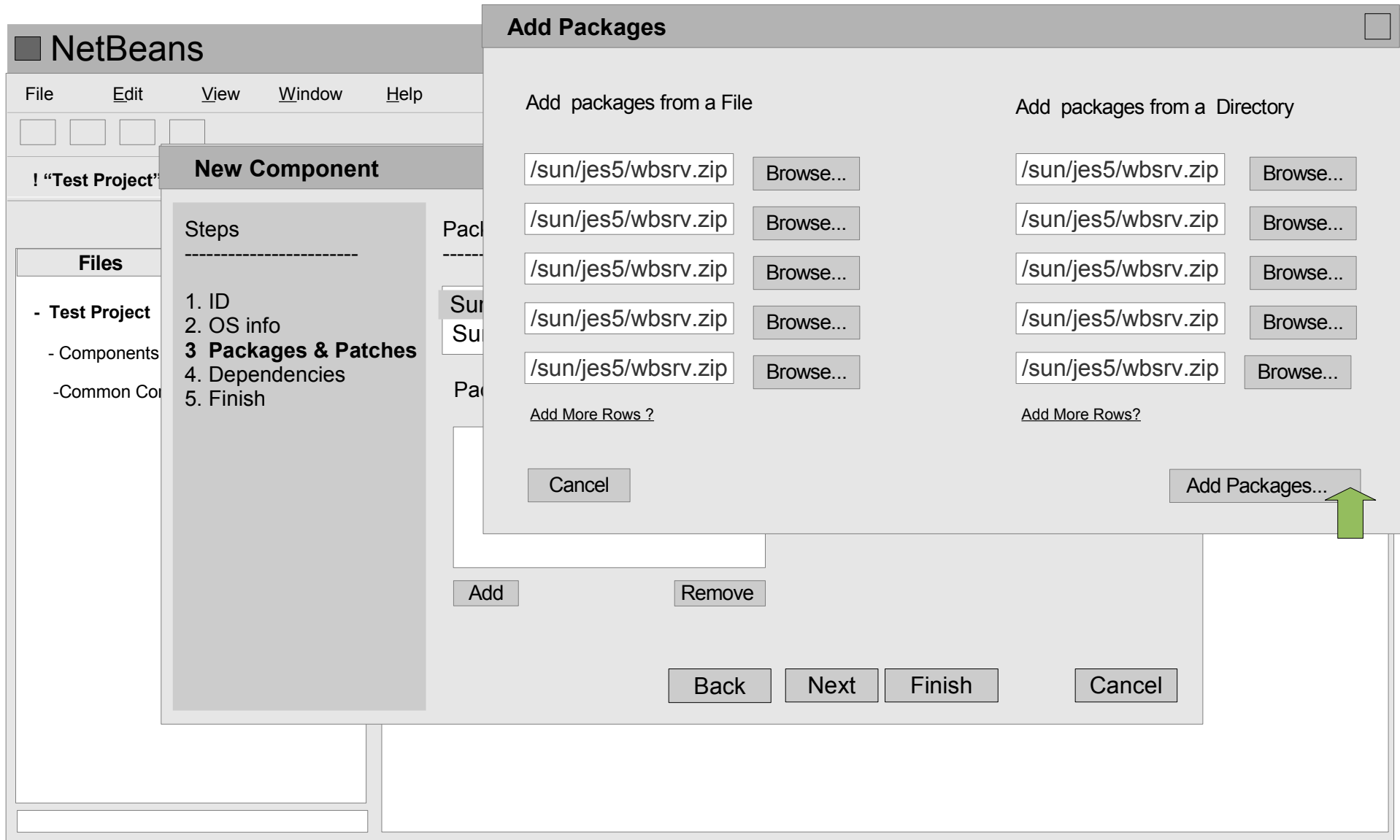
Choose OS Architecture	Choose Version/s	OS Info List
Sun i386	7	Sun Sparc V 8 Sun Sparc V 9
Sun Sparc	10	
Linux		
HP		

Navigation buttons: Back, Next (highlighted with a green arrow), Finish, Cancel.

New Component : Packages & Patches : Option 1

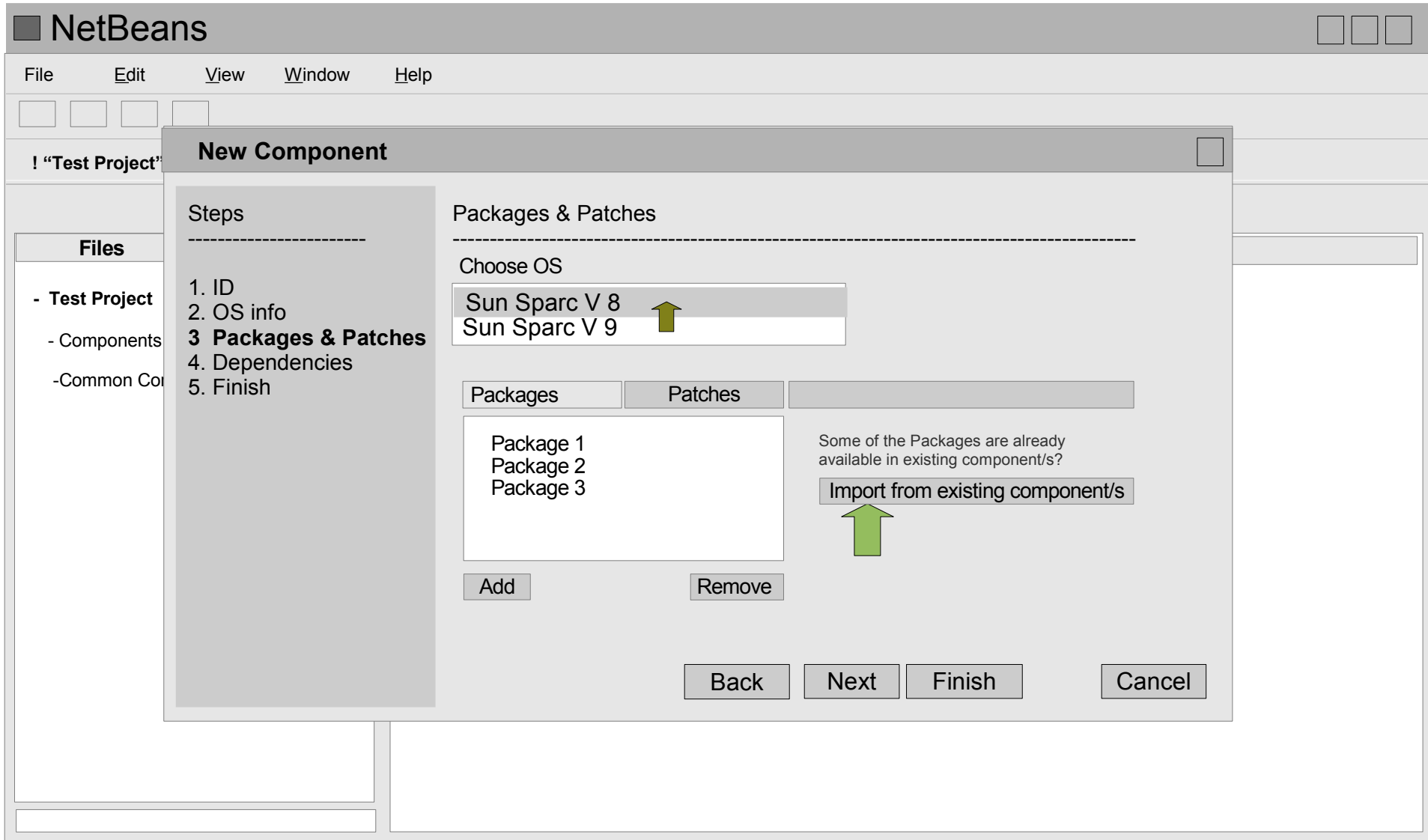


New Component : Packages & Patches



The screenshot shows the NetBeans IDE interface with the 'New Component' wizard open. The wizard is at the 'Packages & Patches' step, which is highlighted in the 'Steps' list on the left. The 'Add Packages' dialog is displayed in the foreground, allowing the user to add packages from either a file or a directory. The dialog contains two columns of input fields, each with a 'Browse...' button. The path '/sun/jes5/wbsrv.zip' is entered in each field. At the bottom of the dialog, there are 'Add More Rows?' links, a 'Cancel' button, and an 'Add Packages...' button. A green arrow points to the 'Add Packages...' button. Below the dialog, there are 'Add' and 'Remove' buttons, and at the bottom of the wizard, there are 'Back', 'Next', 'Finish', and 'Cancel' buttons.

New Component : Packages & Patches



New Component : Packages & Patches

NetBeans

File Edit View Window Help

! "Test Project"

New Component

Steps

1. ID
2. OS info
- 3 Packages & Patches**
4. Dependencies
5. Finish

Import Packages from existing components

Choose a Component

- Component 1
- Component 2
- Component 3
- Component 4
- Component 5

Choose Supported OS

- Sun Solaris V 9
- Windows XP

Choose Packages

- Package 1
- Package 2
- Package 3
- Package 4
- Package 5
- Package 6

>

<

- Package 7
- Package 8
- Package 9

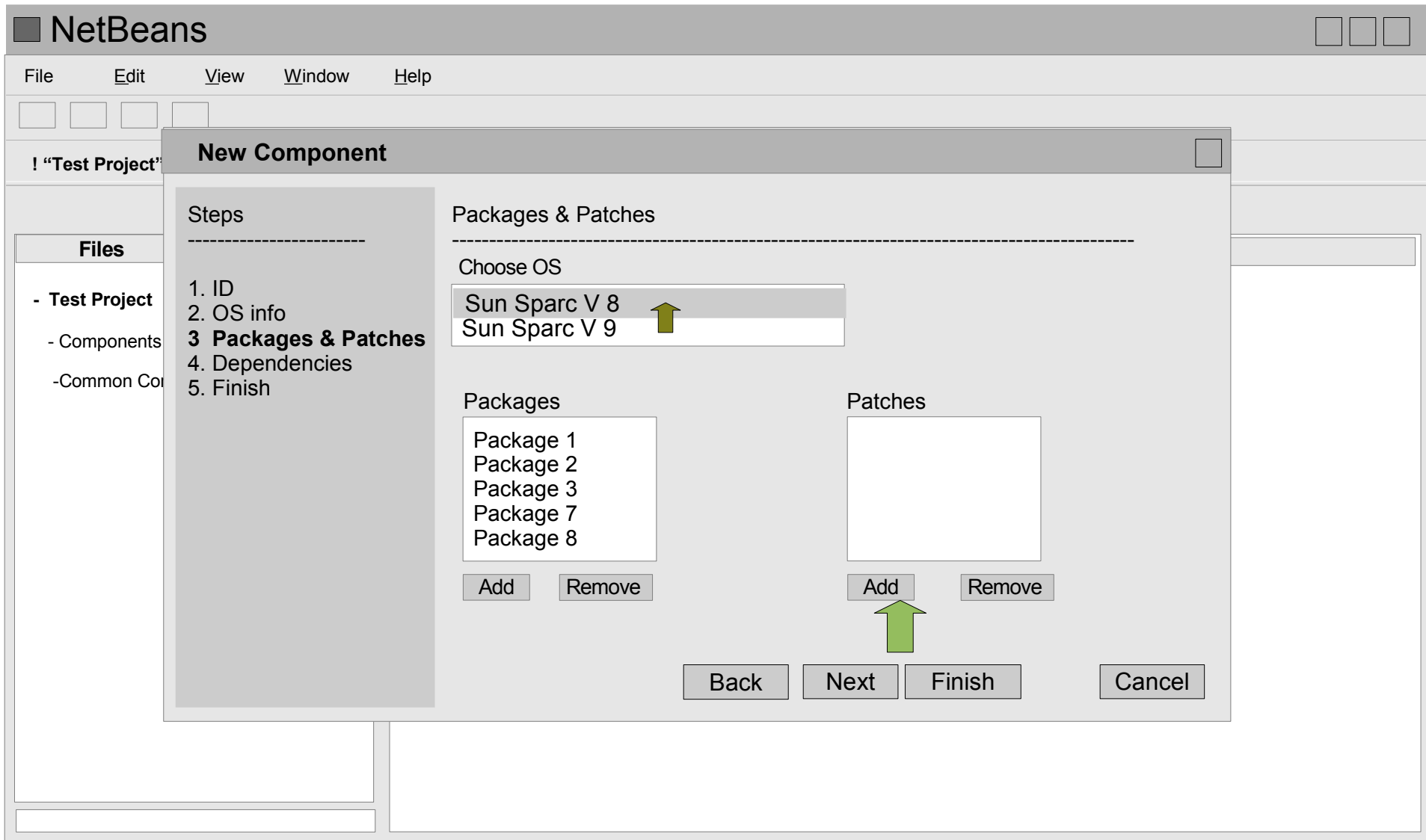
Import Packages

Add Remove

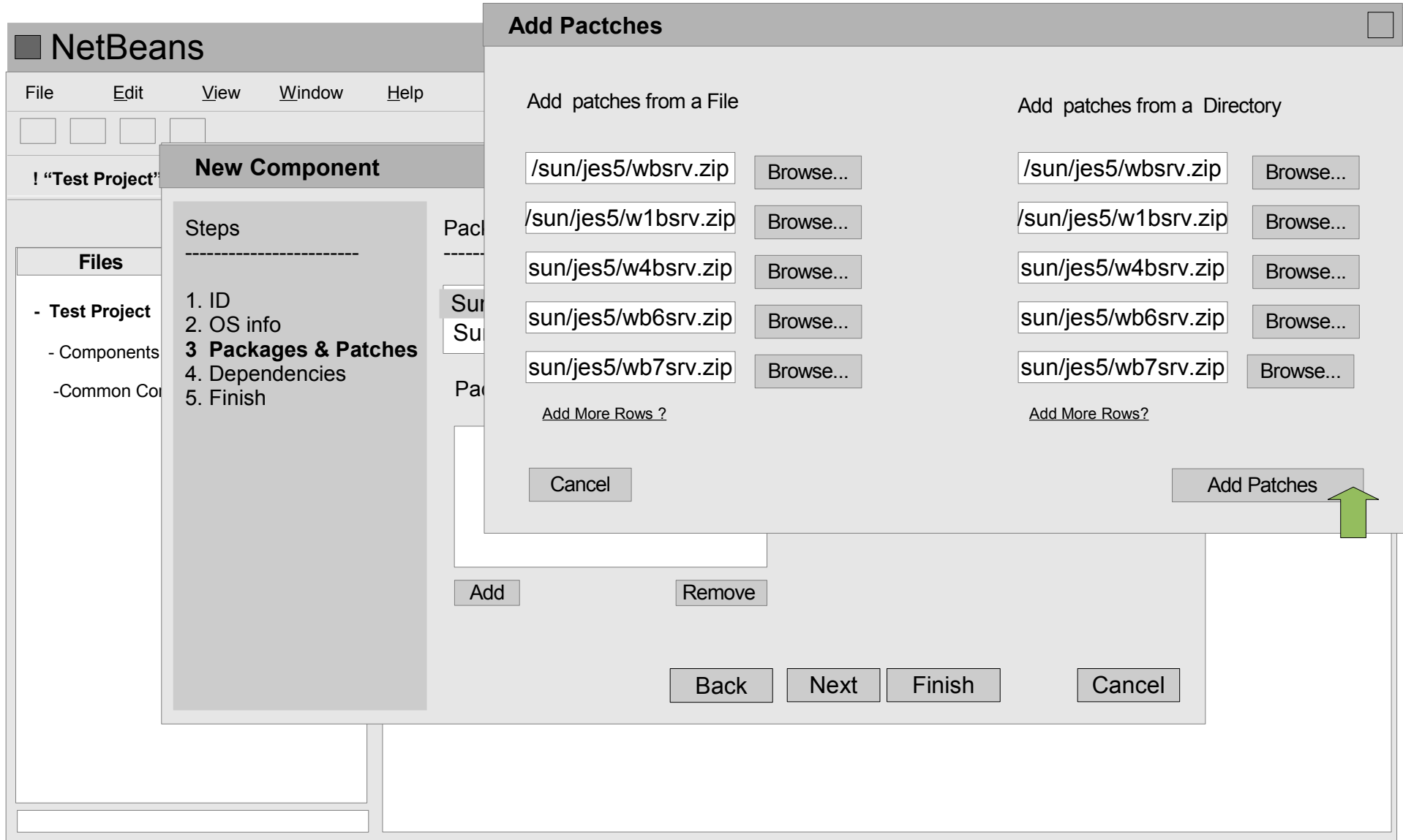
Back Next Finish Cancel

Is this "Import Packages" feature User-Friendly?

New Component : Packages & Patches : Option 2



New Component : Packages & Patches



NetBeans

File Edit View Window Help

! "Test Project"

New Component

Steps

1. ID
2. OS info
- 3 Packages & Patches**
4. Dependencies
5. Finish

Add Patches

Add patches from a File

/sun/jes5/wbsrv.zip	Browse...
/sun/jes5/w1bsrv.zip	Browse...
sun/jes5/w4bsrv.zip	Browse...
sun/jes5/wb6srv.zip	Browse...
sun/jes5/wb7srv.zip	Browse...

Add More Rows ?

Cancel

Add patches from a Directory

/sun/jes5/wbsrv.zip	Browse...
/sun/jes5/w1bsrv.zip	Browse...
sun/jes5/w4bsrv.zip	Browse...
sun/jes5/wb6srv.zip	Browse...
sun/jes5/wb7srv.zip	Browse...

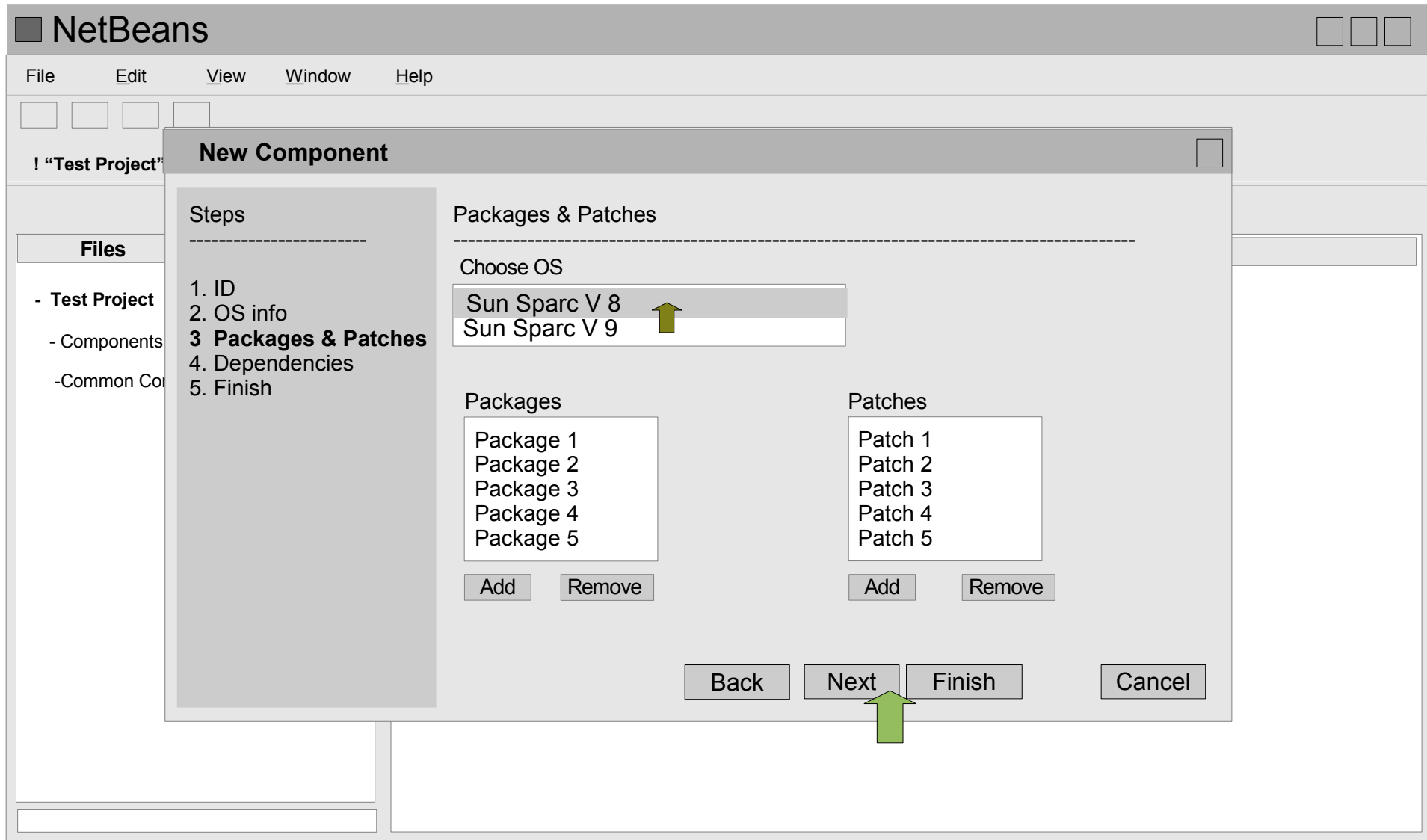
Add More Rows ?

Add Patches

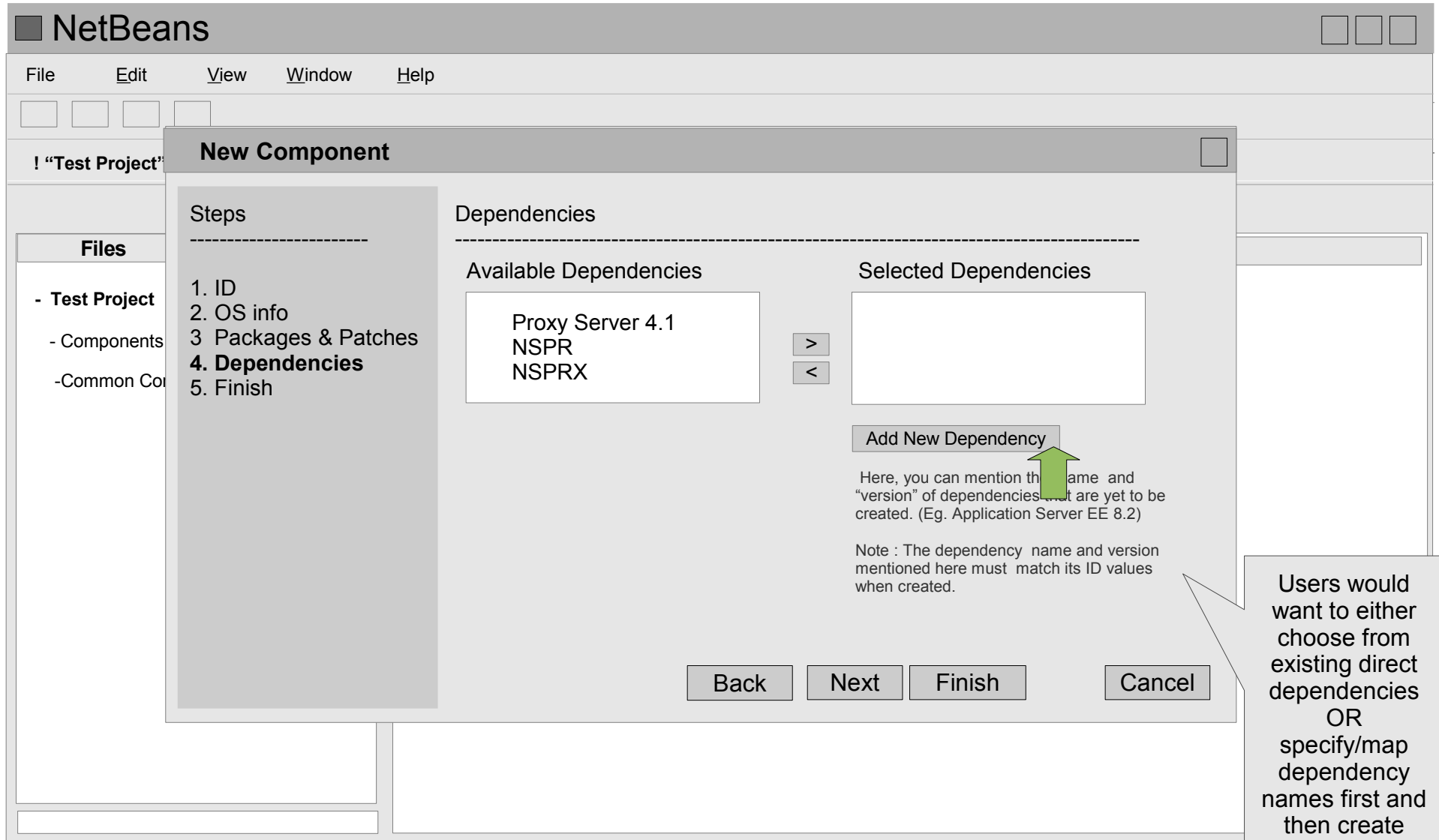
Add Remove

Back Next Finish Cancel

New Component : Packages & Patches



New Component : Dependencies



NetBeans

File Edit View Window Help

! "Test Project"

New Component

Steps

1. ID
2. OS info
3. Packages & Patches
- 4. Dependencies**
5. Finish

Files

- Test Project
- Components
- Common Co

Dependencies

Available Dependencies

- Proxy Server 4.1
- NSPR
- NSPRX

>

<

Selected Dependencies

Add New Dependency

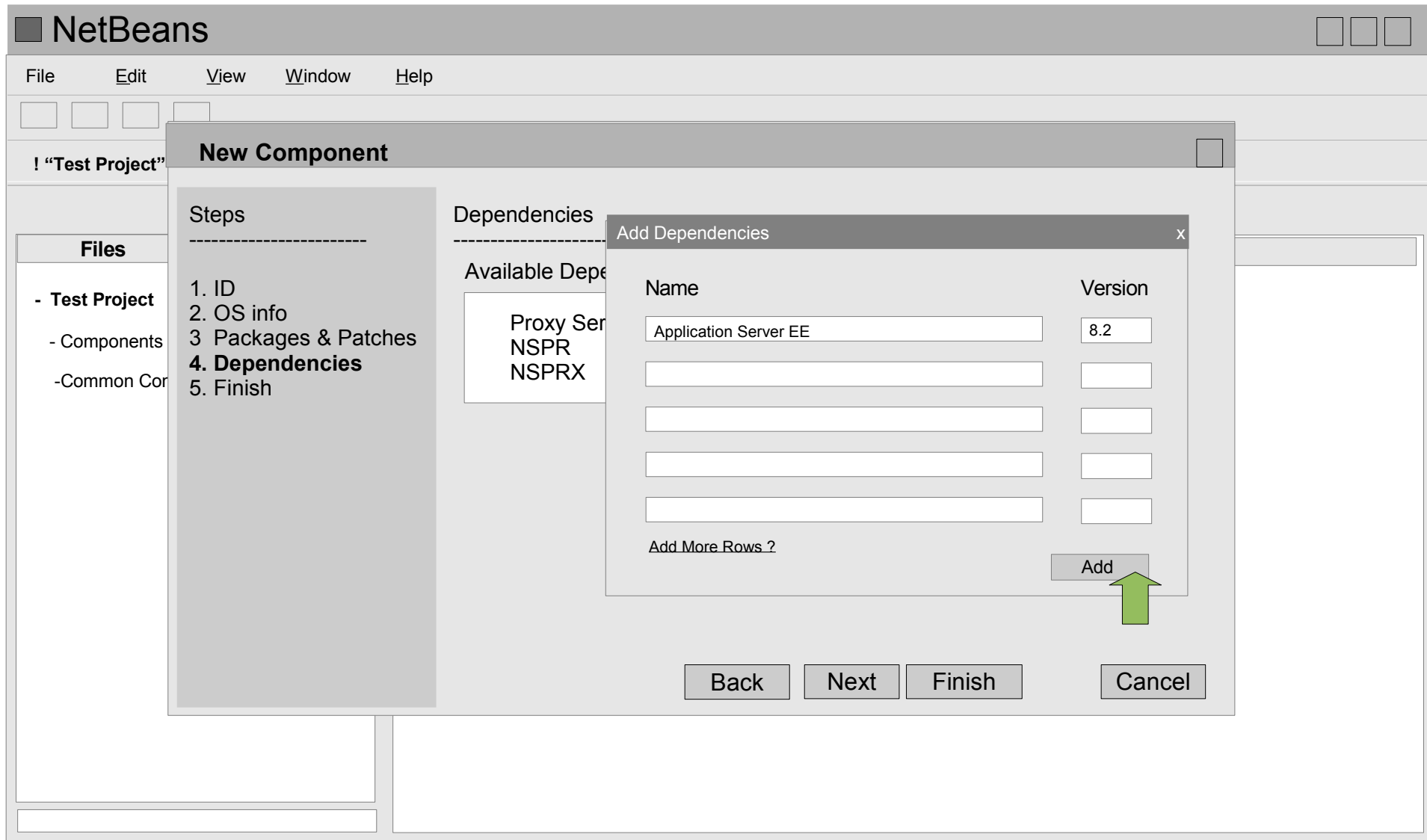
Here, you can mention the name and "version" of dependencies that are yet to be created. (Eg. Application Server EE 8.2)

Note : The dependency name and version mentioned here must match its ID values when created.

Back Next Finish Cancel

Users would want to either choose from existing direct dependencies OR specify/map dependency names first and then create them later

New Component : Dependencies



NetBeans

File Edit View Window Help

! "Test Project"

New Component

Steps

1. ID
2. OS info
3. Packages & Patches
- 4. Dependencies**
5. Finish

Dependencies

Available Dependencies

- Proxy Server
- NSPR
- NSPRX

Add Dependencies

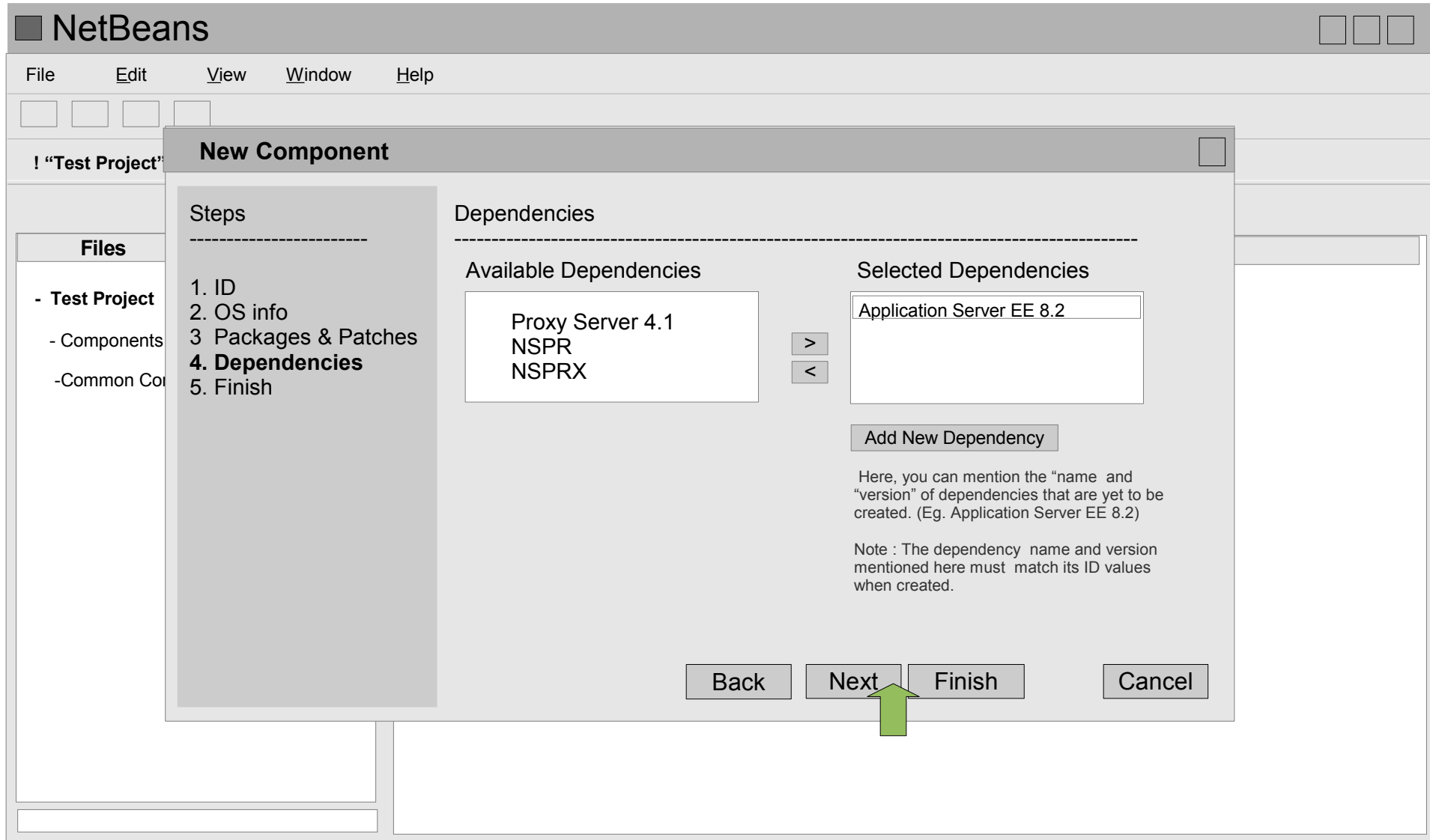
Name	Version
Application Server EE	8.2

Add More Rows ?

Add

Back Next Finish Cancel

New Component : Dependencies



NetBeans

File Edit View Window Help

! "Test Project"

New Component

Steps

1. ID
2. OS info
3. Packages & Patches
- 4. Dependencies**
5. Finish

Dependencies

Available Dependencies

- Proxy Server 4.1
- NSPR
- NSPRX

Selected Dependencies

- Application Server EE 8.2

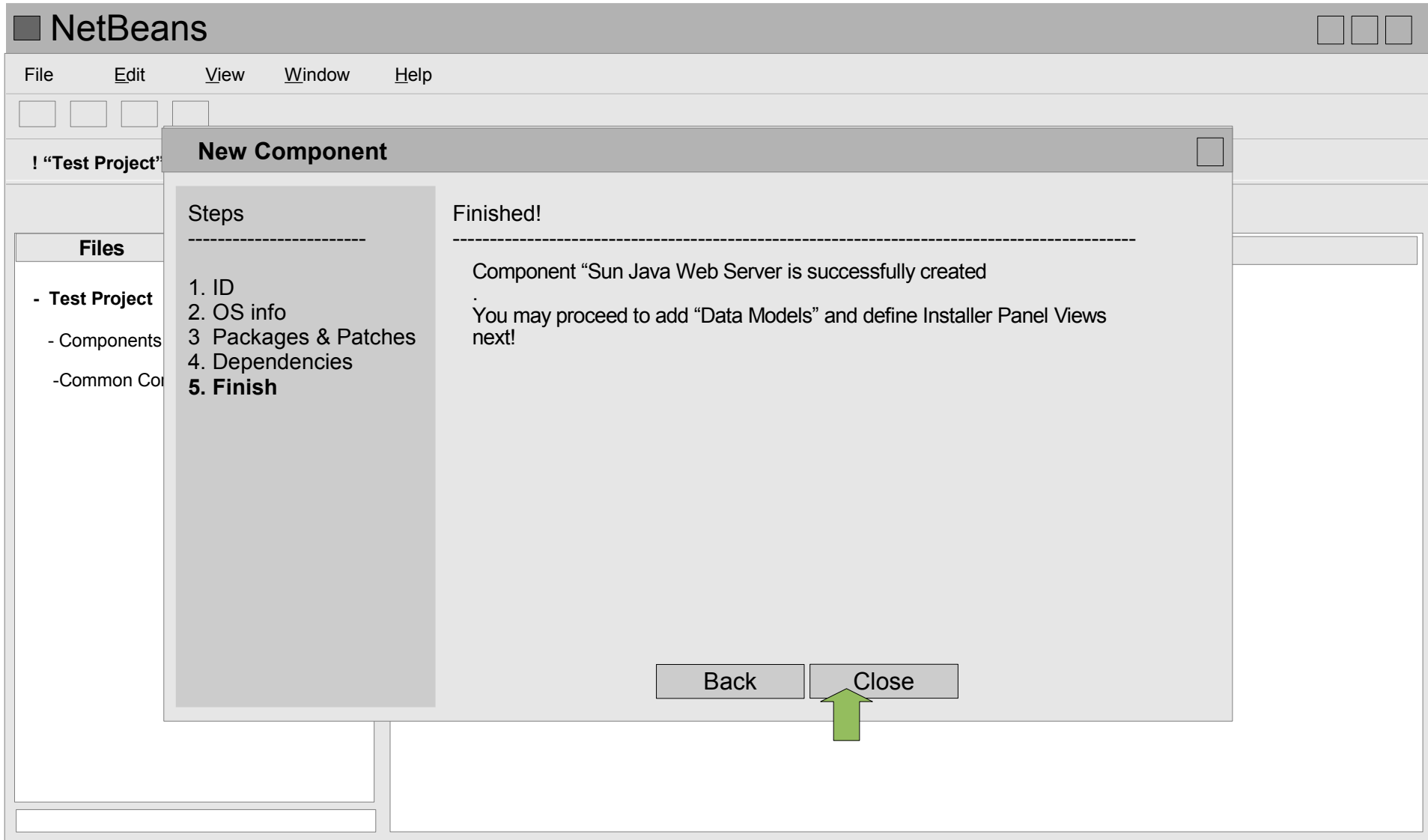
Add New Dependency

Here, you can mention the "name" and "version" of dependencies that are yet to be created. (Eg. Application Server EE 8.2)

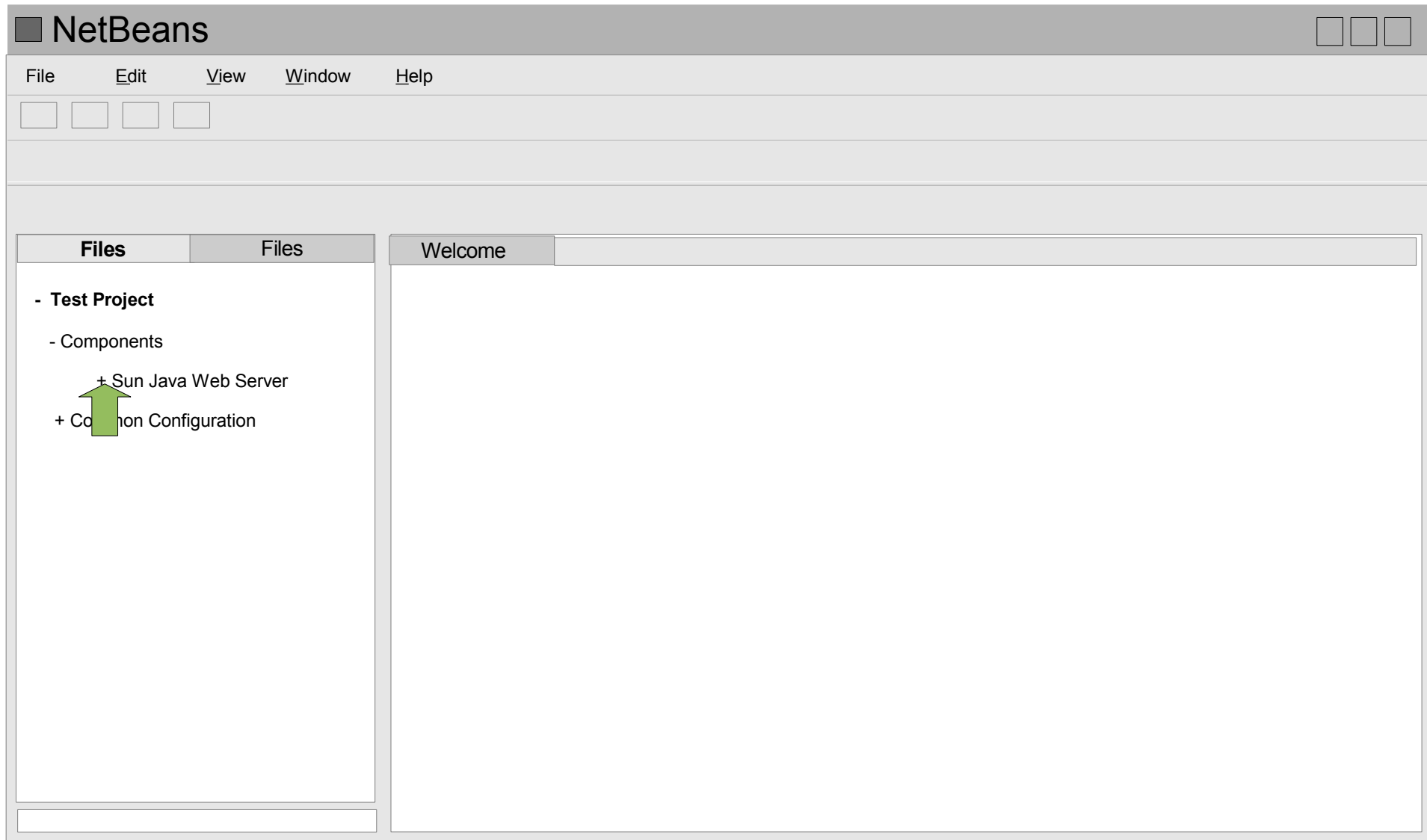
Note : The dependency name and version mentioned here must match its ID values when created.

Back Next Finish Cancel

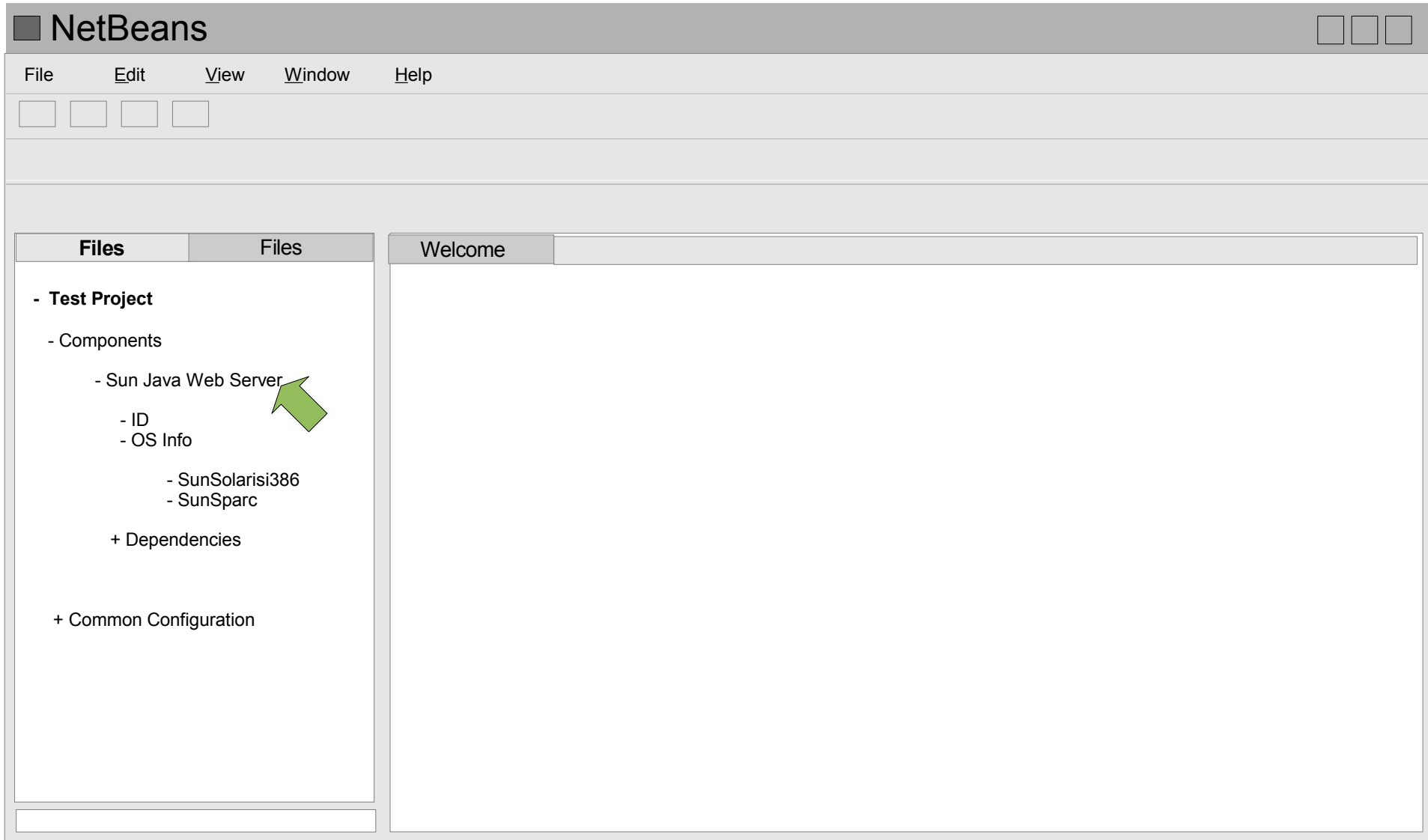
New Component : Finish



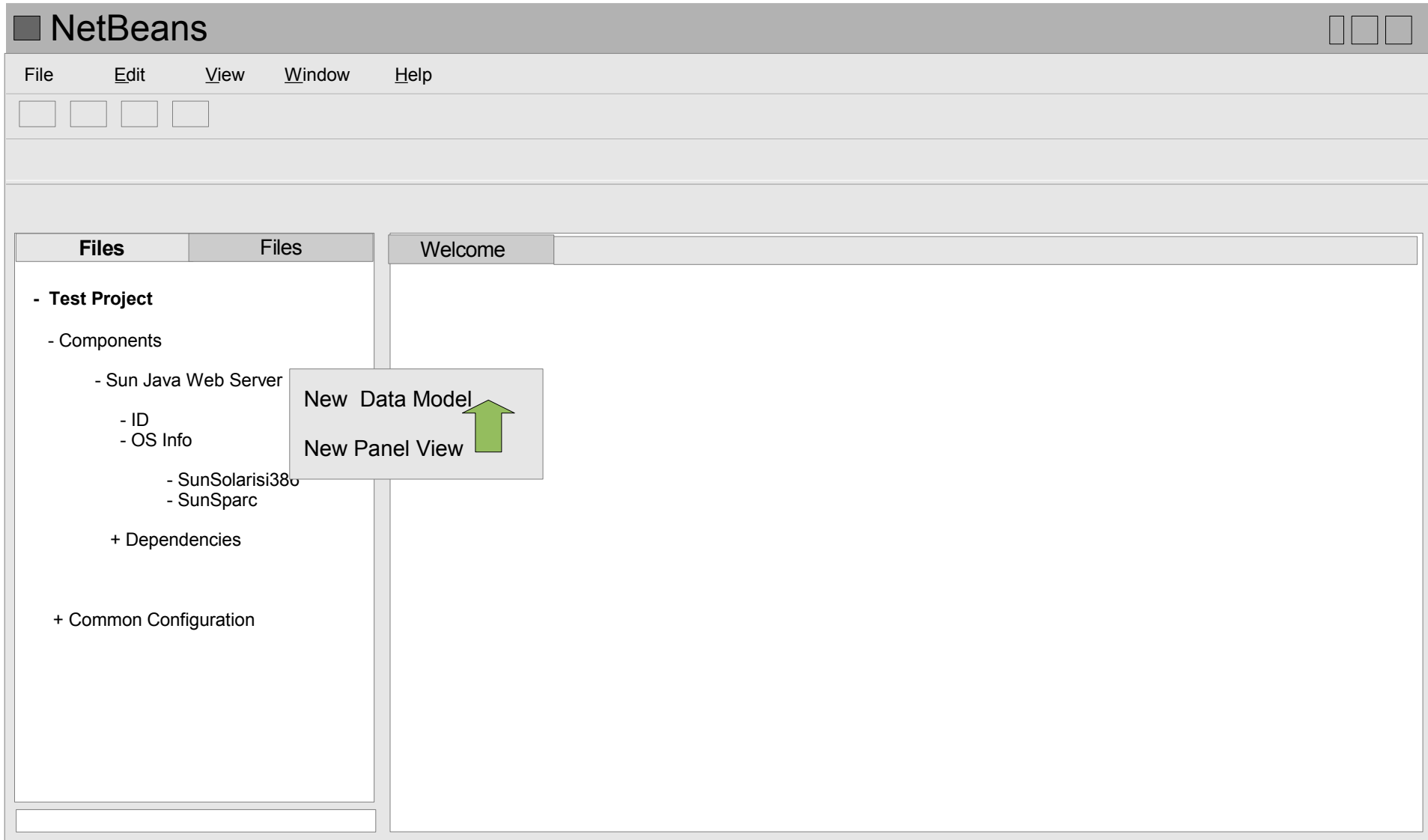
Component



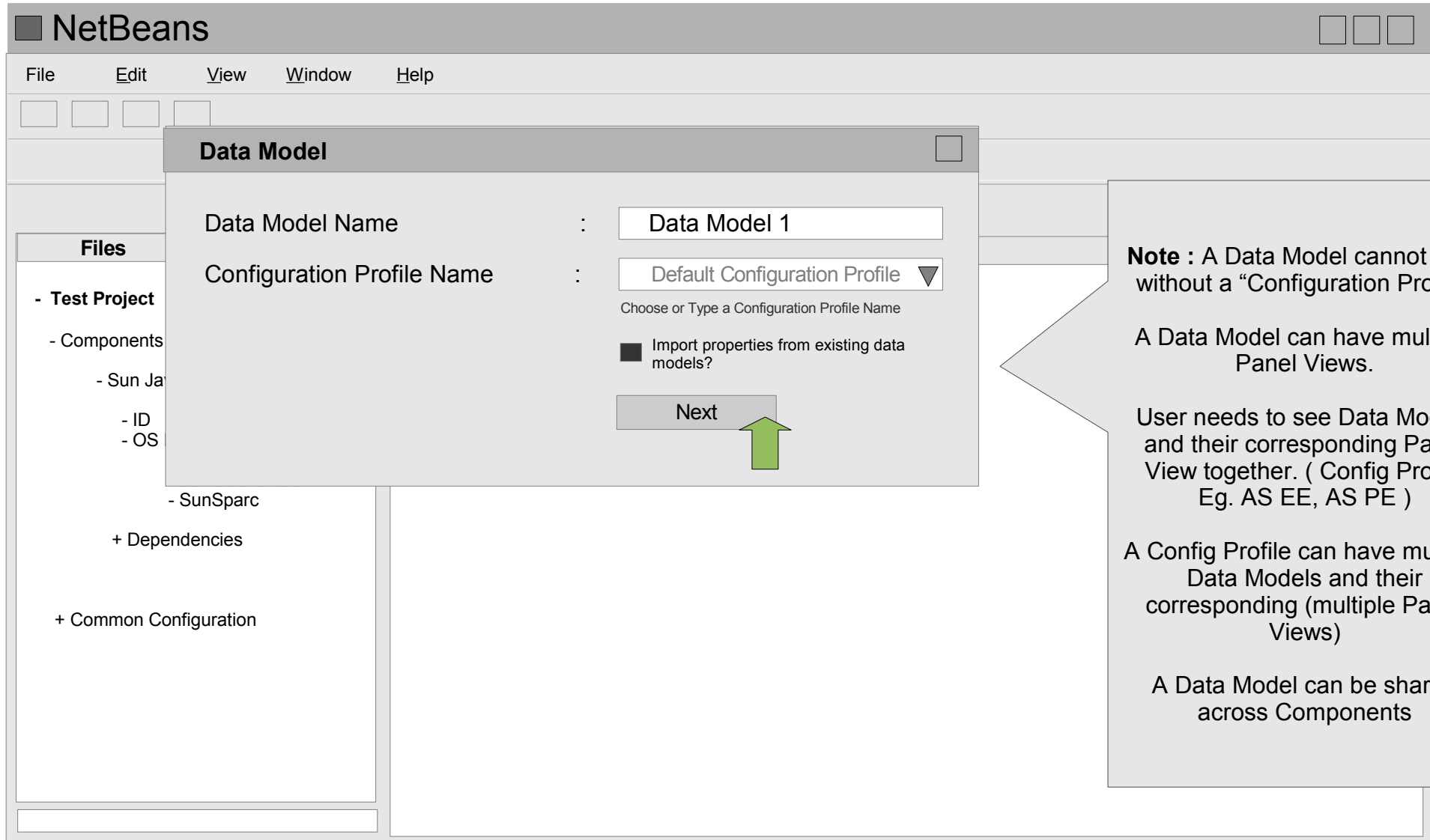
New Data Model



New Data Model



New Data Model



NetBeans

File Edit View Window Help

Data Model

Data Model Name : Data Model 1

Configuration Profile Name : Default Configuration Profile ▼

Choose or Type a Configuration Profile Name

Import properties from existing data models?

Next

Files

- Test Project
 - Components
 - Sun Ja
 - ID
 - OS
 - SunSparc
 - + Dependencies
 - + Common Configuration

Note : A Data Model cannot exist without a “Configuration Profile”

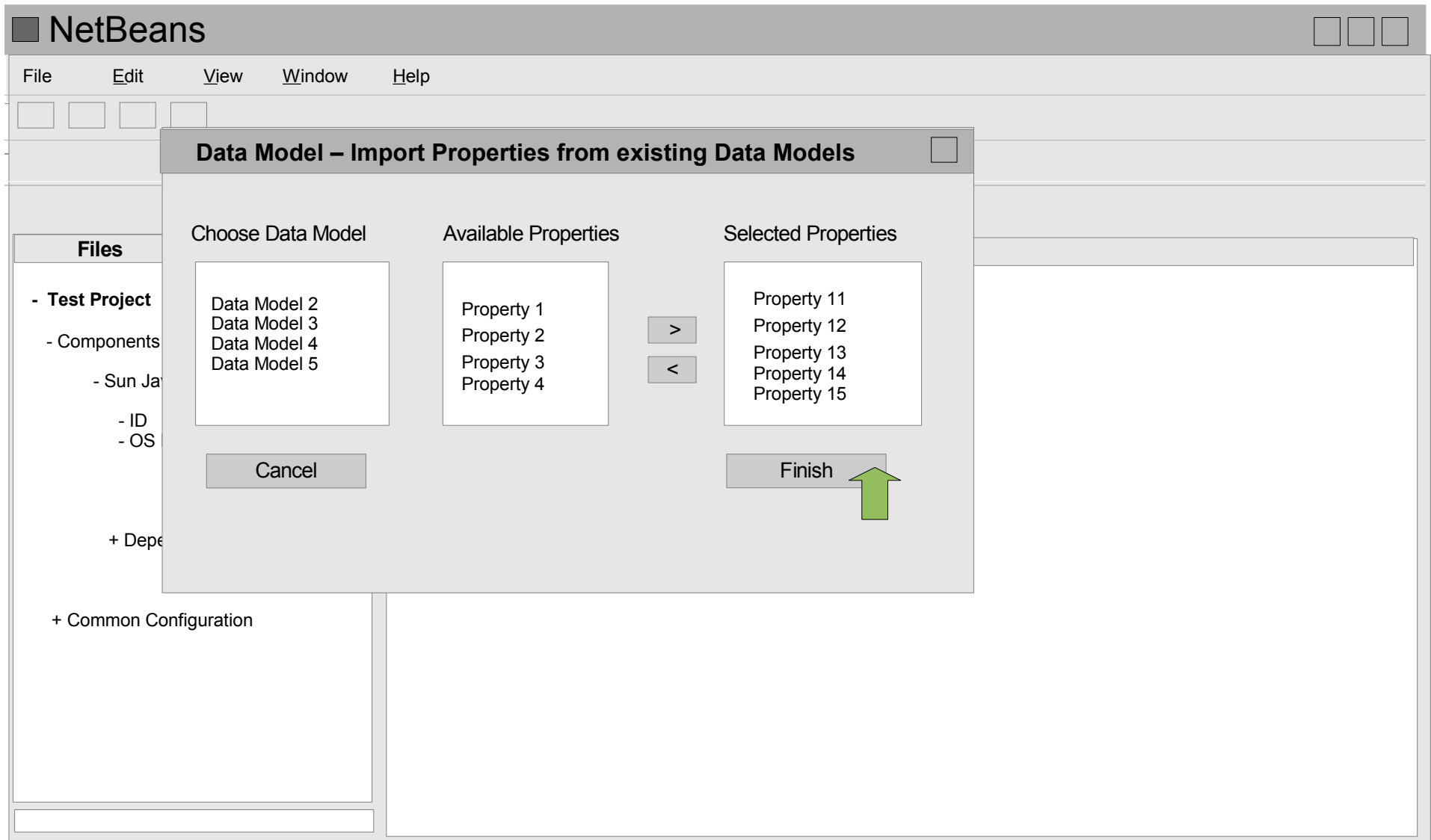
A Data Model can have multiple Panel Views.

User needs to see Data Models and their corresponding Panel View together. (Config Profile Eg. AS EE, AS PE)

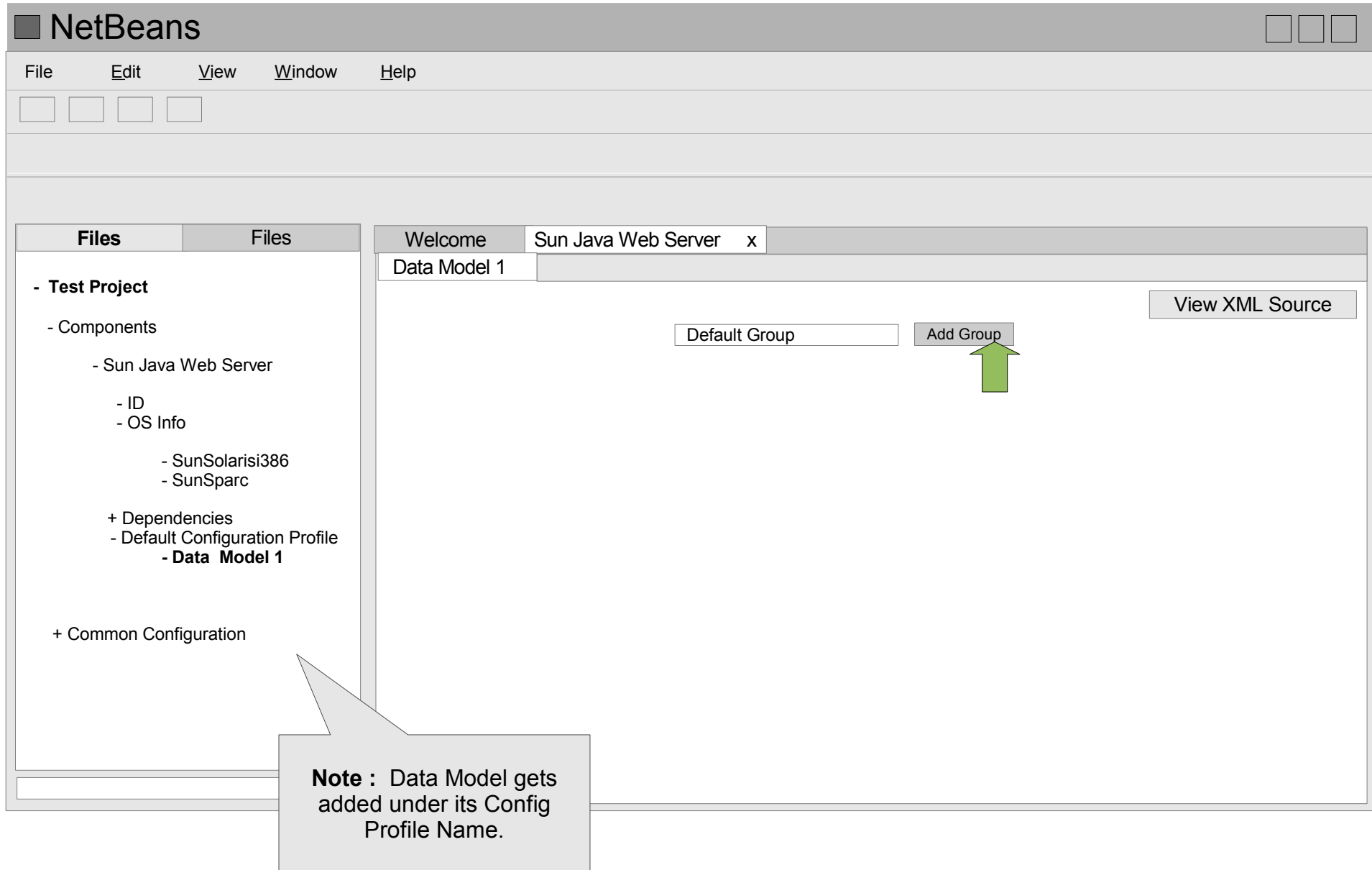
A Config Profile can have multiple Data Models and their corresponding (multiple Panel Views)

A Data Model can be shared across Components

New Data Model



New Data Model – Add Data



NetBeans

File Edit View Window Help

Files Files Welcome Sun Java Web Server x

Data Model 1

View XML Source

Default Group Add Group

Note : Data Model gets added under its Config Profile Name.

New Data Model – Add Data

NetBeans

File Edit View Window Help

Files Files

- Test Project
 - Components
 - Sun Java Web Server
 - ID
 - OS Info
 - SunSolarisi386
 - SunSparc
 - + Dependencies
 - Default Configuration Profile
 - **Data Model 1**
 - + Common Configuration

Welcome Sun Java Web Server x

Data Model 1

View XML Source

Add Group

Selected Properties

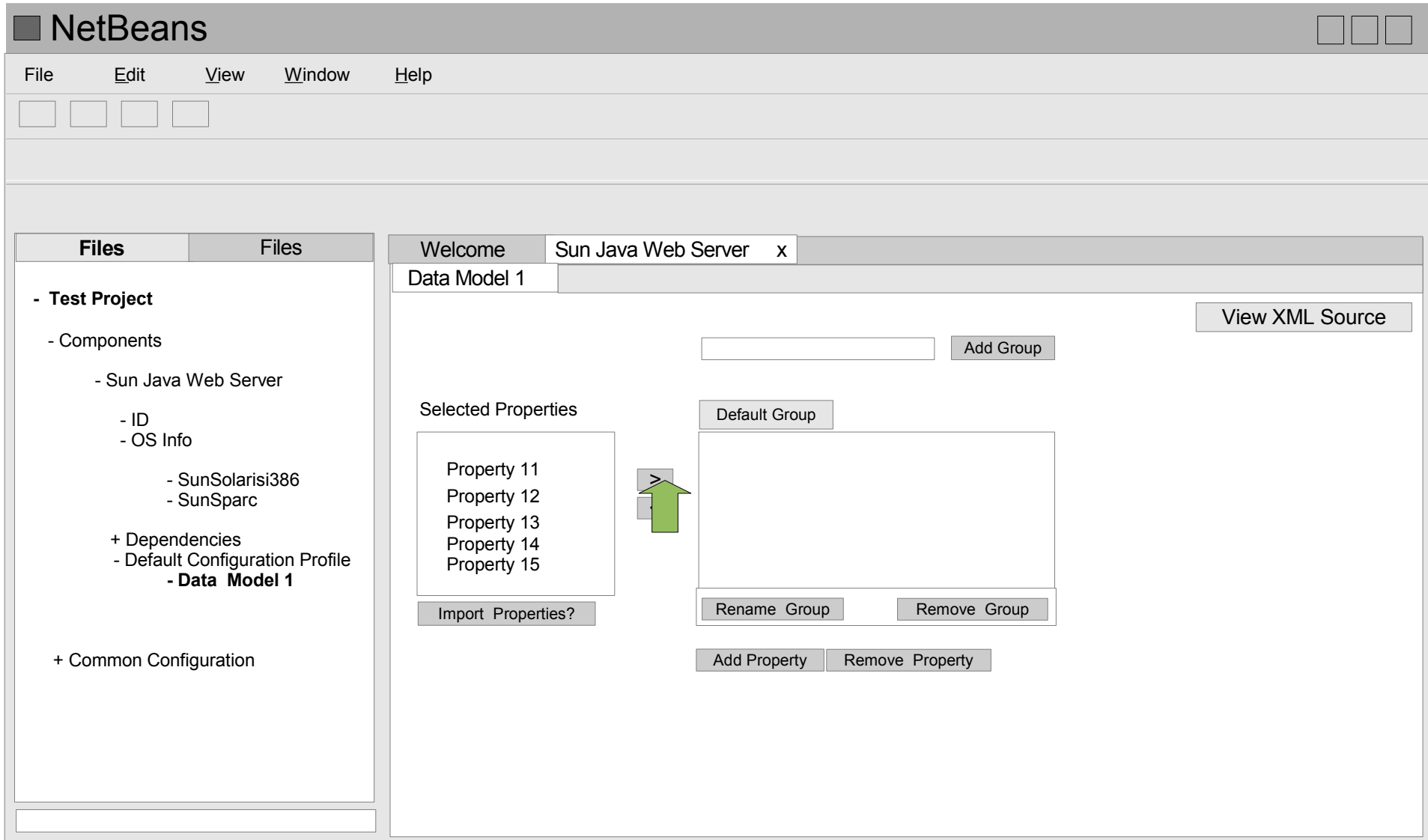
Property 11
Property 12
Property 13
Property 14
Property 15

Import Properties?

Default Group

Rename Group Remove Group

Add Property Remove Property



New Data Model – Add Data

NetBeans

File Edit View Window Help

Files Files

- Test Project
 - Components
 - Sun Java Web Server
 - ID
 - OS Info
 - SunSolarisi386
 - SunSparc
 - + Dependencies
 - Default Configuration Profile
 - **Data Model 1**
 - + Common Configuration

Welcome Sun Java Web Server x

Data Model 1

View XML Source

Attributes x

Label 1

Label 2

Label 3

Label 4

Label 5

Label 6

Label 7

Label 8

Label 9

Label 10

Selected Properties

Property 13

Property 14

Property 15

>

<

Default Group

Property 11

Property 12

↑

Add Group

Rename Group

Remove Group

Add Property

Remove Property

New Data Model – Add Data

NetBeans

File Edit View Window Help

Files Files

- Test Project
 - Components
 - Sun Java Web Server
 - ID
 - OS Info
 - SunSolarisi386
 - SunSparc
 - + Dependencies
 - Default Configuration Profile
 - **Data Model 1**
 - + Common Configuration

Welcome Sun Java Web Server x

Data Model 1

View XML Source

Attributes x

Label 1

Label 2

Label 3

Label 4

Label 5

Label 6

Label 7

Label 8

Label 9

Label 10

Selected Properties

Property 13

Property 14

Property 15

>

<

Default Group

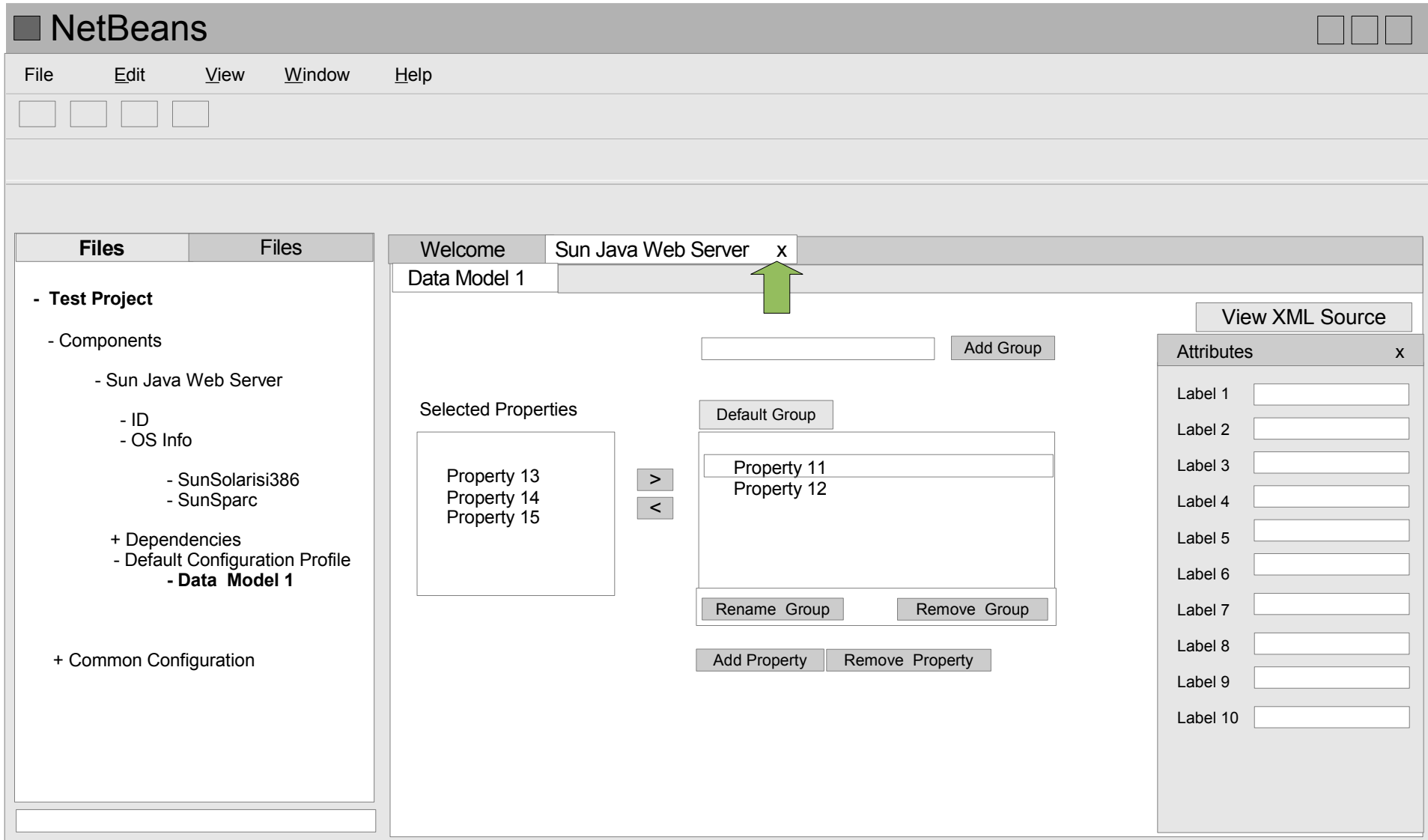
Property 11

Property 12

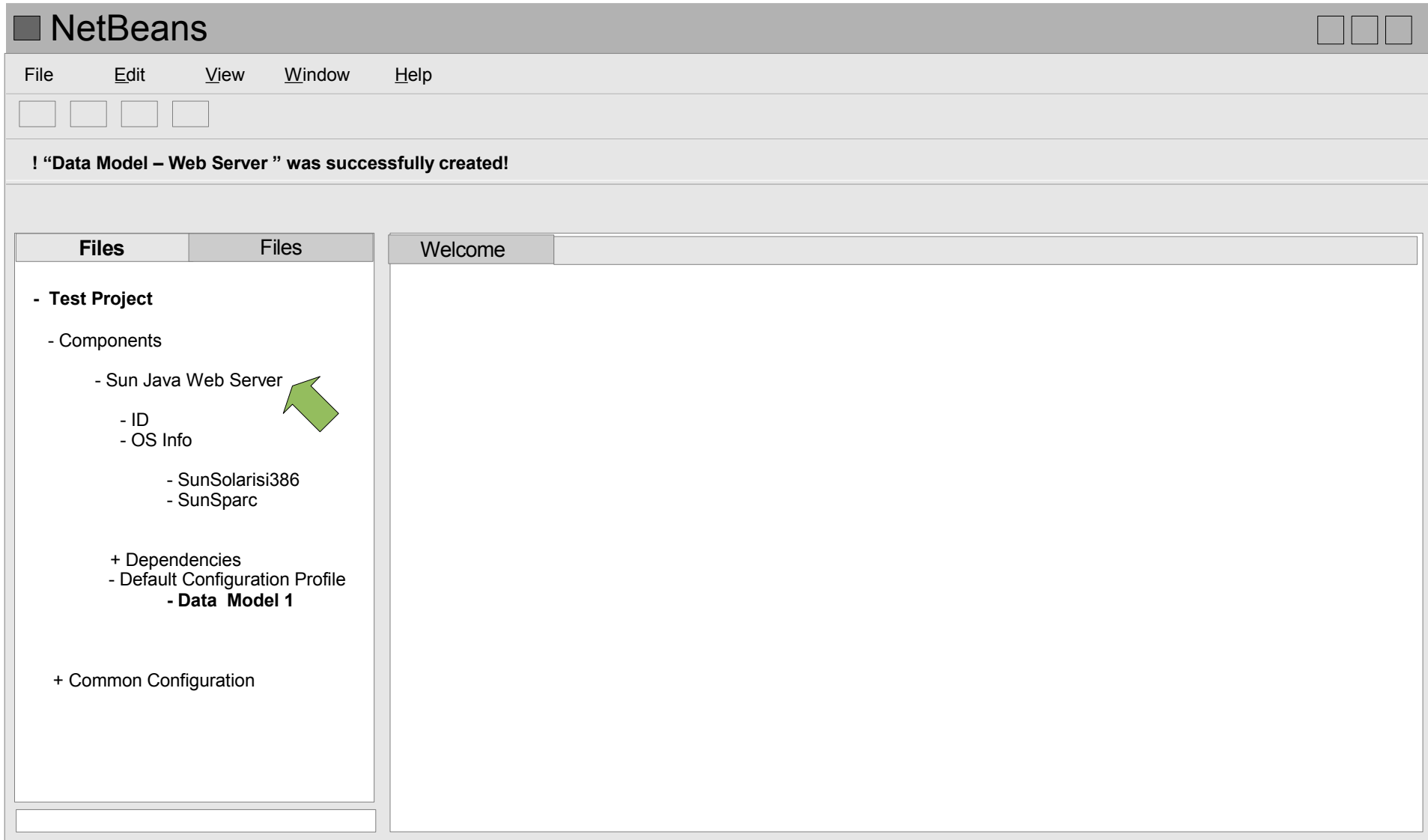
Rename Group Remove Group

Add Property Remove Property

Add Group



New Data Model




NetBeans

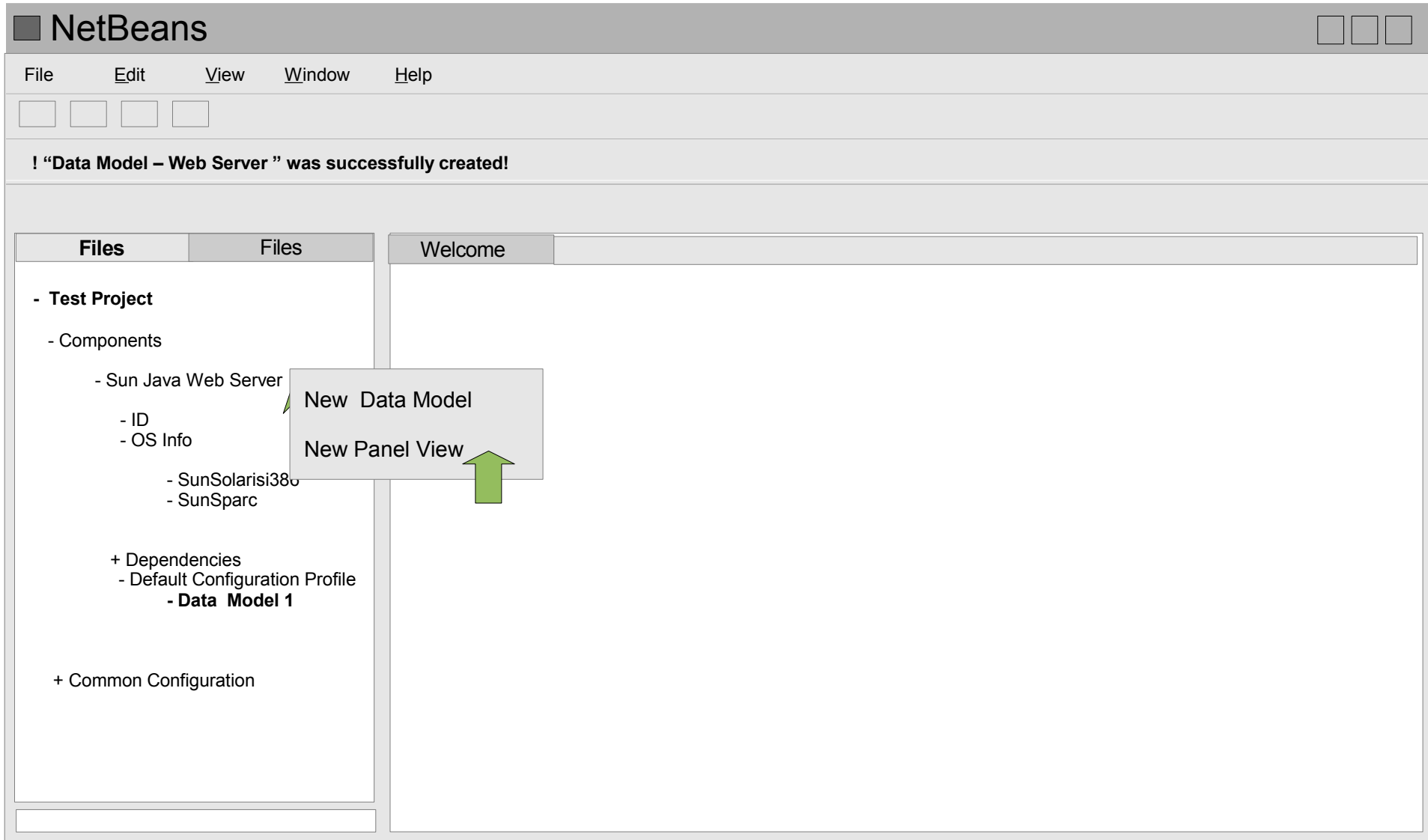
File Edit View Window Help

! "Data Model – Web Server " was successfully created!

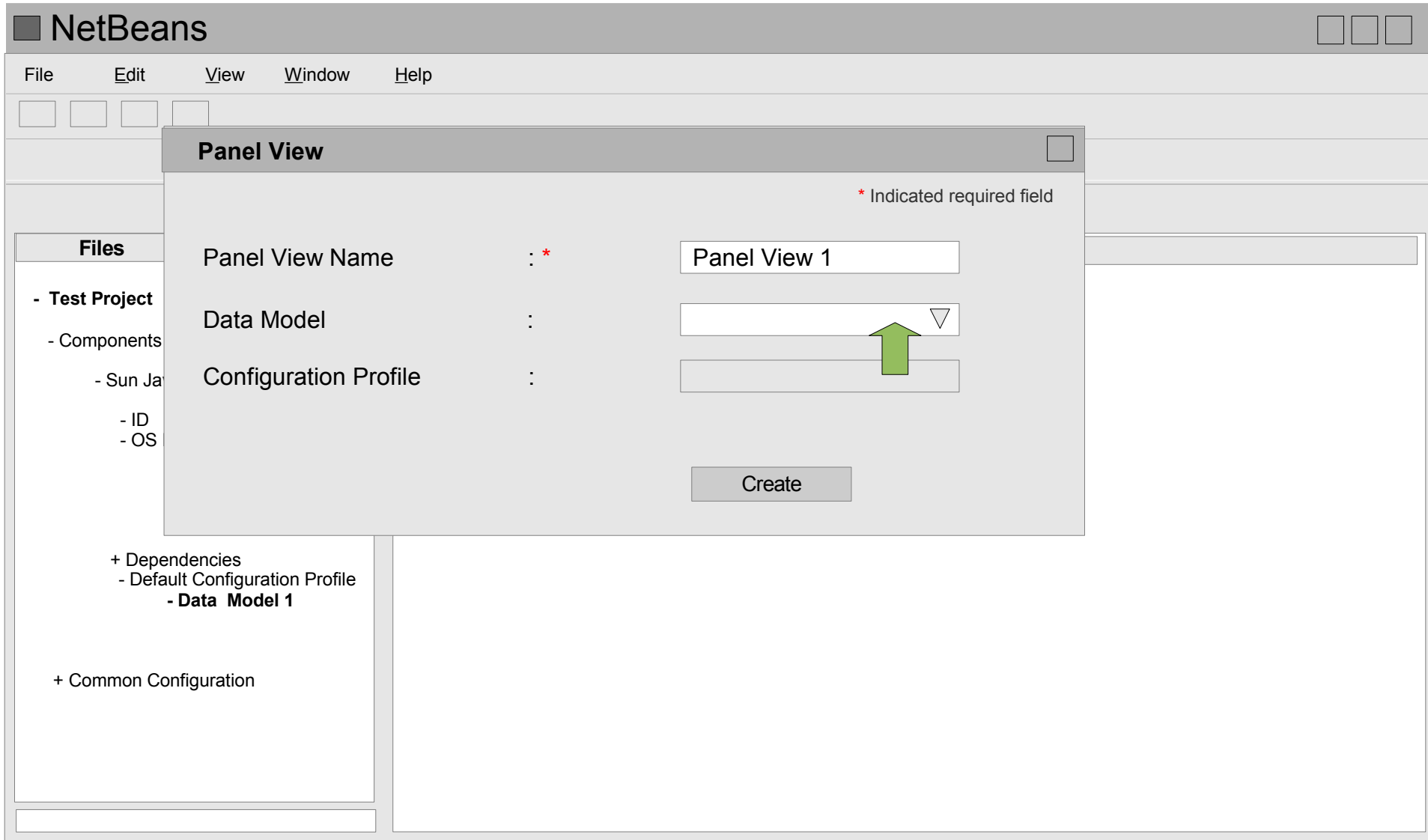
Files Files Welcome

- Test Project
 - Components
 - Sun Java Web Server 
 - ID
 - OS Info
 - SunSolarisi386
 - SunSparc
 - + Dependencies
 - Default Configuration Profile
 - **Data Model 1**
- + Common Configuration

New Panel View



New Panel View



NetBeans

File Edit View Window Help

Panel View

* Indicated required field

Panel View Name : *

Data Model : ▼

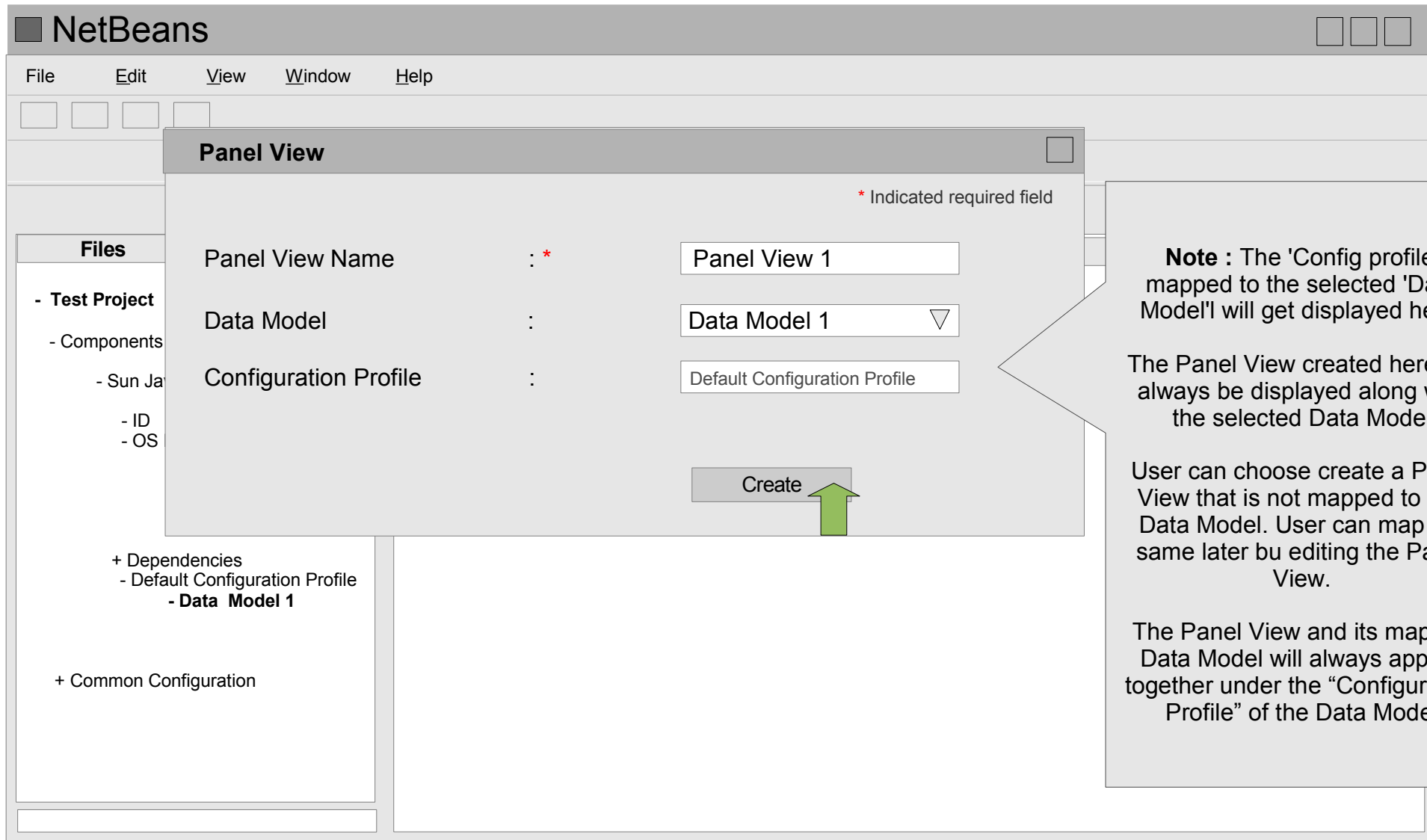
Configuration Profile :

Create

Files

- Test Project
- Components
 - Sun Java
 - ID
 - OS
 - + Dependencies
 - Default Configuration Profile
 - **Data Model 1**
- + Common Configuration

New Panel View



Panel View

* Indicated required field

Panel View Name : *

Data Model :

Configuration Profile :

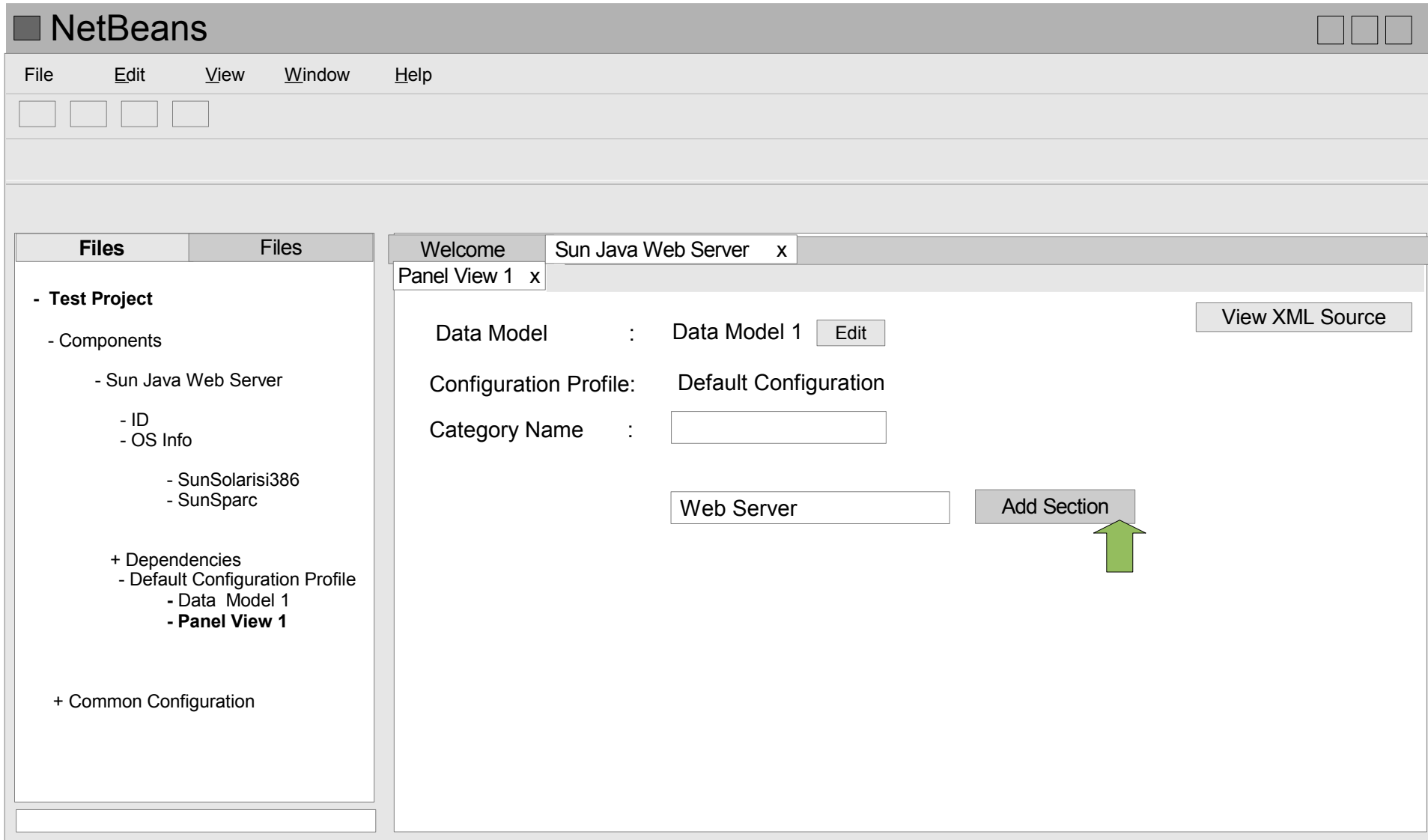
Note : The 'Config profile' mapped to the selected 'Data Model' will get displayed here.

The Panel View created here will always be displayed along with the selected Data Model

User can choose create a Panel View that is not mapped to any Data Model. User can map the same later bu editing the Panel View.

The Panel View and its mapped Data Model will always appear together under the "Configuration Profile" of the Data Model

New Panel View – Add Sections



The screenshot shows the NetBeans IDE interface. On the left is the 'Files' view showing a project structure:

- Test Project
 - Components
 - Sun Java Web Server
 - ID
 - OS Info
 - SunSolarisi386
 - SunSparc
 - + Dependencies
 - Default Configuration Profile
 - Data Model 1
 - **Panel View 1**
 - + Common Configuration

The main editor area shows the configuration for 'Panel View 1' under the 'Sun Java Web Server' project. It includes the following fields and buttons:

- Data Model : Data Model 1
- Configuration Profile: Default Configuration
- Category Name :
-
-

A green arrow points to the 'Add Section' button.

New Panel View – Add Sections

The screenshot shows the NetBeans IDE interface. On the left is the 'Files' view showing a project structure with 'Sun Java Web Server' and its components. The main editor area shows the configuration for 'Panel View 1'. It includes fields for 'Data Model' (Data Model 1), 'Configuration Profile' (Default Configuration), and 'Category Name'. Below these are 'Available Properties' (Property 1-6) and a 'Web Server' section. A green arrow points to the 'Add Section' button. A callout box at the bottom left asks 'Is this feature reqd?'.

NetBeans

File Edit View Window Help

Files Files

Test Project

- Components
 - Sun Java Web Server
 - ID
 - OS Info
 - SunSolarisi386
 - SunSparc
 - + Dependencies
 - Default Configuration Profile
 - Data Model 1
 - **Panel View 1**
 - + Common Configuration

Welcome Sun Java Web Server x

Panel View 1 x

Data Model : Data Model 1 Edit View XML Source

Configuration Profile: Default Configuration

Category Name :

Add Section

Available Properties

- Property 1
- Property 2
- Property 3
- Property 4
- Property 5
- Property 6

Web Server

Preview Rename Section Remove Section

Add Property Remove Property

Import?

Is this feature reqd?,

New Panel View – Preview

NetBeans

File Edit View Window Help

Files Files

- Test Project
 - Components
 - Sun Java Web Server
 - ID
 - OS Info
 - SunSolarisi386
 - SunSparc
 - + Dependencies
 - Default Configuration Profile
 - Data Model 1
 - **Panel View 1**
 - + Common Configuration

Welcome Sun Java Web Server x

Panel View 1 x

Data Model : Data Model 1

Configuration Profile: Default Configuration


Category Name :

Available Properties

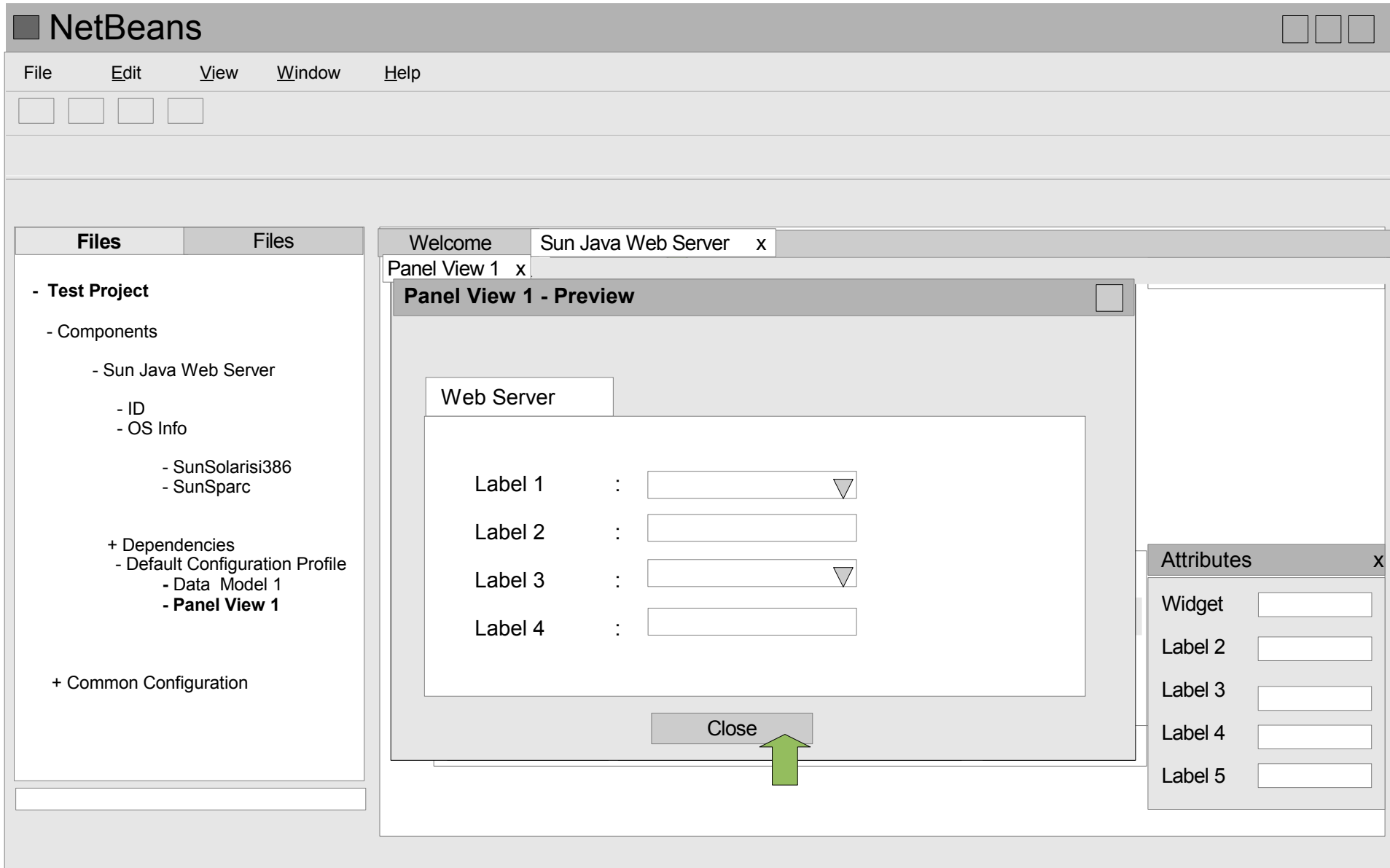
- Property 2
- Property 3
- Property 4
- Property 5
- Property 6

Attributes x

- Widget
- Label 2
- Label 3
- Label 4
- Label 5

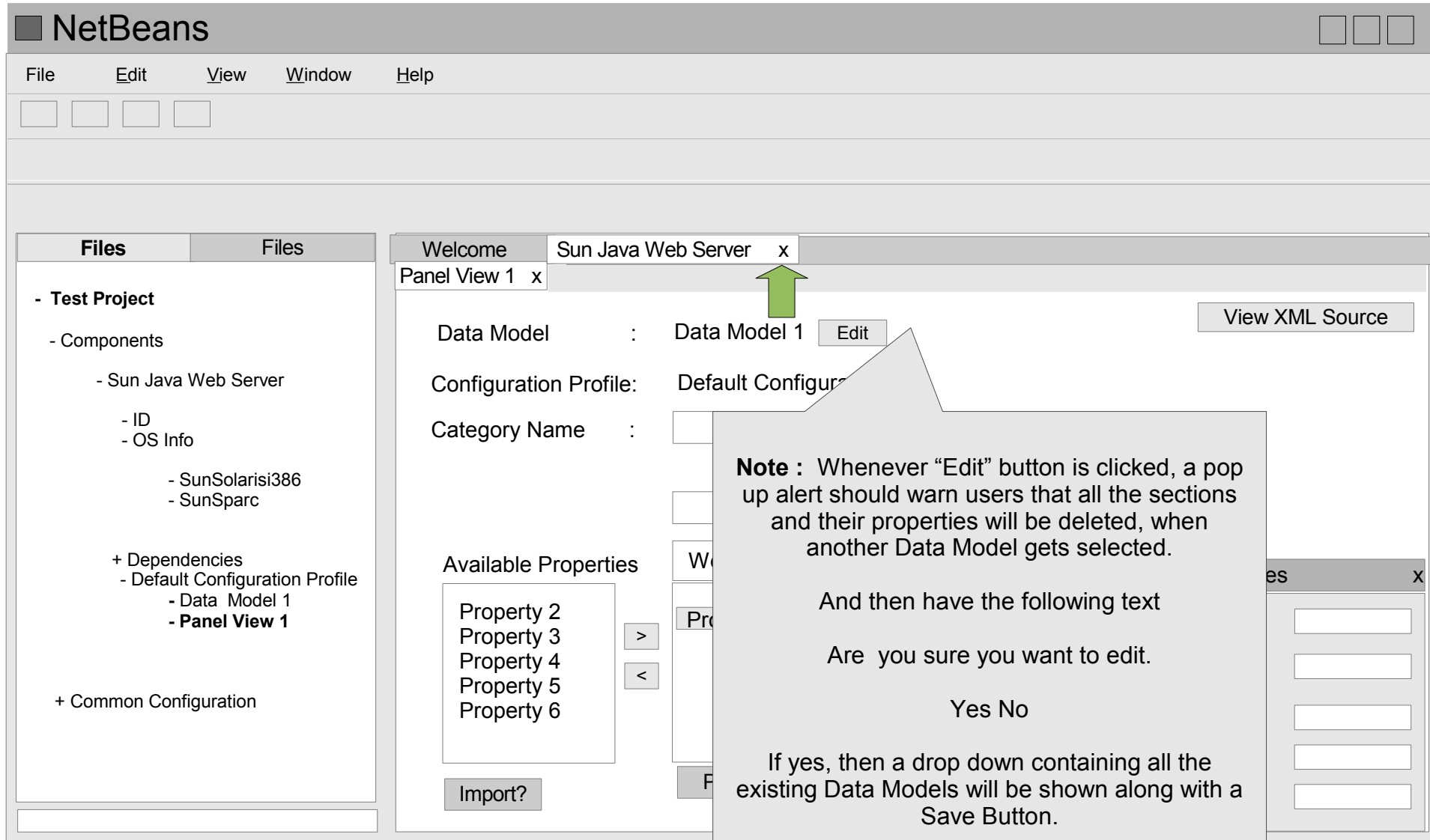


New Panel View – Add Sections



The screenshot shows the NetBeans IDE interface. On the left is the 'Files' view showing a project structure for 'Sun Java Web Server' with a 'Panel View 1' component. The main workspace shows a 'Web Server' component with a 'Panel View 1 - Preview' dialog box open. The dialog contains a 'Web Server' section with four labels and input fields: 'Label 1' (with a dropdown arrow), 'Label 2', 'Label 3' (with a dropdown arrow), and 'Label 4'. A 'Close' button is at the bottom of the dialog, with a green arrow pointing to it. On the right, an 'Attributes' view is visible, listing 'Widget', 'Label 2', 'Label 3', 'Label 4', and 'Label 5' with corresponding input fields.

New Panel View – Add Sections



Files

- Test Project
 - Components
 - Sun Java Web Server
 - ID
 - OS Info
 - SunSolarisi386
 - SunSparc
 - + Dependencies
 - Default Configuration Profile
 - Data Model 1
 - **Panel View 1**
 - + Common Configuration

Configuration:

Data Model : Data Model 1

Configuration Profile: Default Configuration

Category Name :

Available Properties

- Property 2
- Property 3
- Property 4
- Property 5
- Property 6

Note : Whenever “Edit” button is clicked, a pop up alert should warn users that all the sections and their properties will be deleted, when another Data Model gets selected.

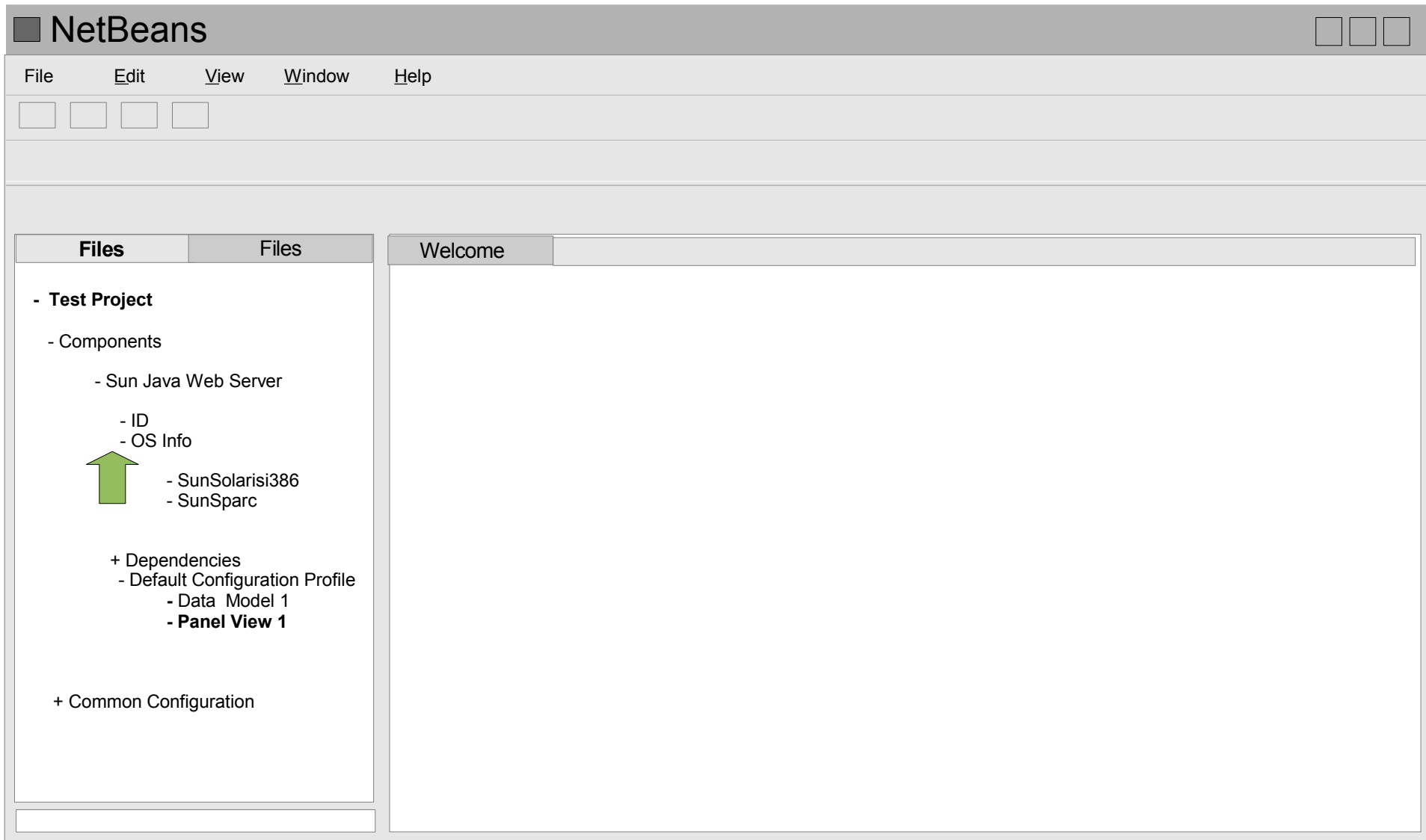
And then have the following text

Are you sure you want to edit.

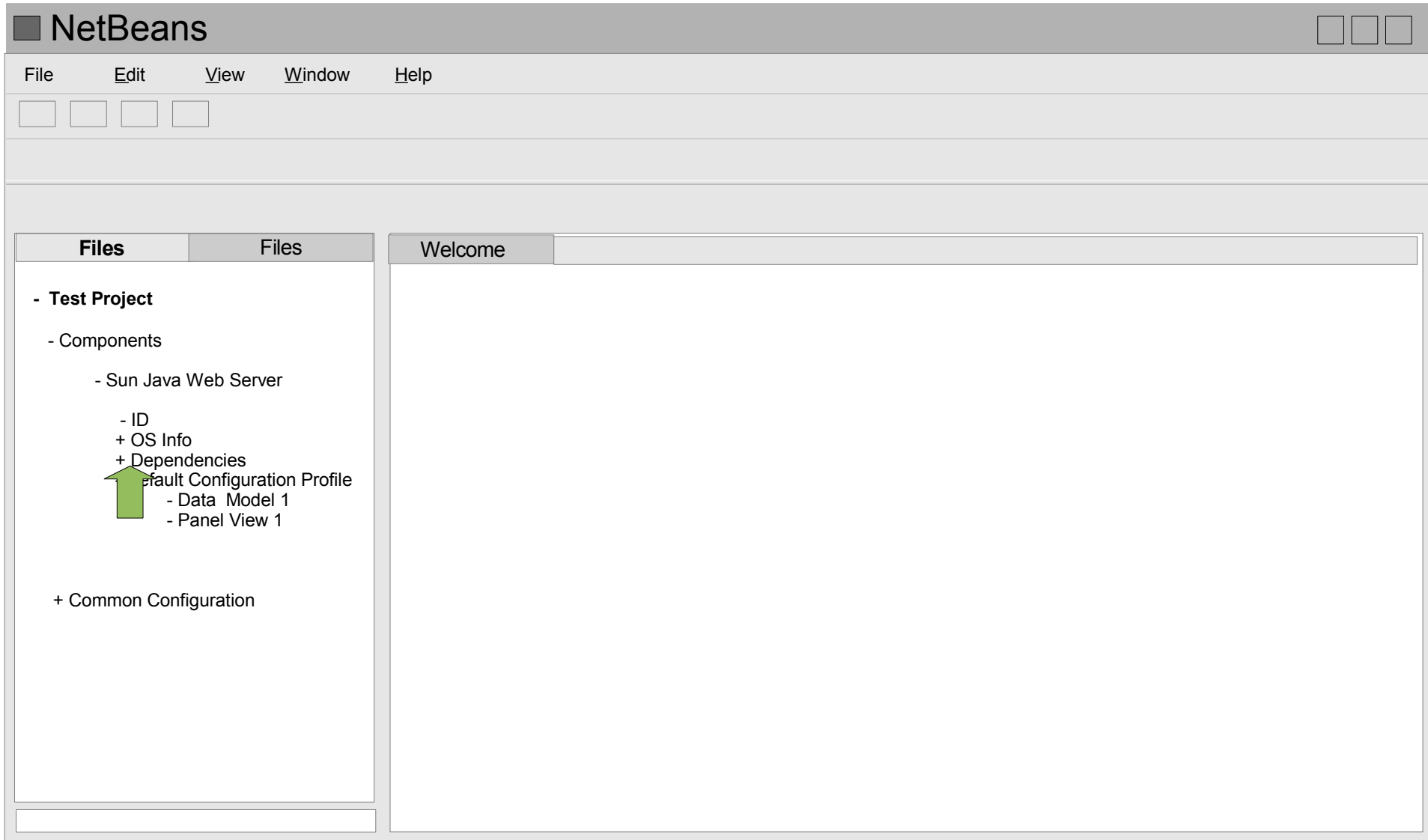
Yes No

If yes, then a drop down containing all the existing Data Models will be shown along with a Save Button.

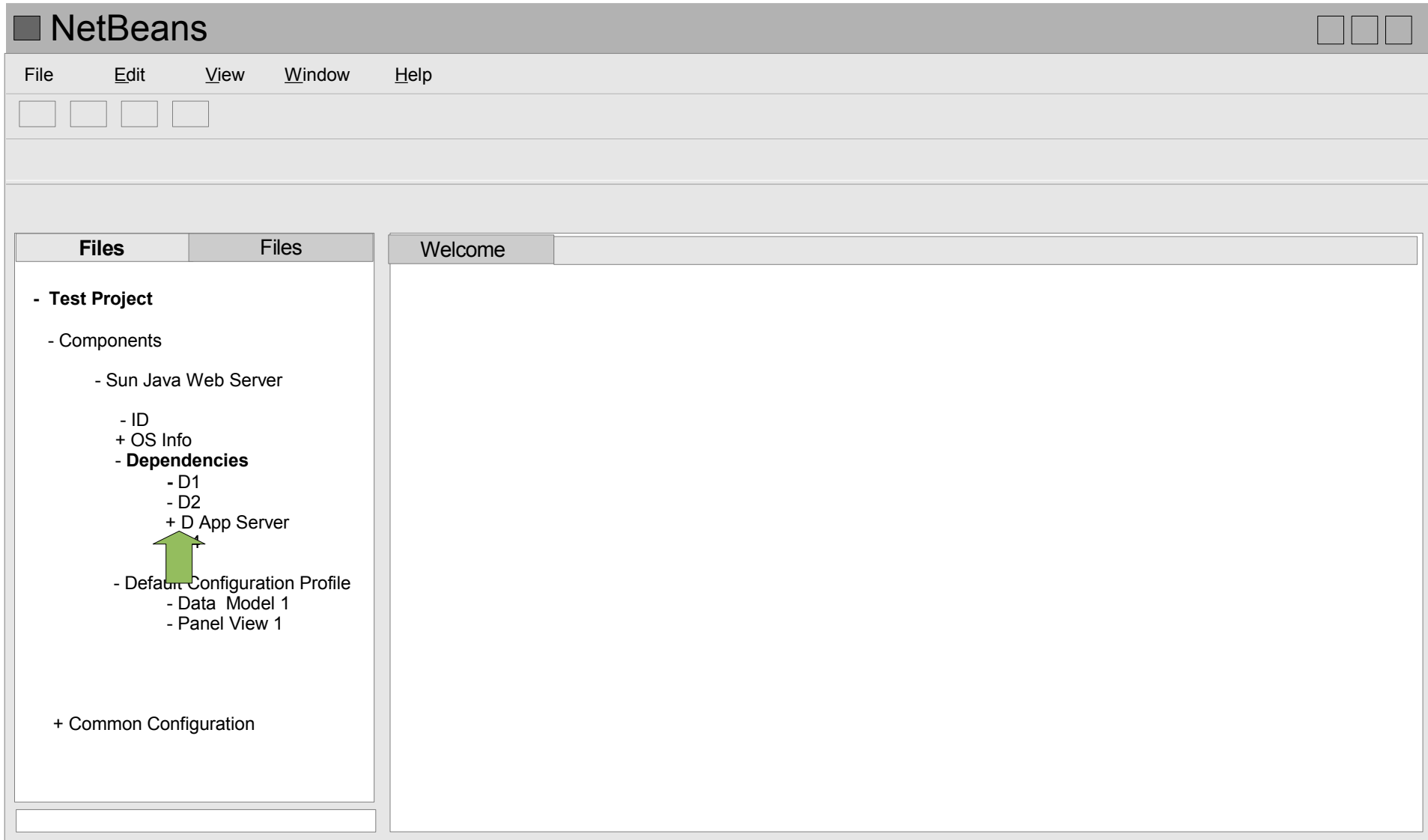
Minimize OS Info



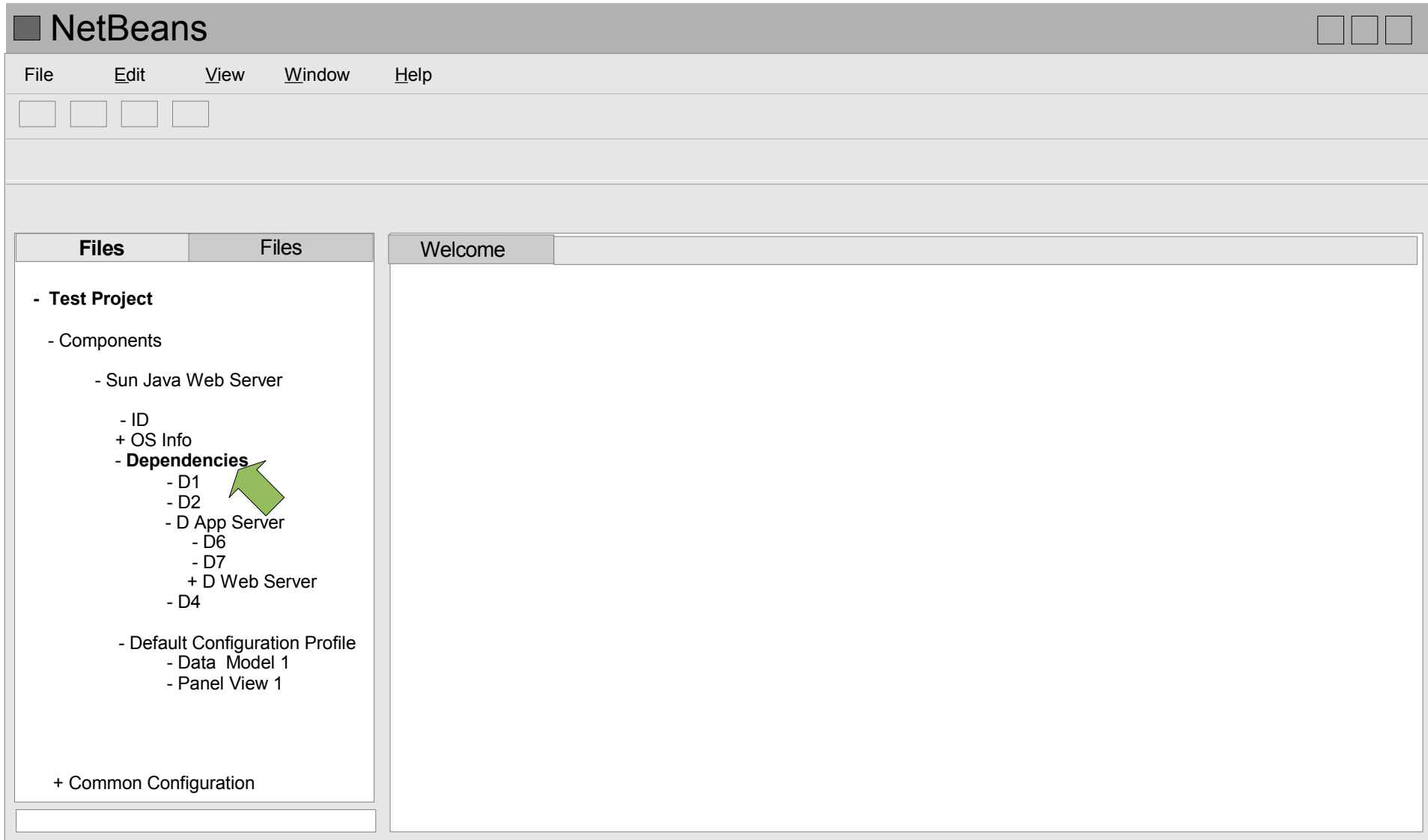
Dependencies



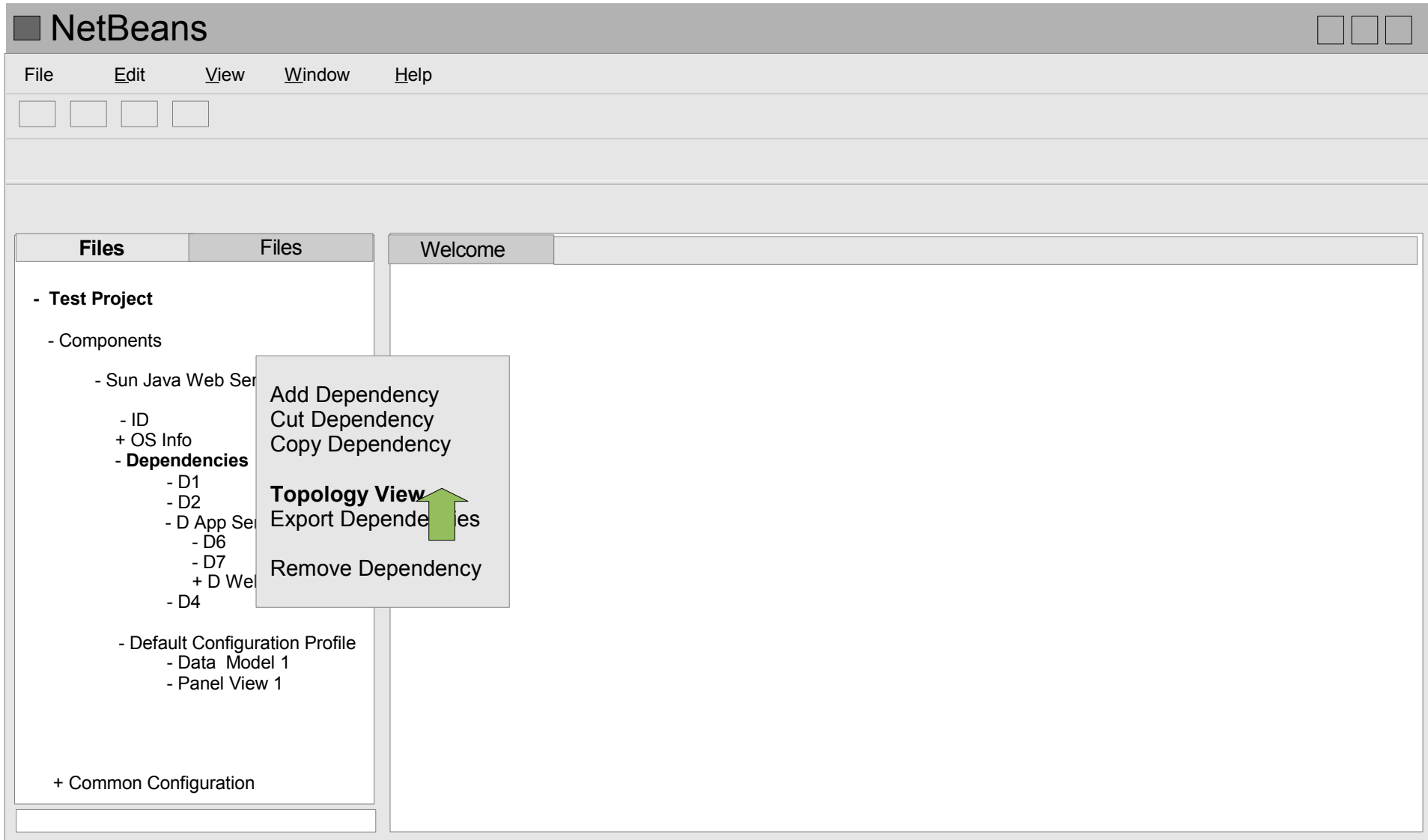
Dependencies



Dependencies



Dependencies



NetBeans

File Edit View Window Help

Files Files Welcome

- Test Project
 - Components
 - Sun Java Web Ser
 - ID
 - + OS Info
 - **Dependencies**
 - D1
 - D2
 - D App Ser
 - D6
 - D7
 - + D Wel
 - D4
 - Default Configuration Profile
 - Data Model 1
 - Panel View 1

- + Common Configuration

Add Dependency
 Cut Dependency
 Copy Dependency
Topology View ↑
 Export Dependencies
 Remove Dependency

Dependencies – Topology View

NetBeans

File Edit View Window Help

Files Files

- Test Project
 - Components
 - Sun Java Web Server
 - ID
 - + OS Info
 - Dependencies
 - D1
 - D2
 - D App Server
 - D6
 - D7
 - + D Web Server
 - D4
 - Default Configuration Profile
 - Data Model 1
 - Panel View 1

- + Common Configuration

Welcome Sun Java Web Server x

Dependencies-Topology View Dependencies-Tree View

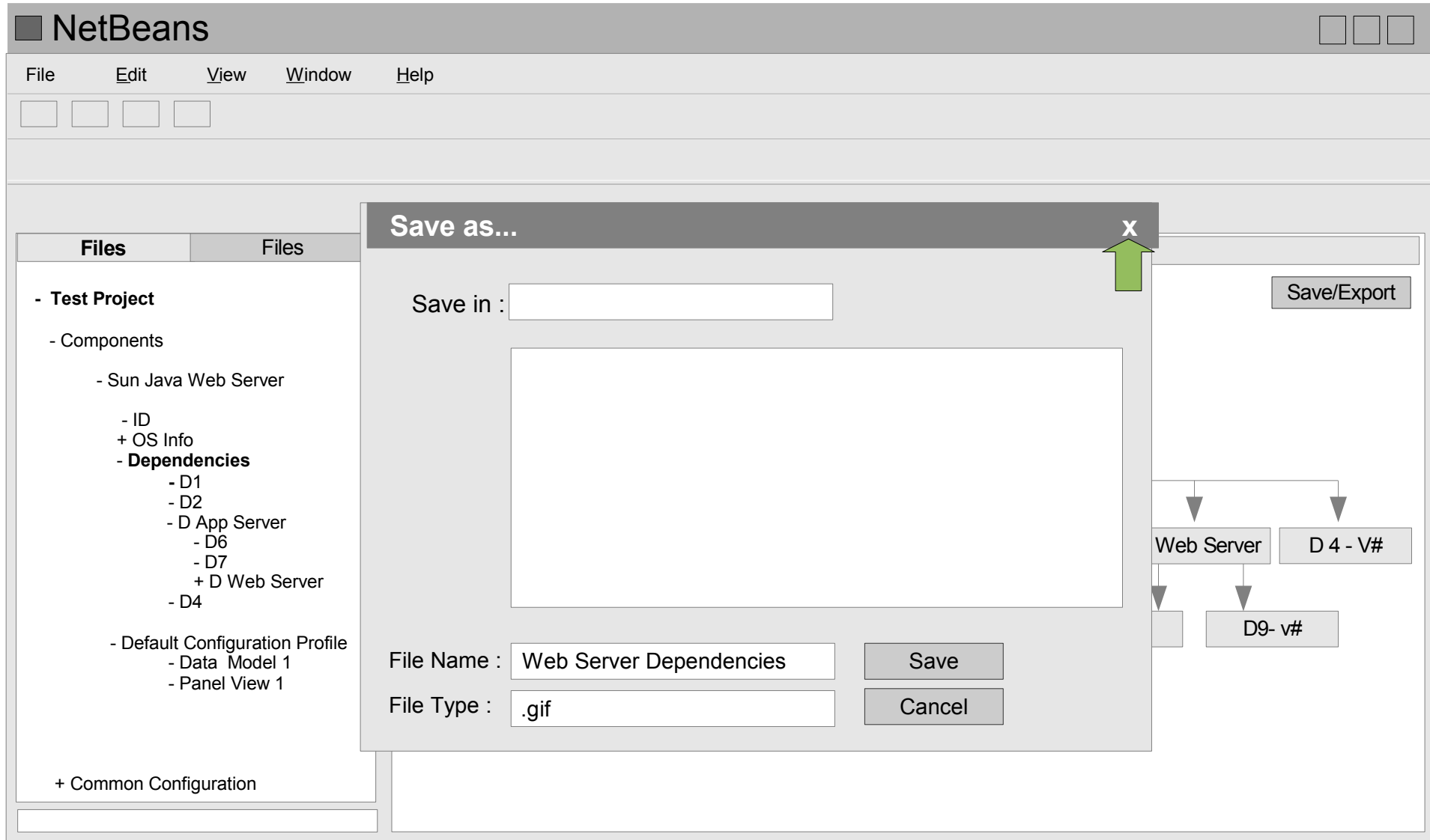
Click on a Node to Add, Edit or Delete

+ Expand All - Collapse All Save/Export

```

graph TD
    A[Sun Java Web Server] --> B[D1 -Version #]
    A --> C[D2- V#]
    A --> D[D App Server]
    D --> E[D6- V#]
    D --> F[D7- V#]
    D --> G[D Web Server]
    D --> H[D 4 - V#]
    G --> I[D8- V#]
    G --> J[D9- v#]
  
```

Save Dependencies



The screenshot shows the NetBeans IDE interface. A 'Save as...' dialog box is open, centered over the project dependency tree. The dialog has a title bar with a close button (X) and a green arrow pointing to it. The dialog contains the following fields and buttons:

- Save in :** An empty text field.
- File Name :** A text field containing 'Web Server Dependencies'.
- File Type :** A text field containing '.gif'.
- Buttons:** 'Save', 'Cancel', and 'Save/Export'.

The background shows a project dependency tree with the following structure:

- Test Project
 - Components
 - Sun Java Web Server
 - ID
 - + OS Info
 - Dependencies
 - D1
 - D2
 - D App Server
 - D6
 - D7
 - + D Web Server
 - D4
 - Default Configuration Profile
 - Data Model 1
 - Panel View 1
 - + Common Configuration

Dependencies – Topology View

NetBeans

File Edit View Window Help

Files Files

- Test Project
 - Components
 - Sun Java Web Server
 - ID
 - + OS Info
 - Dependencies
 - D1
 - D2
 - D App Server
 - D6
 - D7
 - + D Web Server
 - D4
 - Default Configuration Profile
 - Data Model 1
 - Panel View 1

- + Common Configuration

Welcome Sun Java Web Server x

Dependencies-Topology View Dependencies-Tree View

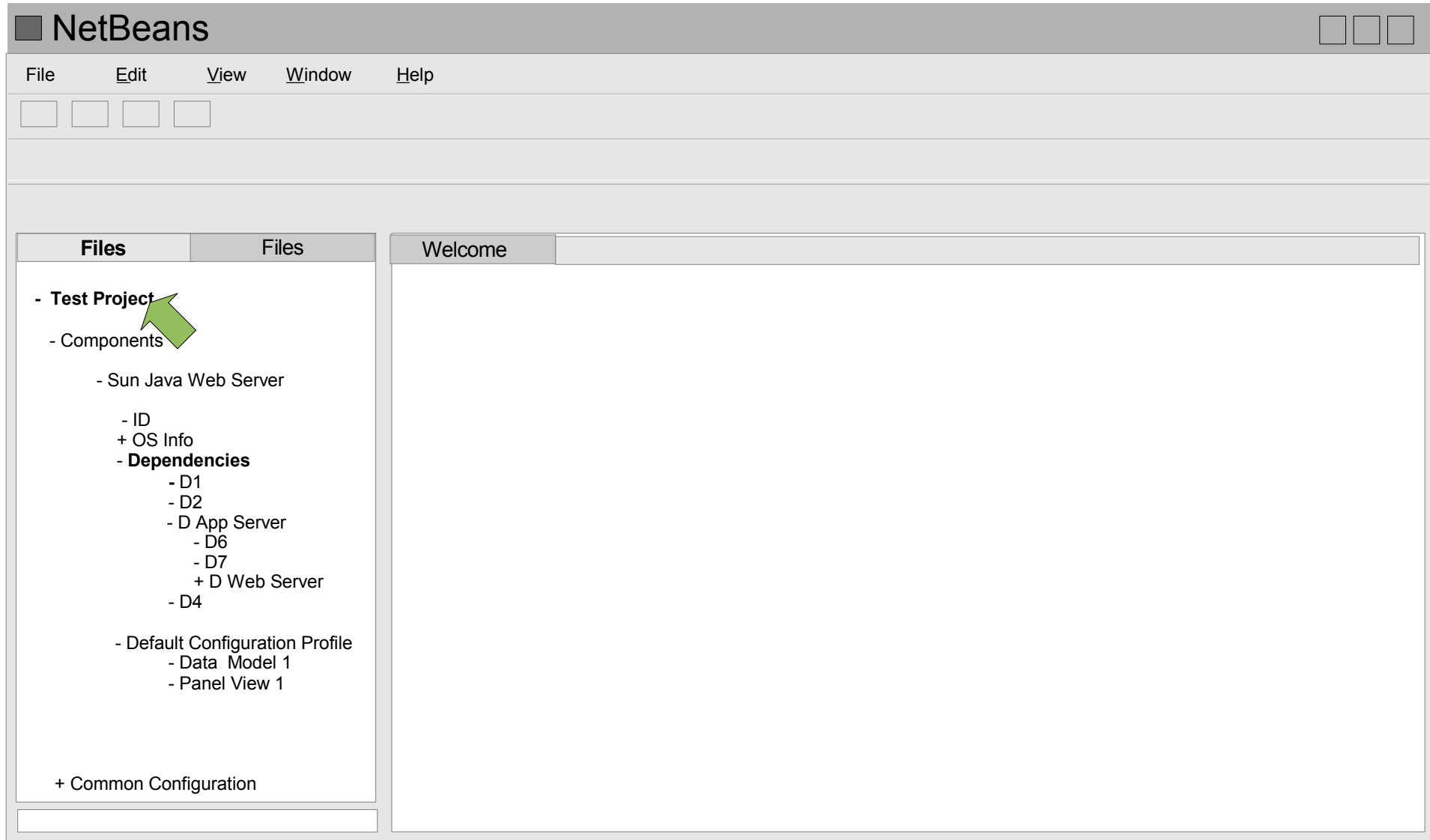
Click on a Node to Add, Edit or Delete

+ Expand All - Collapse All Save/Export

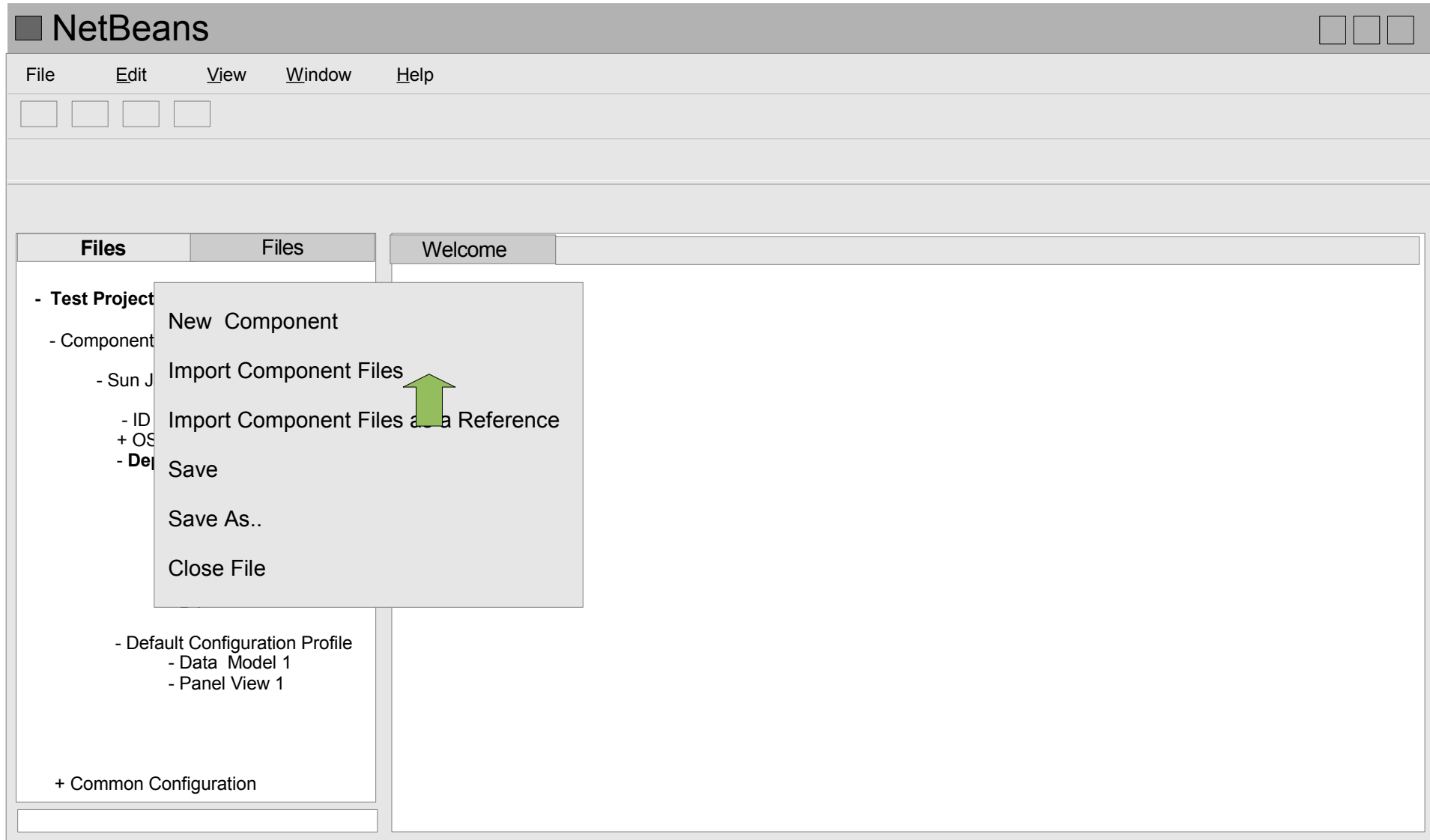
```

graph TD
    A["Sun Java Web Server"] --> B["D1 -Version #"]
    A --> C["D2- V#"]
    A --> D["D App Server"]
    D --> E["D6- V#"]
    D --> F["D7- V#"]
    D --> G["D Web Server"]
    D --> H["D 4 - V#"]
    G --> I["D8- V#"]
    G --> J["D9- v#"]
  
```

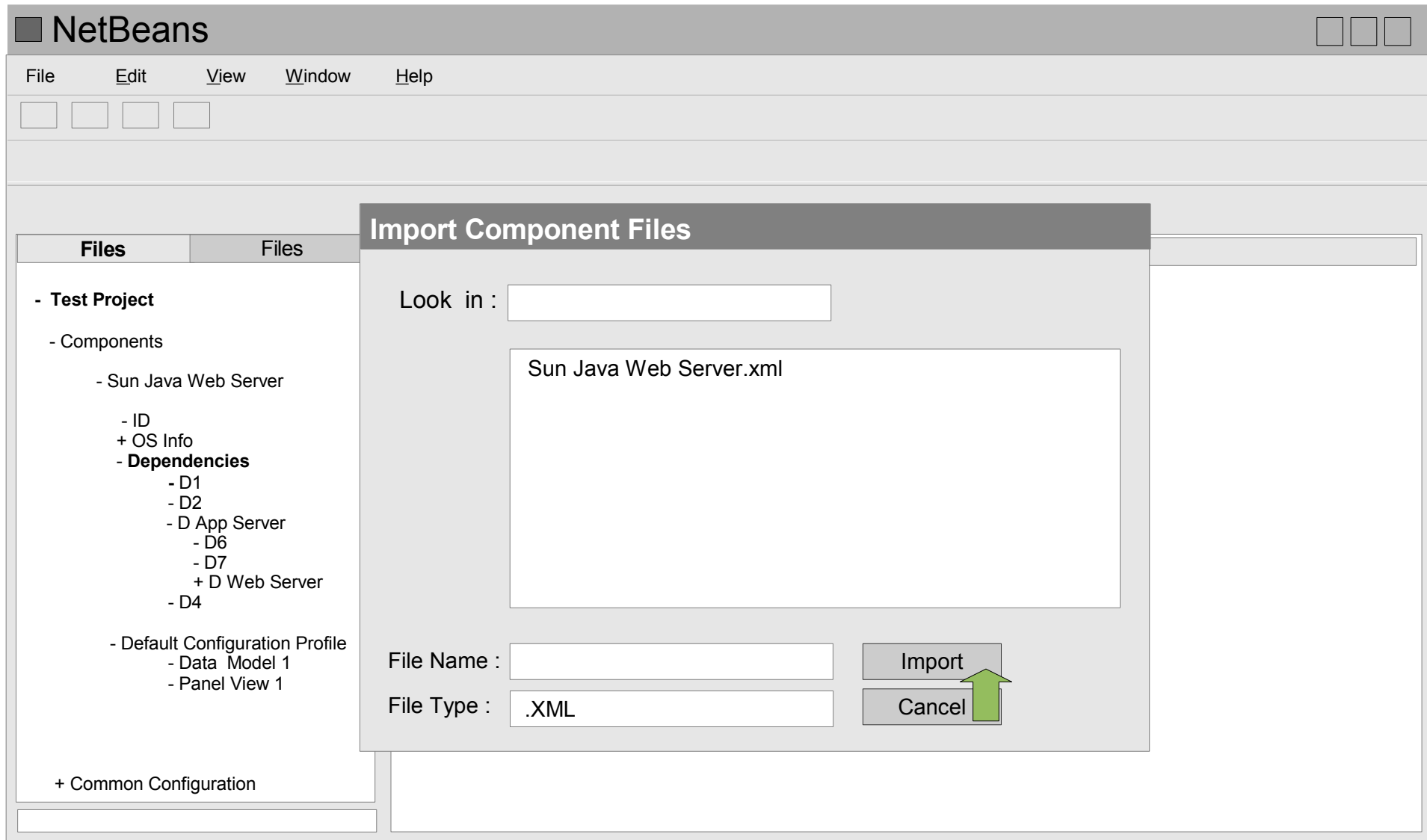

Import Component Files to a File



Import Component Files to a File



Import Component Files to a File



NetBeans

File Edit View Window Help

Files Files

- Test Project
 - Components
 - Sun Java Web Server
 - ID
 - + OS Info
 - Dependencies
 - D1
 - D2
 - D App Server
 - D6
 - D7
 - + D Web Server
 - D4
 - Default Configuration Profile
 - Data Model 1
 - Panel View 1

- + Common Configuration

Import Component Files

Look in :

Sun Java Web Server.xml

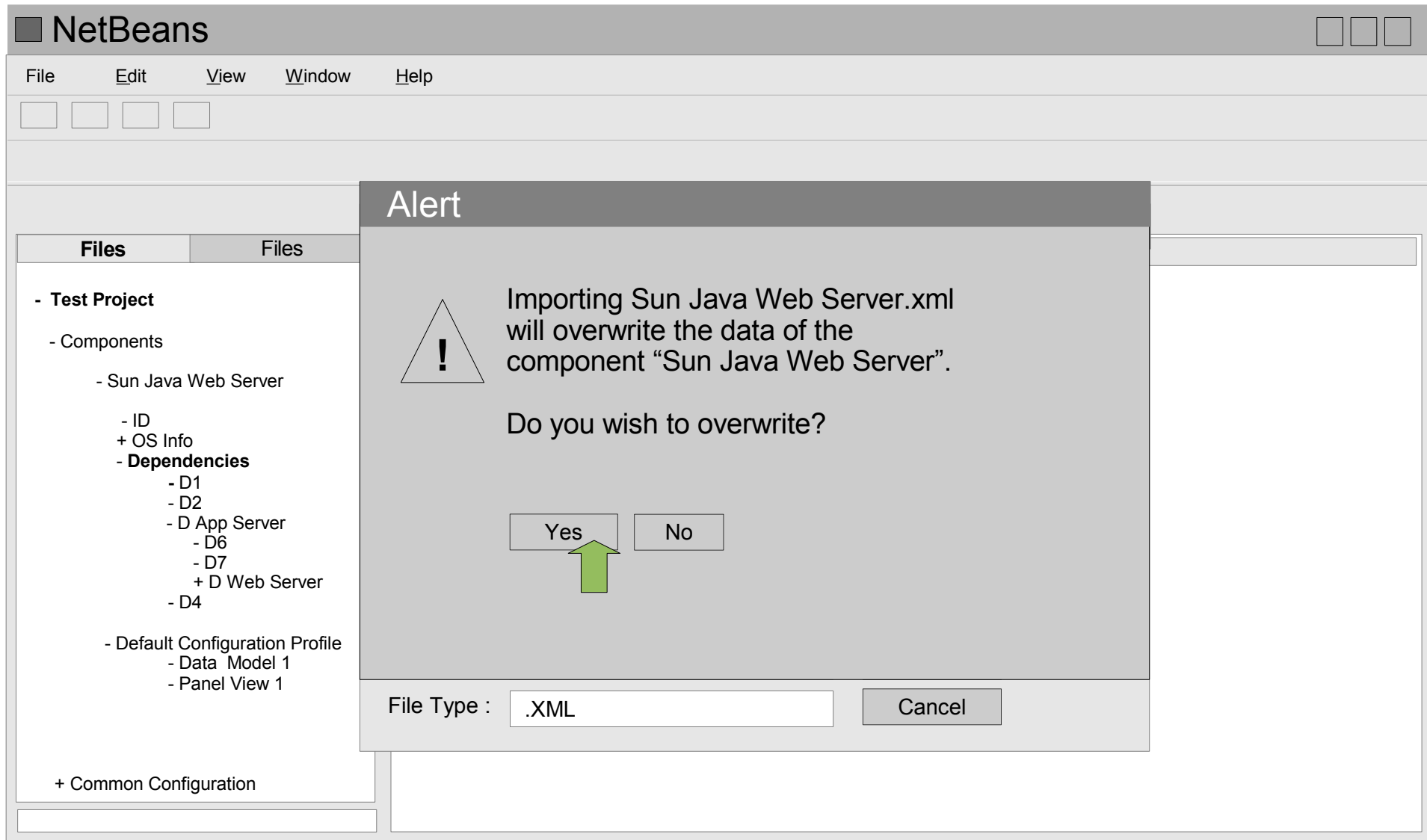
File Name :

File Type :

Import

Cancel

Import Component Files to a File



The screenshot shows the NetBeans IDE interface with an alert dialog box overlaid. The alert dialog has a title bar that says "Alert" and contains a warning icon (a triangle with an exclamation mark). The main text of the dialog reads: "Importing Sun Java Web Server.xml will overwrite the data of the component 'Sun Java Web Server'." Below this, it asks "Do you wish to overwrite?". There are two buttons: "Yes" and "No". A green arrow points to the "Yes" button. At the bottom of the dialog, there is a "File Type" field containing ".XML" and a "Cancel" button.

NetBeans

File Edit View Window Help

Files Files

- Test Project
 - Components
 - Sun Java Web Server
 - ID
 - + OS Info
 - Dependencies
 - D1
 - D2
 - D App Server
 - D6
 - D7
 - + D Web Server
 - D4
 - Default Configuration Profile
 - Data Model 1
 - Panel View 1

- + Common Configuration

Alert

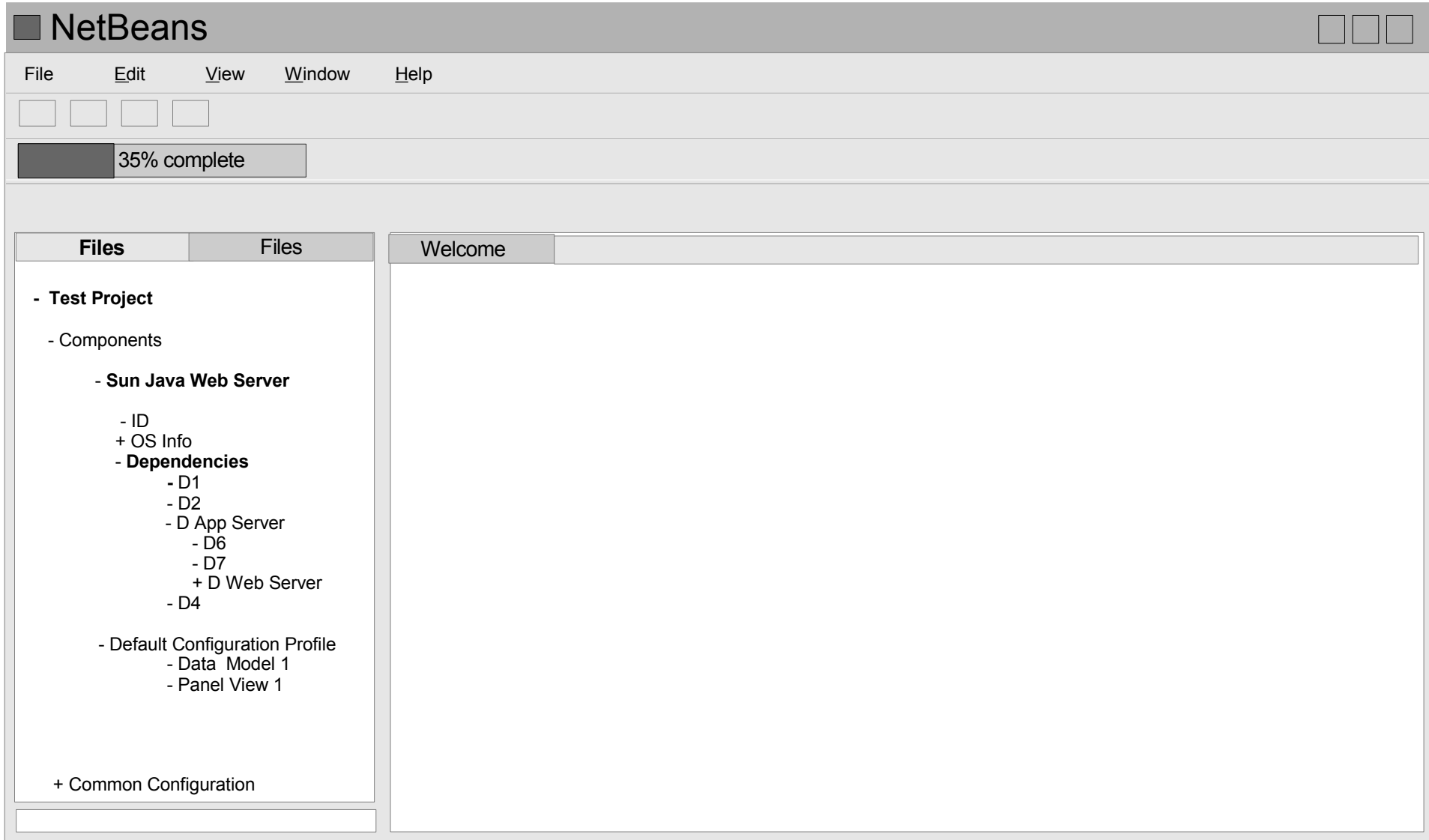
! Importing Sun Java Web Server.xml will overwrite the data of the component "Sun Java Web Server".

Do you wish to overwrite?

Yes No

File Type : .XML Cancel

System Response



NetBeans [] [] []

File Edit View Window Help

[] [] [] []

35% complete

Files	Files	Welcome
<ul style="list-style-type: none"> - Test Project - Components - Sun Java Web Server <ul style="list-style-type: none"> - ID + OS Info - Dependencies <ul style="list-style-type: none"> - D1 - D2 - D App Server <ul style="list-style-type: none"> - D6 - D7 + D Web Server - D4 - Default Configuration Profile <ul style="list-style-type: none"> - Data Model 1 - Panel View 1 		
+ Common Configuration		

System Response

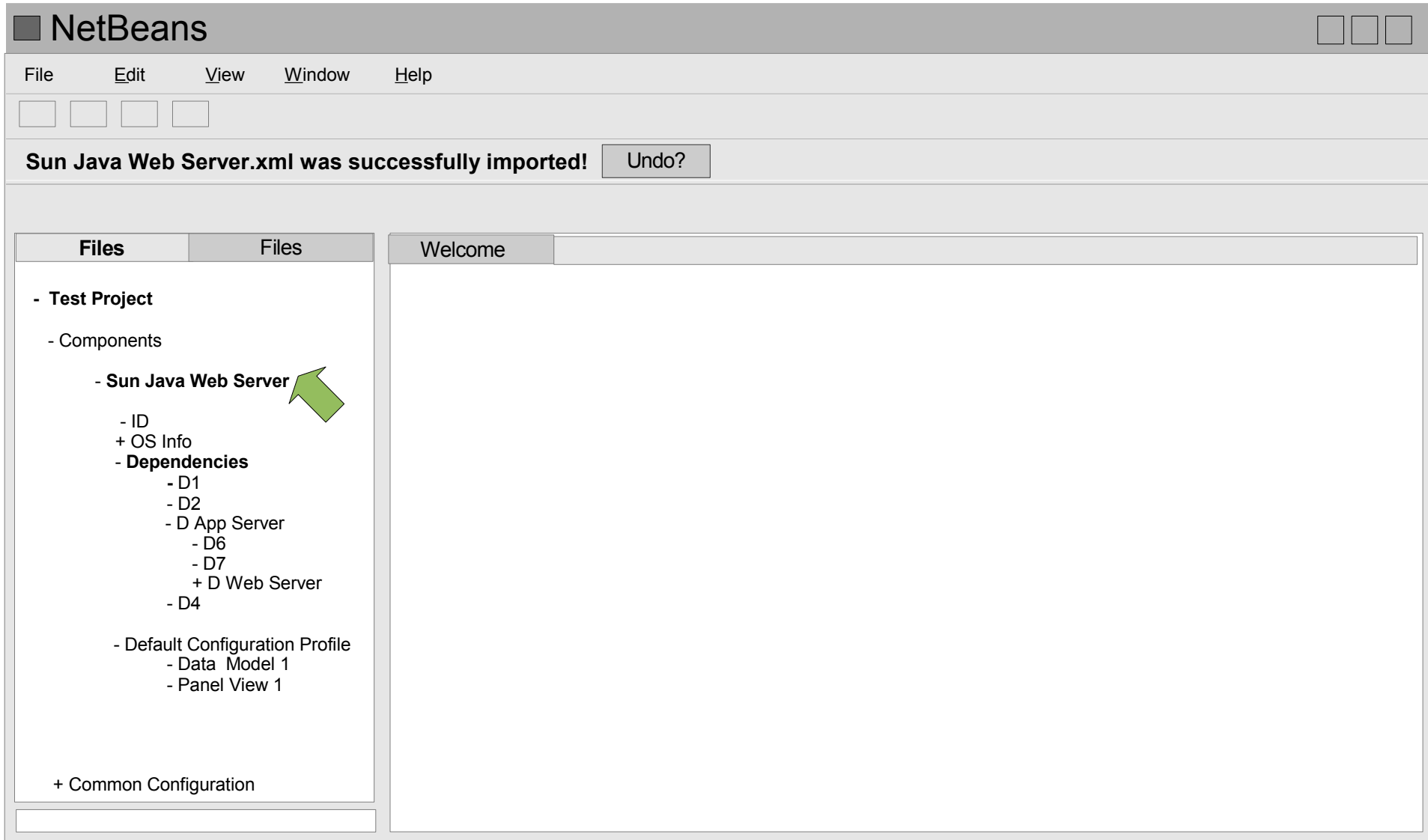
NetBeans

File Edit View Window Help

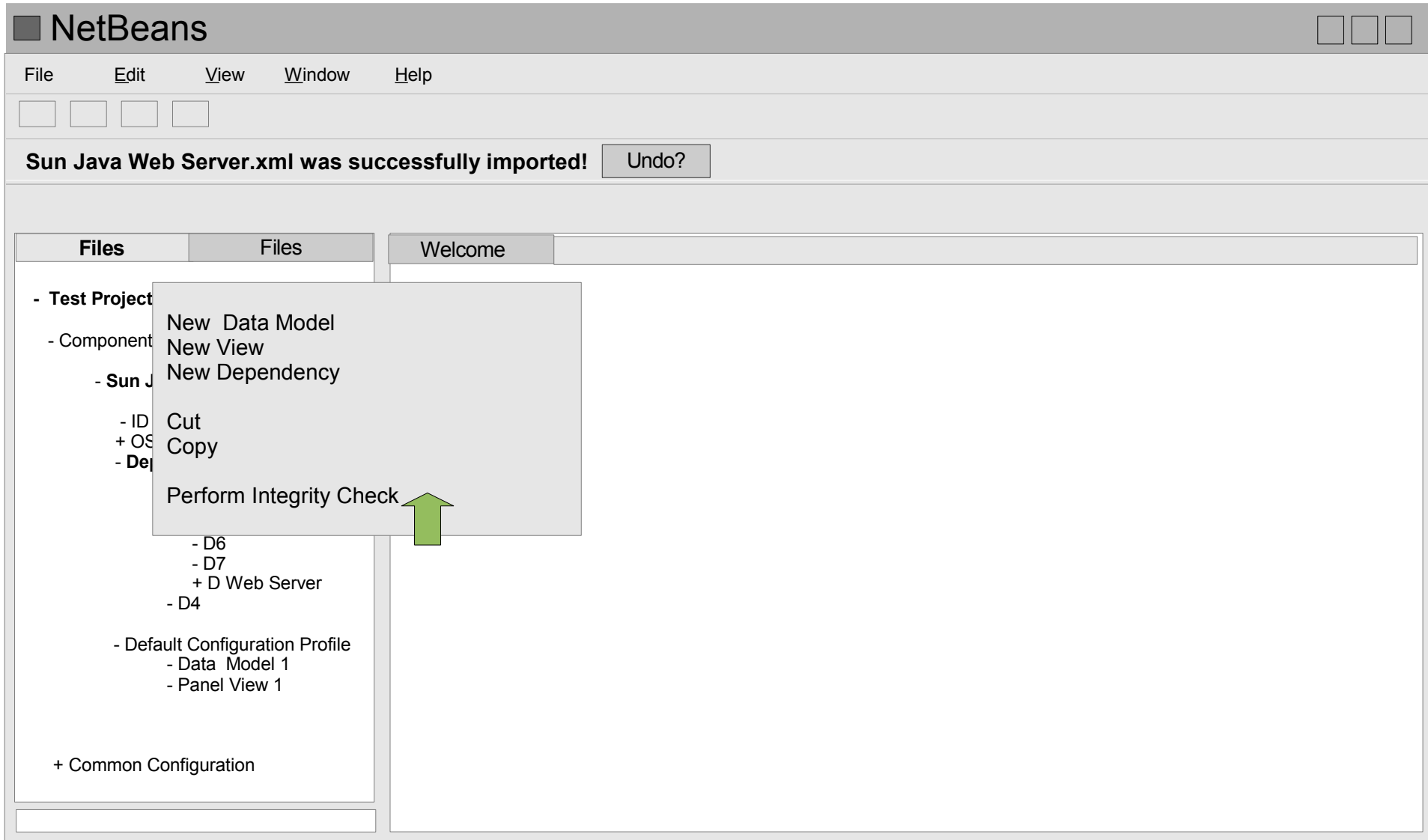
Sun Java Web Server.xml was successfully imported! Undo?

Files	Files	Welcome
<ul style="list-style-type: none"> - Test Project - Components - Sun Java Web Server <ul style="list-style-type: none"> - ID + OS Info - Dependencies <ul style="list-style-type: none"> - D1 - D2 - D App Server <ul style="list-style-type: none"> - D6 - D7 + D Web Server - D4 - Default Configuration Profile <ul style="list-style-type: none"> - Data Model 1 - Panel View 1 		
+ Common Configuration		

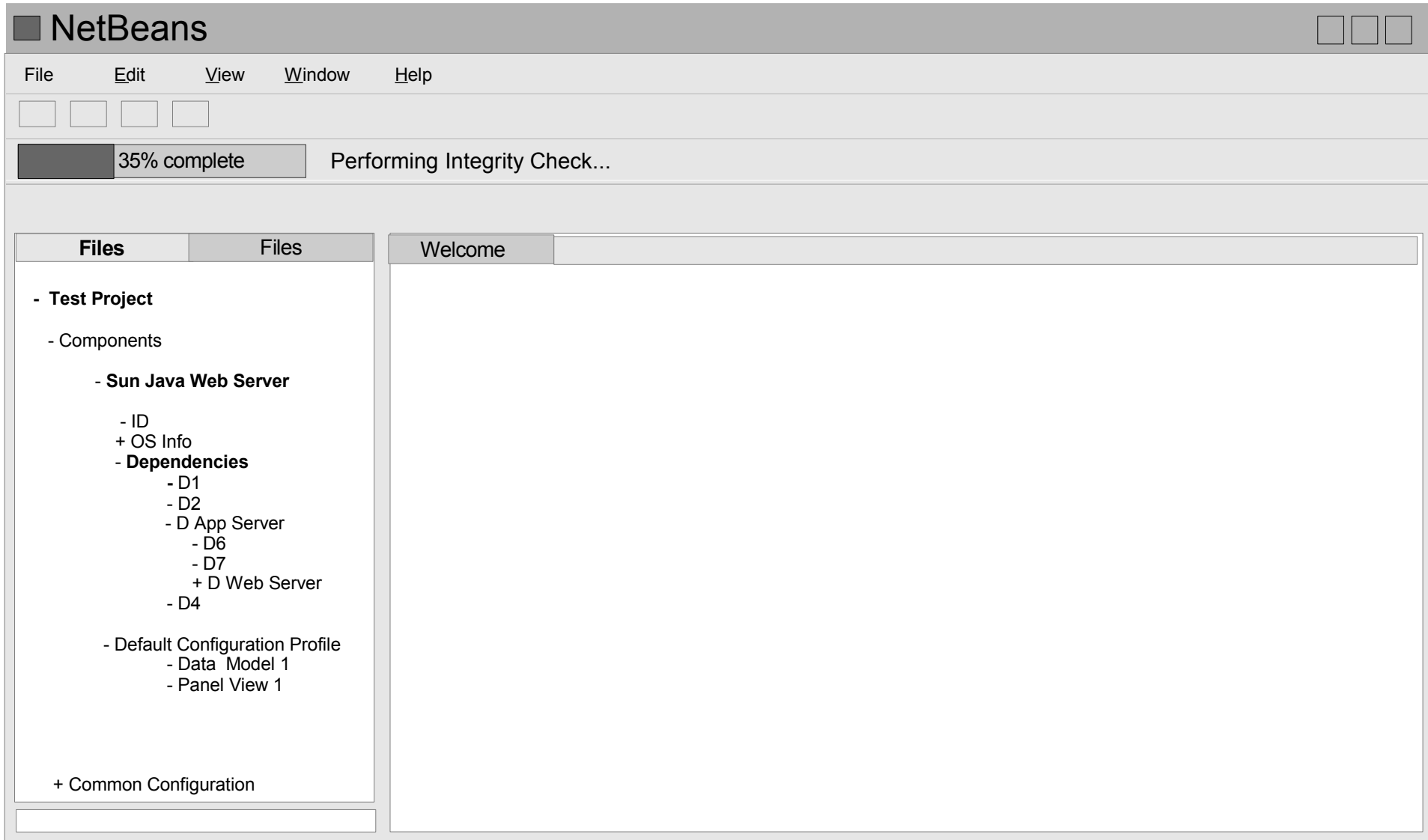
Perform Integrity Check on a Component



Perform Integrity Check on a Component



System Response



The screenshot shows the NetBeans IDE interface. At the top, the title bar reads "NetBeans". Below it is a menu bar with "File", "Edit", "View", "Window", and "Help". A toolbar with four icons is visible. A progress bar indicates "35% complete" for the task "Performing Integrity Check...". The main workspace is divided into two panes: "Files" on the left and "Welcome" on the right. The "Files" pane shows a tree view for a "Test Project" with the following structure:

- Test Project
 - Components
 - Sun Java Web Server
 - ID
 - + OS Info
 - Dependencies
 - D1
 - D2
 - D App Server
 - D6
 - D7
 - + D Web Server
 - D4
 - Default Configuration Profile
 - Data Model 1
 - Panel View 1
- + Common Configuration


System Response

NetBeans

File Edit View Window Help

100% complete!

Files	Files
<ul style="list-style-type: none"> - Test Project - Components - Sun Java Web Server <ul style="list-style-type: none"> - ID + OS Info - Dependencies <ul style="list-style-type: none"> - D1 - D2 - D App Server <ul style="list-style-type: none"> - D6 - D7 + D Web Server - D4 - Default Configuration Profile <ul style="list-style-type: none"> - Data Model 1 - Panel View 1 	<p>Welcome Sun Java Web Server- Integrity Check Report x</p> <p>5 errors found.</p> <p>Error 1 <u>Description of the Error.</u> Links to access the field/Tab to locate and fix the Error Recommended corrective measure(if any)</p> <p>Error 2 <u>Description of the Error.</u> Links to access the field/Tab to locate and fix the Error Recommended corrective measure(if any)</p> <p>Error 3 <u>Description of the Error.</u> Links to access the field/Tab to locate and fix the Error Recommended corrective measure(if any)</p> <p>Error 4 <u>Description of the Error.</u> Links to access the field/Tab to locate and fix the Error Recommended corrective measure(if any)</p> <p>Error 5 <u>Description of the Error.</u> Links to access the field/Tab to locate and fix the Error Recommended corrective measure(if any)</p>



System Response

NetBeans

File Edit View Window Help

100% complete!

Files Files

- Test Project
 - Components
 - Sun Java Web Server
 - ID
 - + OS Info
 - Dependencies
 - D1
 - D2
 - D App Server
 - D6
 - D7
 - + D Web Server
 - D4
 - Default Configuration Profile
 - Data Model 1
 - Panel View 1

- + Common Configuration

Welcome Sun Java Web Server- Integrity Check Report x

Patch Info

Error Description : (Eg: root/Sun/Patch/WebServer7u1.zip not found!
 Corrective Measure : (Enter correct path)

Add Patch In

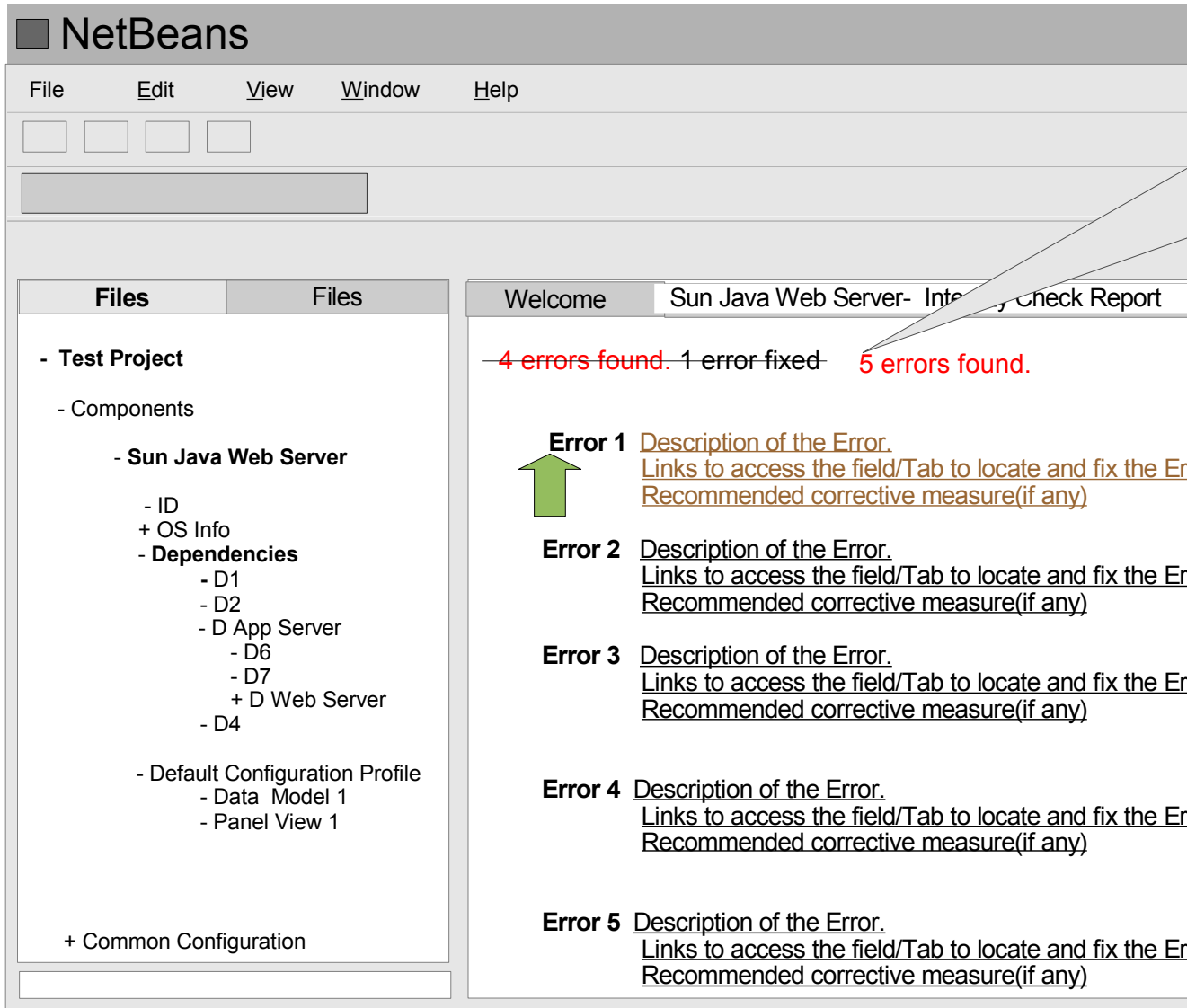
Browse... Add > Remove

root/Patch/WebServer7u1.zip
 root/Patch/PS 4.0U2.zip

Save & Close Cancel

Note : Fields that are found erroneous are editable. Other fields are not editable to prevent further errors.

System Response



NetBeans

File Edit View Window Help

Files Files

Welcome Sun Java Web Server- Integrity Check Report x

~~4 errors found. 1 error fixed~~ 5 errors found.

Error 1 [Description of the Error.](#)
[Links to access the field/Tab to locate and fix the Error](#)
[Recommended corrective measure\(if any\)](#)

Error 2 [Description of the Error.](#)
[Links to access the field/Tab to locate and fix the Error](#)
[Recommended corrective measure\(if any\)](#)

Error 3 [Description of the Error.](#)
[Links to access the field/Tab to locate and fix the Error](#)
[Recommended corrective measure\(if any\)](#)

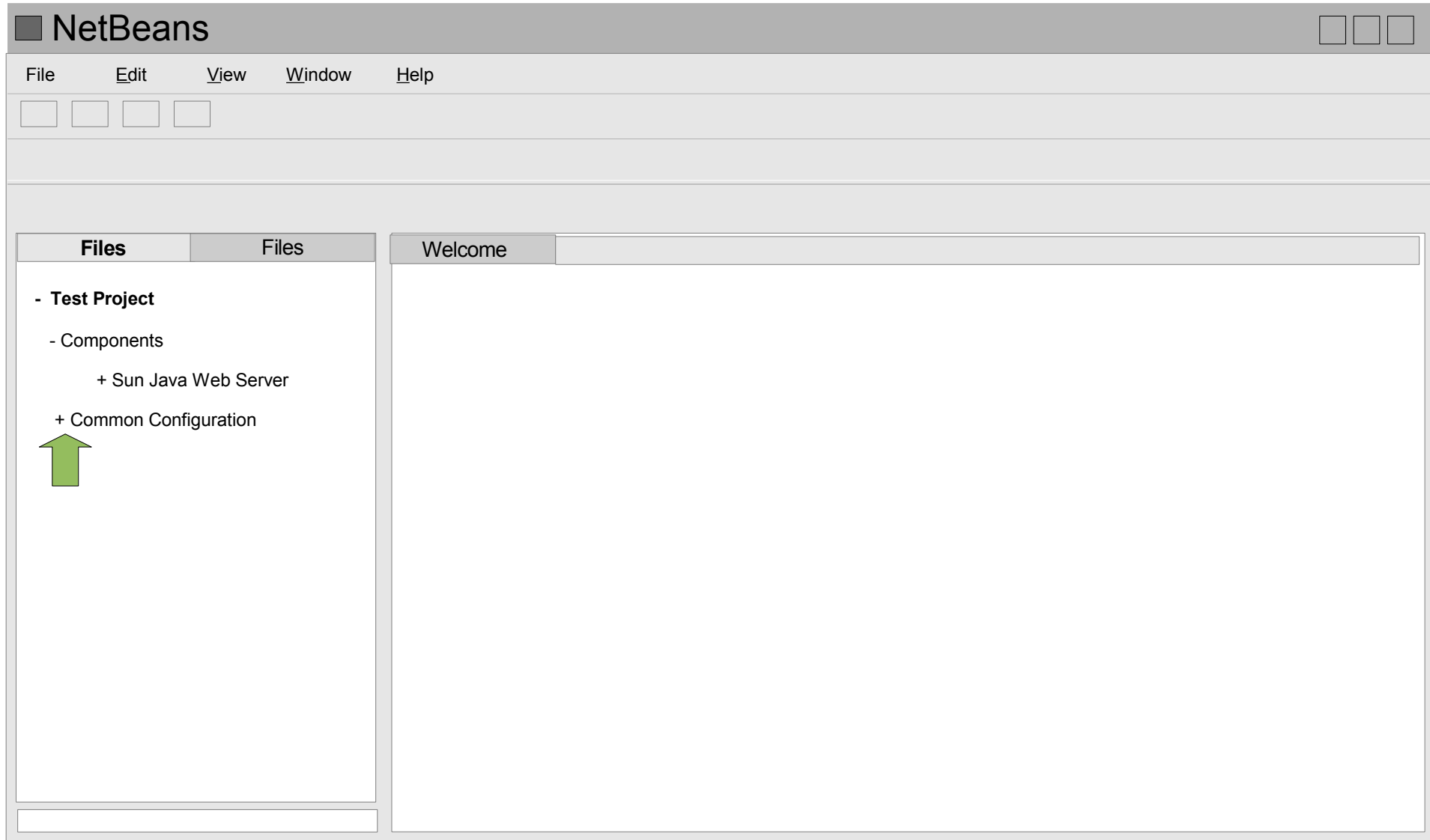
Error 4 [Description of the Error.](#)
[Links to access the field/Tab to locate and fix the Error](#)
[Recommended corrective measure\(if any\)](#)

Error 5 [Description of the Error.](#)
[Links to access the field/Tab to locate and fix the Error](#)
[Recommended corrective measure\(if any\)](#)

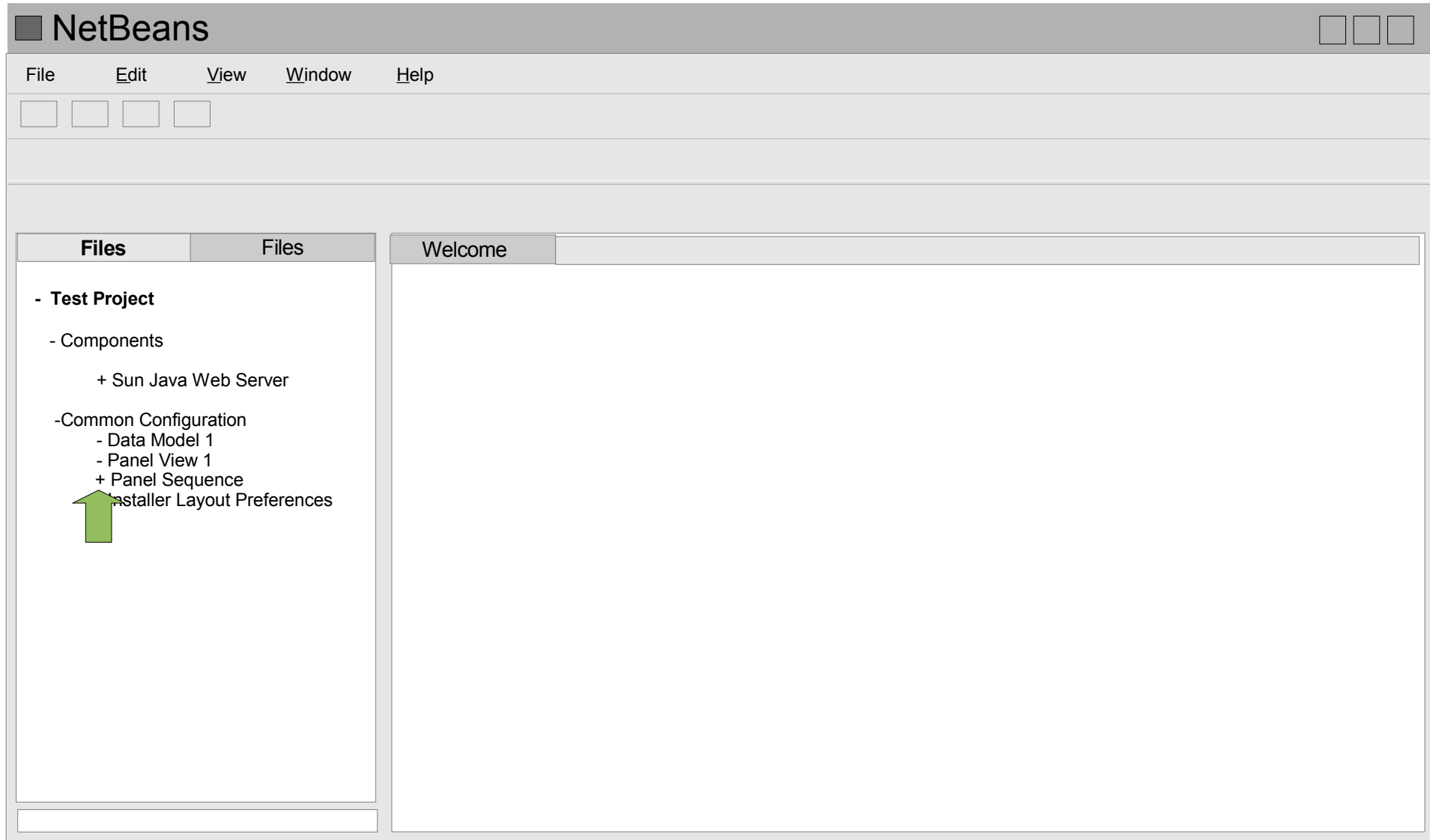
Note : Unless “Perform Integrity Check” task is invoked again, the list of fixed and unfixed errors cannot be determined. So this error status report wont change until then.

However, a visited link color change will be visually see

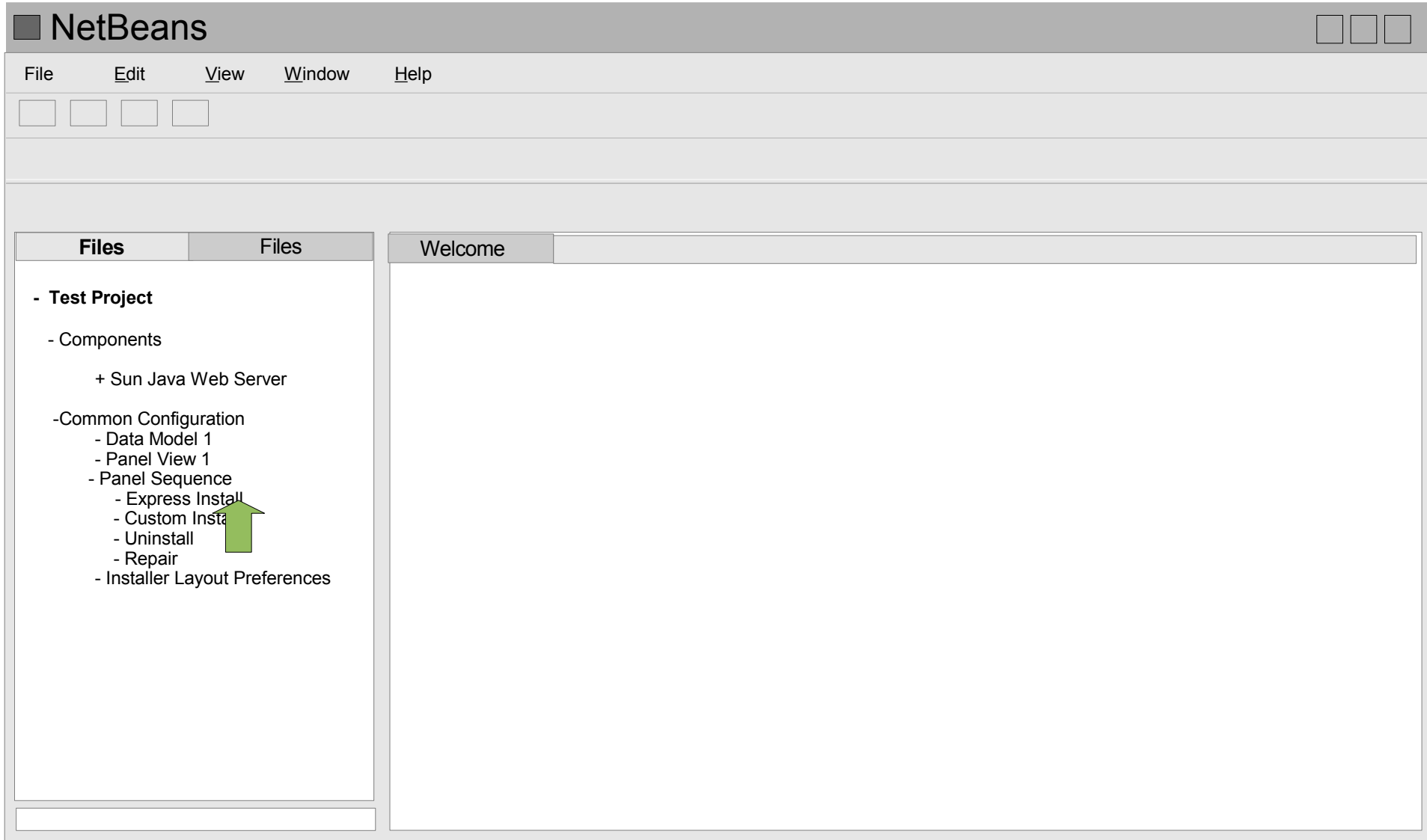
Panel Sequence



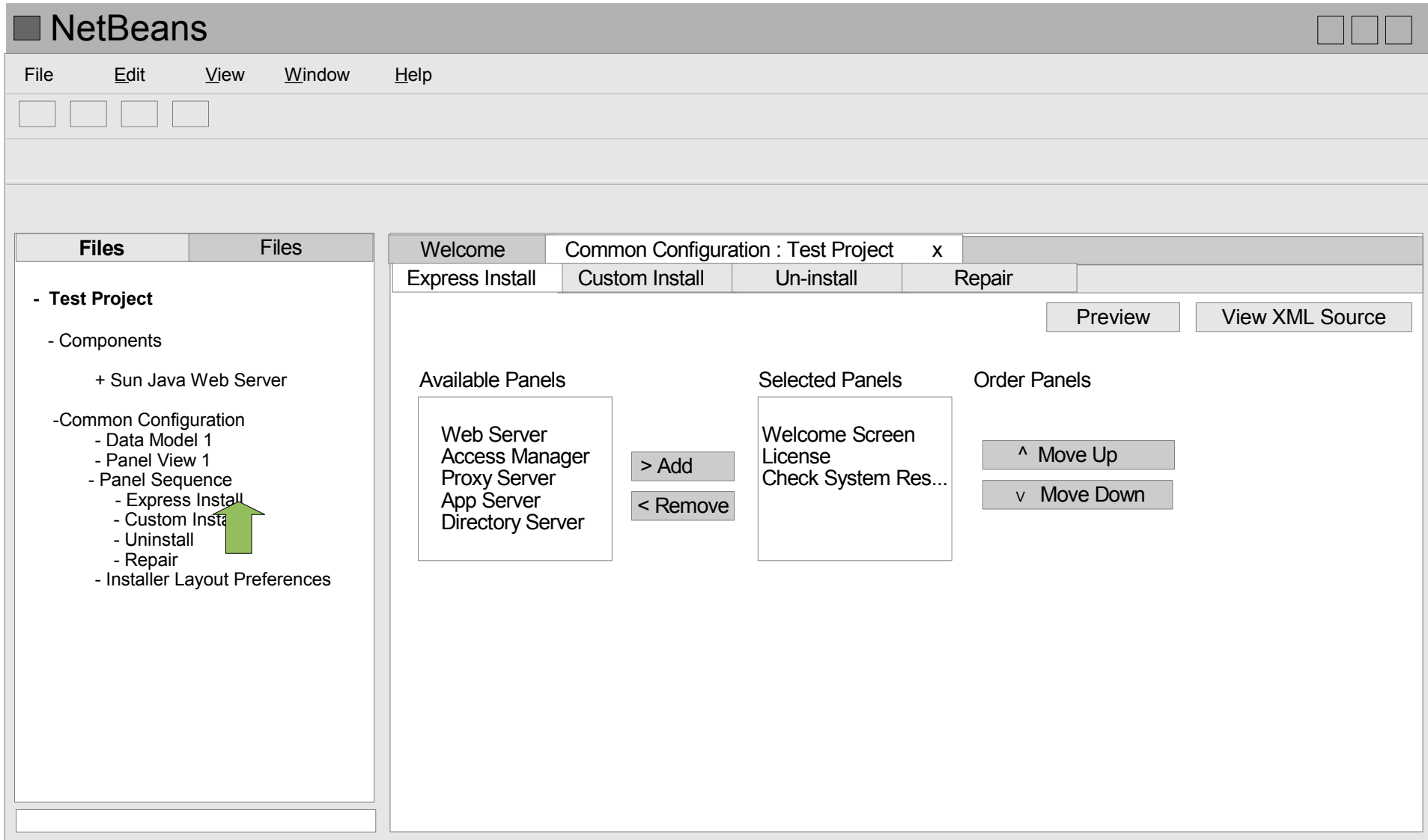
Panel Sequence



Panel Sequence



Panel Sequence : Option 1(Recommended)



NetBeans

File Edit View Window Help

Files Files

- Test Project
 - Components
 - + Sun Java Web Server
 - Common Configuration
 - Data Model 1
 - Panel View 1
 - Panel Sequence
 - Express Install
 - Custom Install
 - Uninstall
 - Repair
 - Installer Layout Preferences

Common Configuration : Test Project x

Express Install Custom Install Un-install Repair

Preview View XML Source

Available Panels

- Web Server
- Access Manager
- Proxy Server
- App Server
- Directory Server

> Add

< Remove

Selected Panels

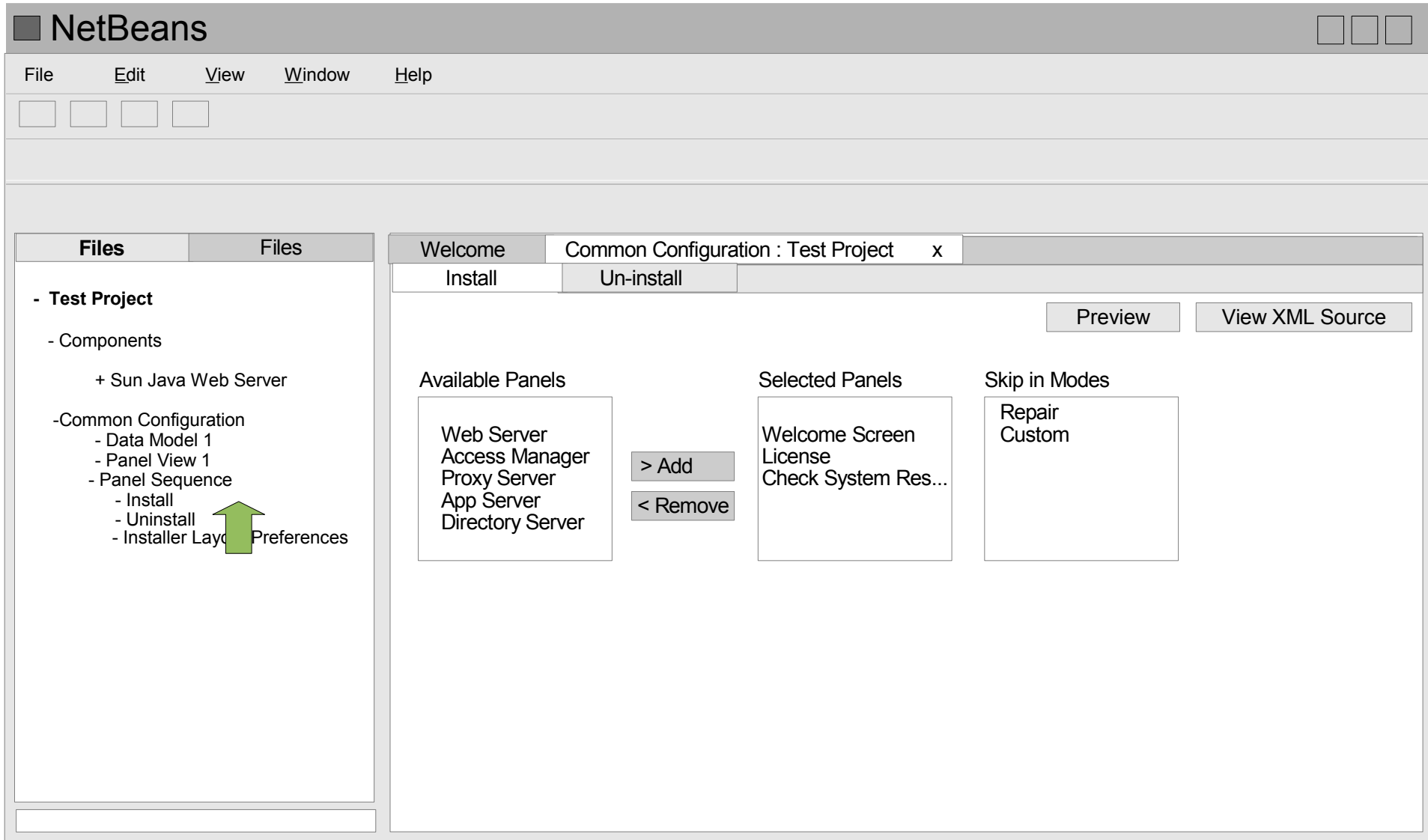
- Welcome Screen
- License
- Check System Res...

Order Panels

^ Move Up

v Move Down

Panel Sequence : Option 2 from Engg Team



The screenshot shows the NetBeans IDE interface. The title bar reads "NetBeans". The menu bar includes "File", "Edit", "View", "Window", and "Help". The main workspace is divided into several panes:

- Files:** A tree view on the left showing the project structure:
 - Test Project
 - Components
 - + Sun Java Web Server
 - Common Configuration
 - Data Model 1
 - Panel View 1
 - Panel Sequence (highlighted with a green arrow)
 - Install
 - Uninstall
 - Installer Layout
 - Preferences

- Common Configuration : Test Project:** A dialog box with tabs for "Welcome" and "Un-install". It contains:
- Buttons: "Preview" and "View XML Source"
- Available Panels:**
 - Web Server
 - Access Manager
 - Proxy Server
 - App Server
 - Directory Server
- Selected Panels:**
 - Welcome Screen
 - License
 - Check System Res...
- Skip in Modes:**
 - Repair
 - Custom



install-custom

Available Pages		Selected Pages		Skipin
accessmgr		Welcome		<input type="text"/>
webproxyserver	>	License	^	
adminpassword		ConfigMode		
dirserver	<	appserver	v	
webserver		dirserver		
appserver		accessmgr		
Progress		CheckSystemResources		

install-express

Available Pages		Selected Pages		Skipin
accessmgr		Welcome		<input type="text"/>
webproxyserver	>	License	^	
adminpassword		ConfigMode		
dirserver	<	CheckSystemResources	v	
webserver		ReadyToInstall		
appserver		Progress		
Progress		Summary		

uninstall

repair

<No View Available>

Tree : Object Hierarchy

- **Installer Project 1**
- **JES Installer Project 2**
 - Common Configuration
 - Data Model 1
 - Panel View 1
 - Panel View 2
 - Panel Sequence
 - Express Install
 - Custom Install
 - Repair
 - Uninstall
 - Panel Layout Settings/Preferences
 - Components
 - + Component 1
 - Component 2
 - ID
 - Supported OS Versions
 - + OS V1
 - + OS V2
 - + OS V3
 - OS V4
 - Dependencies
 - D1
 - D2
 - D3
 - Default Configuration Profile (Eg. Application Server EE)
 - Data Model 1
 - Panel View 1
 - Panel View 2
 - Configuration Profile 1 (Eg. Application Server PE)
 - Data Model 1
 - Panel View 1
 - Panel View 2

Right Click Menus : Project

- **Installer Project 1**
- **JES Installer Project 2**
 - Common Configuration
 - Data Model 1
 - Panel View 1
 - Panel View 2
 - Panel Sequence
 - Express Install
 - Custom Install
 - Repair
 - Uninstall
 - Panel Layout Settings/Preferences
- Components
 - + Component 1
 - Component 2
 - ID
 - Supported OS Versions
 - + OS V1
 - + OS V2
 - + OS V3
 - OS V4
 - Dependencies
 - D1
 - D2
 - D3
 - Default Configuration Profile (Eg. Application Server EE)
 - Data Model 1
 - Panel View 1
 - Panel View 2
 - Configuration Profile 1 (Eg. Application Server PE)
 - Data Model 1
 - Panel View 1
 - Panel View 2

- Save
- Perform Integrity Check
- Import files
- Import files as a Reference
- Set as Main
- Rename
- Close
- Delete

Right Click Menus : Common Configuration

- **Installer Project 1**
- **JES Installer Project 2**
 - Common Configuration
 - Data Model 1
 - Panel View 1
 - Panel View 2
 - Panel Sequence
 - Express Install
 - Custom Install
 - Repair
 - Uninstall
 - Panel Layout Settings/Preferences
- Components
 - + Component 1
 - Component 2
 - ID
 - Supported OS Versions
 - + OS V1
 - + OS V2
 - + OS V3
 - OS V4
 - Dependencies
 - D1
 - D2
 - D3
 - Default Configuration Profile (Eg. Application Server EE)
 - Data Model 1
 - Panel View 1
 - Panel View 2
 - Configuration Profile 1 (Eg. Application Server PE)
 - Data Model 1
 - Panel View 1
 - Panel View 2

New Common Data Model
 New Common Panel View
 Edit Panel Sequence
 Edit Panel Layout Settings
 Perform Integrity Check




Right Click Menus : Components

- **Installer Project 1**
- **JES Installer Project 2**
 - Common Configuration
 - Data Model 1
 - Panel View 1
 - Panel View 2
 - Panel Sequence
 - Express Install
 - Custom Install
 - Repair
 - Uninstall
 - Panel Layout Settings/Preferences
- Components
 - + Component 1
 - Component 2
 - ID
 - Supported OS Version
 - + OS V1
 - + OS V2
 - + OS V3
 - OS V4
 - Dependencies
 - D1
 - D2
 - D3
 - Default Configuration Profile (Eg. Application Server EE)
 - Data Model 1
 - Panel View 1
 - Panel View 2
 - Configuration Profile 1 (Eg. Application Server PE)
 - Data Model 1
 - Panel View 1
 - Panel View 2

- New Component
- New Data Model
- New Panel View
- Import Files
- Import Files as a Reference
- Perform Integrity Check

Right Click Menus : Component 2

- **Installer Project 1**
- **JES Installer Project 2**
 - Common Configuration
 - Data Model 1
 - Panel View 1
 - Panel View 2
 - Panel Sequence
 - Express Install
 - Custom Install
 - Repair
 - Uninstall
 - Panel Layout Settings/Pr
 - Components
 - + Component 1
 - Component 2 
 - ID
 - Supported OS Version
 - + OS V1
 - + OS V2
 - + OS V3
 - OS V4
 - Dependencies
 - D1
 - D2
 - D3
 - Default Configuration F
 - Data Model 1
 - Panel View 1
 - Panel View 2
 - Configuration Profile 1
 - Data Model 1
 - Panel View 1
 - Panel View 2

- New Data Model
- New Panel View
- Import Files
- Import Files as a Reference
- View Edit ID info
- View/Edit Supported OSs
- View/Edit Packages
- View/Edit Patches
- View/Edit Dependencies
- Perform Integrity Check
- Delete
- Cut
- Copy
- Paste


Right Click Menus : OS V1

- **Installer Project 1**
- **JES Installer Project 2**
 - Common Configuration
 - Data Model 1
 - Panel View 1
 - Panel View 2
 - Panel Sequence
 - Express Install
 - Custom Install
 - Repair
 - Uninstall
 - Panel Layout Settings/Preferences
 - Components
 - + Component 1
 - Component 2
 - ID
 - Supported OS Versions
 - + OS V1
 - + OS V2
 - + OS V3
 - OS V4
 - Dependencies
 - D1
 - D2
 - D3
 - Default Configuration F
 - Data Model 1
 - Panel View 1
 - Panel View 2
 - Configuration Profile 1
 - Data Model 1
 - Panel View 1
 - Panel View 2

- New Package
- Import Packages
- View/Edit Packages

- New Patch
- Import Patches
- View/Edit Patches

Right Click Menus : Dependencies

- **Installer Project 1**
- **JES Installer Project 2**
 - Common Configuration
 - Data Model 1
 - Panel View 1
 - Panel View 2
 - Panel Sequence
 - Express Install
 - Custom Install
 - Repair
 - Uninstall
 - Panel Layout Settings/Preferences
 - Components
 - + Component 1
 - Component 2
 - ID
 - Supported OS Versions
 - + OS V1
 - + OS V2
 - + OS V3
 - OS V4
 - Dependencies 
 - D1
 - D2
 - D3
 - Default Configuration F
 - Data Model 1
 - Panel View 1
 - Panel View 2
 - Configuration Profile 1
 - Data Model 1
 - Panel View 1
 - Panel View 2

- New Dependency
- View/Edit Dependencies
- Topology View
- Export
- Cut
- Copy
- Paste

Right Click Menus : Config Profile

- **Installer Project 1**
- **JES Installer Project 2**
 - Common Configuration
 - Data Model 1
 - Panel View 1
 - Panel View 2
 - Panel Sequence
 - Express Install
 - Custom Install
 - Repair
 - Uninstall
 - Panel Layout Settings/Preferences
 - Components
 - + Component 1
 - Component 2
 - ID
 - Supported OS Versions
 - + OS V1
 - + OS V2
 - + OS V3
 - OS V4
 - Dependencies
 - D1
 - D2
 - D3
 - Default Configuration Profile (Eg. Application
 - Data Model 1
 - Panel View 1
 - Panel View 2
 - Configuration Profile 1 (Eg. Application Serv
 - Data Model 1
 - Panel View 1
 - Panel View 2



- New Data Model
- Import Data Model
- Edit Data Model
-
- New Panel View
- Import Panel View
- Edit Panel View
- Rename
- Delete

Right Click Menus : Data Model

- **Installer Project 1**
- **JES Installer Project 2**
 - Common Configuration
 - Data Model 1
 - Panel View 1
 - Panel View 2
 - Panel Sequence
 - Express Install
 - Custom Install
 - Repair
 - Uninstall
 - Panel Layout Settings/Preferences
 - Components
 - + Component 1
 - Component 2
 - ID
 - Supported OS Versions
 - + OS V1
 - + OS V2
 - + OS V3
 - OS V4
 - Dependencies
 - D1
 - D2
 - D3
 - Default Configuration Profile (Eg. Application Server EE)
 - Data Model 1
 - Panel View 1
 - Panel View 2
 - Configuration Profile 1 (Eg. Appl)
 - Data Model 1
 - Panel View 1
 - Panel View 2

- Edit
- Rename
- Delete
- Cut
- Copy
- Paste

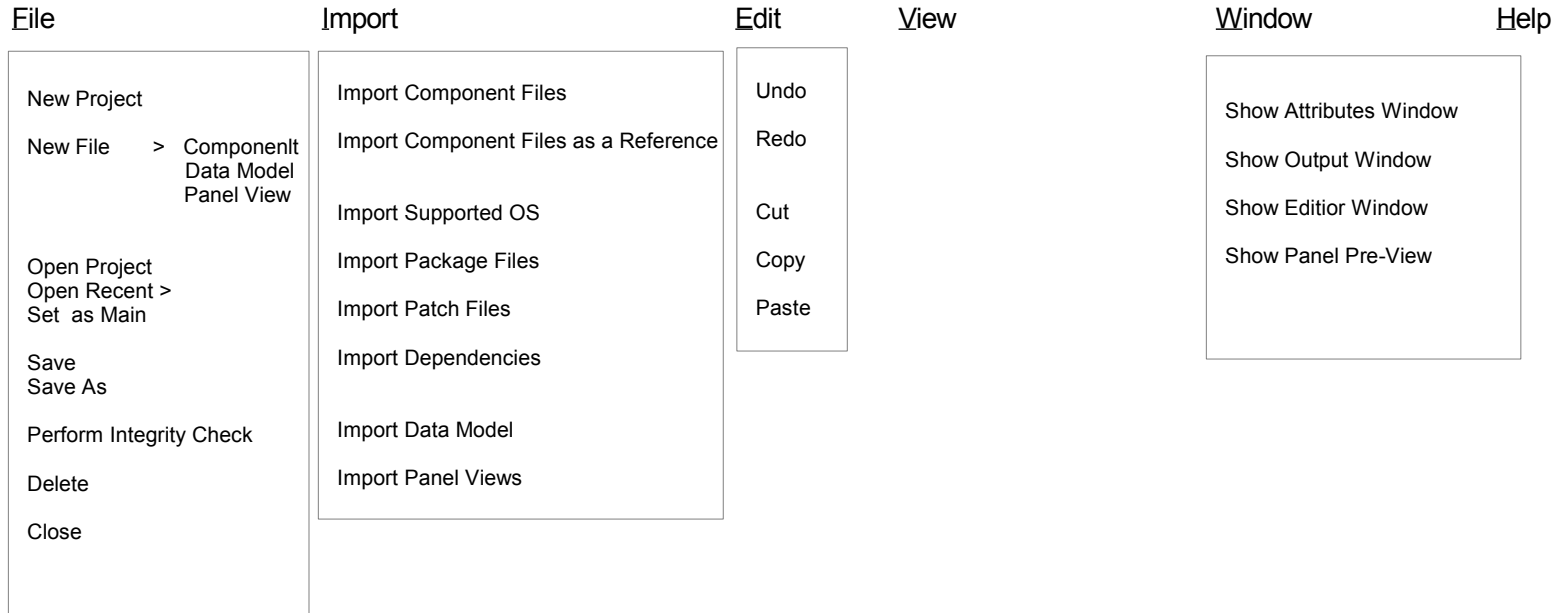
Right Click Menus : Panel View

- **Installer Project 1**
- **JES Installer Project 2**
 - Common Configuration
 - Data Model 1
 - Panel View 1
 - Panel View 2
 - Panel Sequence
 - Express Install
 - Custom Install
 - Repair
 - Uninstall
 - Panel Layout Settings/Preferences
 - Components
 - + Component 1
 - Component 2
 - ID
 - Supported OS Versions
 - + OS V1
 - + OS V2
 - + OS V3
 - OS V4
 - Dependencies
 - D1
 - D2
 - D3
 - Default Configuration Profile (Eg. Application Server EE)
 - Data Model 1
 - Panel View 1
 - Panel View 2
 - Configuration Profile 1 (Eg. Appl)
 - Data Model 1
 - Panel View 1
 - Panel View 2



- Pre-View
- Edit
- Rename
- Delete

Menu Structure



Visual Design : Icons (1/2)

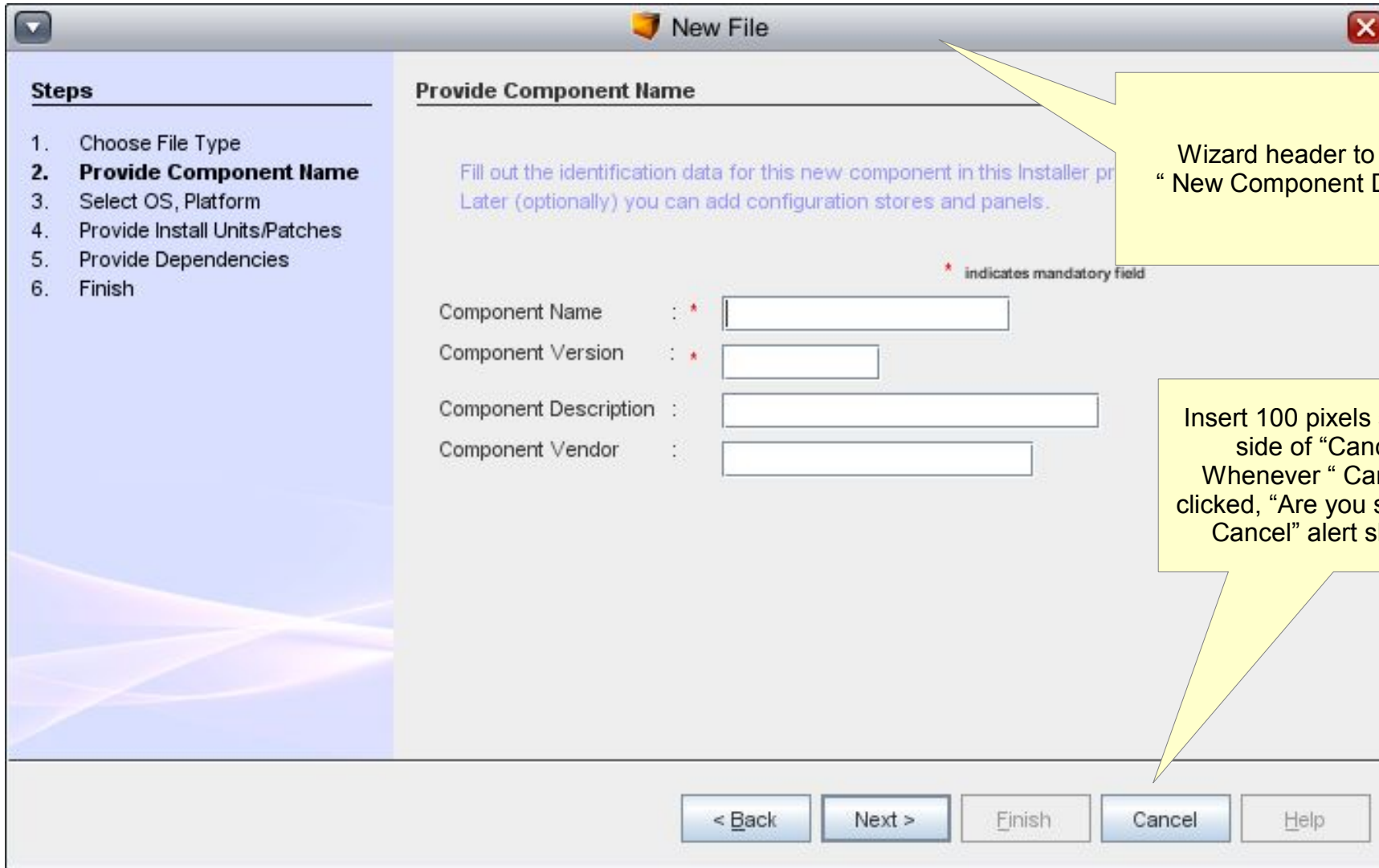
- **Installer Project 1**
- **JES Installer Project 2**
 - **Common Configuration**
 - Data Model 1
 - Panel View 1
 - Panel View 2
 - Panel Sequence
 - Express Install
 - Custom Install
 - Repair
 - Uninstall
 - Panel Layout Settings/Preferences
 - **Components**
 - + Component 1
 - Component 2
 - ID
 - Supported OS Versions
 - + OS V1
 - + OS V2
 - + OS V3
 - OS V4
 - Dependencies
 - D1
 - D2
 - D3
 - Default Configuration Profile (Eg. Application Server EE)
 - Data Model 1
 - Panel View 1
 - Panel View 2
 - Configuration Profile 1 (Eg. Application Server PE)
 - Data Model 1
 - Panel View 1
 - Panel View 2

Project	:	
Data Model	:	Supplies Data Fields and Labels in a form
Panel View	:	Layout containing the organized Fields and Labels
Panel Sequence	:	The order in which Installer Panels appear
Panel Layout Settings	:	Contains settings for Left, Top, Bottom, central parts of the Layout
Components	:	Combination of multiple component products
Component	:	Individual component product
Supported Operation Systems	:	List of Operation Systems with Versions for which the individual component product is packaged for
Dependencies	:	Dependent files of individual components
Configuration Profile	:	Contains a combination of a Data Model and Panel View Eg. App Server EE, App Server PE
Generalized Icon to indicate child objects :		

Visual Design : (2/2)

- Branding Guidelines for Open Sourced Products?
- Logo
- Splash Screen
- About Box Image
- Background Image
- Any other?

New Component : App Screen Shot



Steps

1. Choose File Type
- 2. Provide Component Name**
3. Select OS, Platform
4. Provide Install Units/Patches
5. Provide Dependencies
6. Finish

Provide Component Name

Fill out the identification data for this new component in this Installer project. Later (optionally) you can add configuration stores and panels.

* indicates mandatory field

Component Name : *

Component Version : *

Component Description :

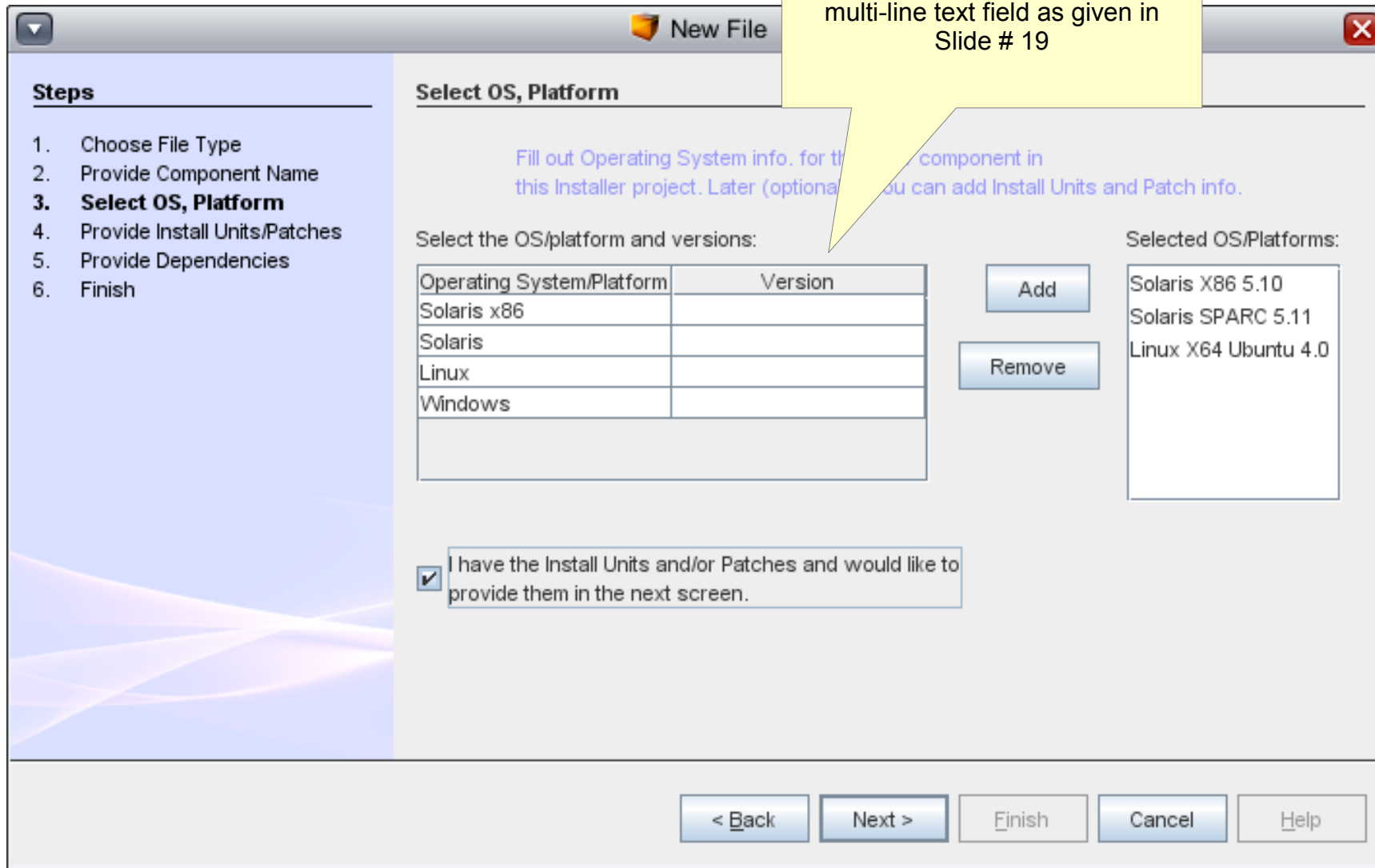
Component Vendor :

< Back Next > Finish **Cancel** Help

Wizard header to read as
"New Component Descriptor"

Insert 100 pixels space on either
side of "Cancel" button.
Whenever "Cancel" button is
clicked, "Are you sure you want to
Cancel" alert should pop up.

New Component : App Screen Shot



Steps

1. Choose File Type
2. Provide Component Name
- 3. Select OS, Platform**
4. Provide Install Units/Patches
5. Provide Dependencies
6. Finish

Select OS, Platform

Fill out Operating System info. for the component in this Installer project. Later (optional) you can add Install Units and Patch info.

Select the OS/platform and versions:

Operating System/Platform	Version
Solaris x86	
Solaris	
Linux	
Windows	

Selected OS/Platforms:

- Solaris X86 5.10
- Solaris SPARC 5.11
- Linux X64 Ubuntu 4.0

I have the Install Units and/or Patches and would like to provide them in the next screen.

< Back Next > Finish Cancel Help

Versions column to appear as a multi-line text field as given in Slide # 19

New Component : App Screen

What is the average no of Tabs that will appear here?
 No. of Tabs could have an impact on the readability of the Tab Names.
 < and > buttons to appear when the readability of the Tab names gets affected.

▼
New File

Steps

1. Choose File Type
2. Provide Component Name
3. Select OS, Platform
- 4. Provide Install Units/Patches**
5. Provide Dependencies
6. Finish

Provide Install Units/Patches

Fill out Install Units and Patch info. for this new component for each of the Operating System, platform and version combination that you selected in previous screen.

Solaris X86 5.10
Linux X86 Ubuntu 4.0
Windows X86 XP
Windows X86-64 Vista

Add/Remove Install Units

SUNWas-core

SUNWas-config

SUNWmq-core

SUNWmq-docs

Add
Remove

Add/Remove Patches

113442-34

213442-33

113482-33

113482-33

116482-33

Add
Remove

< Back
Next >
Finish
Cancel
Help

Add and Remove buttons to appear as given in Slide#22.
 The column headers to read as Packages and Patches, respectively..

New Component : App Screen Shot

▼
New File
✕

Steps

1. Choose File Type
2. Provide Component Name
3. Select OS, Platform
4. Provide Install Units/Patches
- 5. Provide Dependencies**
6. Finish

Provide Dependencies

Fill out Dependent component that this new component requires.

Selected Dependencies:

Component Name	Component Version
JavaDB	3.0
NSPR	4.0
NSS	3.0

Add Dependency

Remove Dependency

< Back

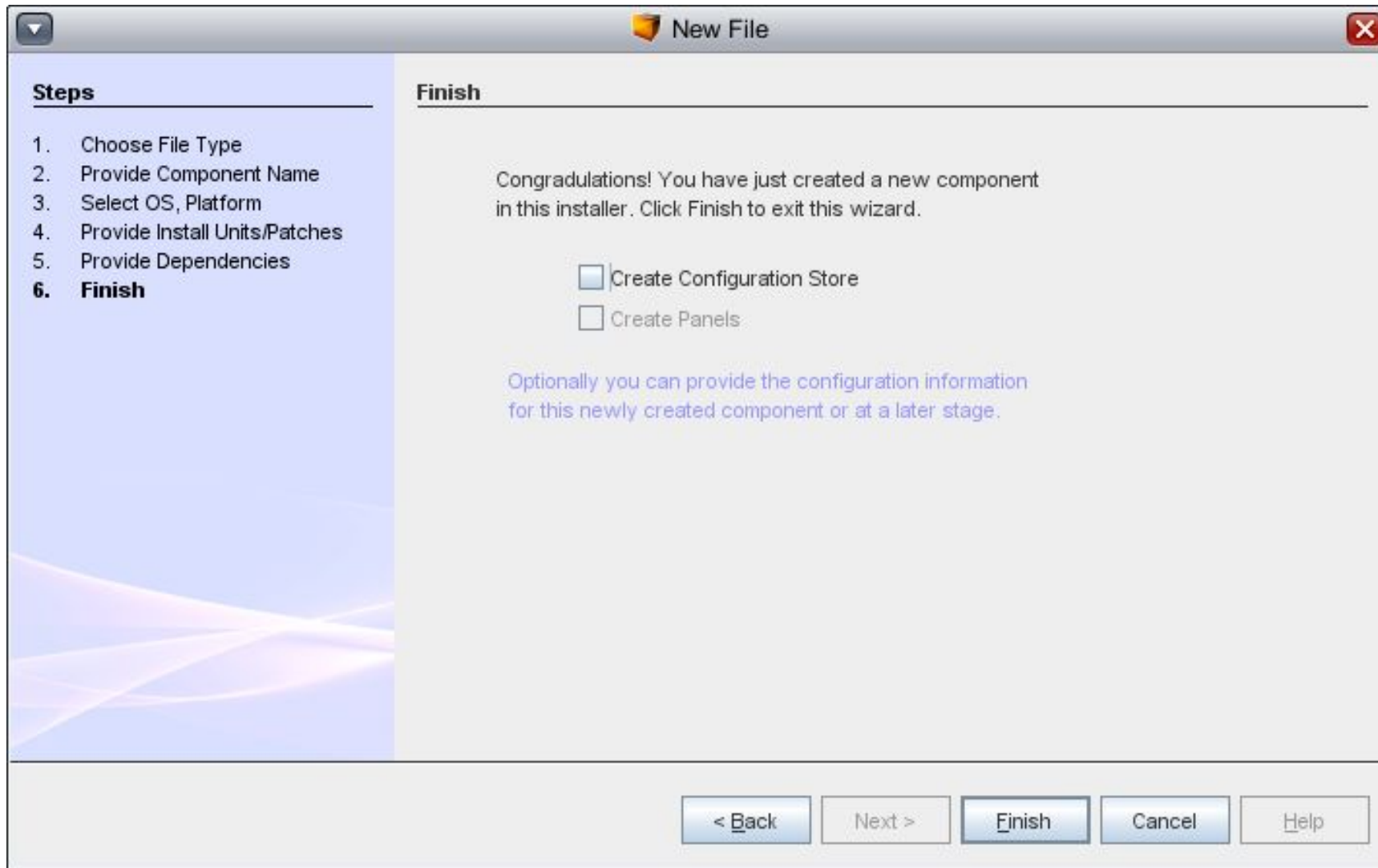
Next >

Finish

Cancel

Help

New Component : App Screen Shot



New Panel Wizard

☐ New File
✕

Steps

1. Choose File Type
- 2. Select template name and data model**
3. Arrange panel contents

Select template name and data model

Panel view name	<input type="text" value="WebServer"/>
Data model	<input style="border-bottom: 1px solid gray;" type="text" value="webservice"/> ▼
Configuration profile	<input type="text" value="webservice"/>

< Back
Next >
Finish
Cancel
Help

New Panel Wizard

New File
✕

Steps

1. Choose File Type
2. Select template name and data model
- 3. Arrange panel contents**

Arrange panel contents

Enter Section Name:

Available Fields: Selected Fields:

<div style="border: 1px solid gray; padding: 2px;"> <ul style="list-style-type: none"> WS_ADMIN_HOST WS_INSTANCE_ROOT WS_REGISTER_ADMIN_AGE <li style="background-color: #e6f2ff;">WS_DOCROOT WS_AGENT_HOST WS_ADMIN_JS_SERVER_M WS_CONFIG_NAME WS_ADMIN_SSL_PORT WS_64BIT_INSTALL </div>	<input type="button" value="➤"/> <input type="button" value="⏪"/>	<div style="border: 1px solid gray; padding: 2px;"> <p style="margin: 0;">Administrator Default</p> <ul style="list-style-type: none"> WS_JS_JES WS_START_ON_BOOT WS_ADMIN_HTTP_PORT </div>	<input type="button" value="⏩"/> <input type="button" value="⏴"/>
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That's all folks!

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xDesign

