# **Tutorial JavaBean 1**

Ce document explique pas à pas la construction d'une application très simple permettant d'illustrer l'utilisation d'un JavaBean et d'une propriété liées vers des composant graphiques (JtextField).

Cette application est constitué de 2 textfields (jTextField1 et jTextField2) et d'un JavaBean (Tuto1Bean). Lorsque l'utilisateur saisi une valeur dans jTextField1, cette valeur est utilisée pour modifier la propriété myString du javaBean. Cette propriété est liées à jTextField2 qui mettra automatiquement son affichage en cohérence. Voici une capture de l'application :



Etape1 : Création du projet sous NetBean (décocher main class)



Etape 2 : Sélectionner projet Java/java application



Etape 3 : creation d'une Jframe

🗊 r	netbear	n-tuto1 - NetBeans II	DE 6.9	_			the second se			- 6 X	
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help											
ť	6		C <defau< th=""><th>lt config&gt; 🗸</th><th>1</th><th>î 🎬 🕨 🌇 • 🚯 •</th><th></th><th>Q</th><th> Search (Ctrl+I)</th><th></th></defau<>	lt config> 🗸	1	î 🎬 🕨 🌇 • 🚯 •		Q	Search (Ctrl+I)		
5	: Pr	I S Files	Services	ava 📇 build.:	xml ()	avaRMI] 🛛 📄 readme 🖇 🛅 JF	FrameController.java 🛚 🗟 VolumeModelMVC.java 📽 📄 JFrame1.java 🖇 🙆 TutoBean1.java 🖇	• • •	Palette	₽ %	
🔇 Navigat	1-3 1-3 1-3 1-3	HelloApplet JavaRMI MyBean netbean-tuto1 Source Packages	(ane )	Source Design 86 87 - 88 89	pri	Vate void tutoBean11Pro	P       Image       Ima				
		Test Package	New	•	-	JavaBeans Component					
	٠	🔓 Libraries	Find	Ctrl+F		JFrame Form					
	÷->>	Test Librarie tuto 1.0 Volume VolumeBeanMVC VolumeBeanNoM VolumeMVC2	Cut Copy Paste Delete	Ctrl+X Ctrl+C Ctrl+V Supprimer	8 2 8 8	Java Class Applet Form HTML File Applet Empty File	line arguments ring args[]) { vokeLater(new Runnable() { {				
		WebApplication 1	Rename		8	Java Interface	<pre>setVisible(true);</pre>	*			
	±	WebApplicationJ	Compile Pack Local History	kage F9	F9 , 🛄	, 🗌	Java Package JPanel Form Entity Class		E		
			Tools	+		Entity Classes from Database	do not modify				
				105	<u>@</u> ?	Web Service Client	n jButton1; leld jTextField1; 	-			
				Usages	_					₩ ₩	
							<no usages=""></no>				
Q	Tasks	🔁 Output									
									6	92   5   INS	

Etape4 : Ajout d'un jTextfield (jTextField1)

🕥 netbean-tuto1 - NetBeans IDE 6.9		_ 🗊 <mark>_ X</mark> _
File Edit View Navigate Source Refactor Run Deb	ug Profile Team Tools Window Help	
👚 🖆 🔡 🔩 🦻 🦿 <		·  Search (Ctrl+I)
Big Ford       Image: Services         Image: Services       Image: Services         <	Image:	Seal of (Loff)  Palette  P X   Labelt  LL.  Swing Controls Using Controls C
Tasks 🔁 Output		
		9215 INS

# Etape 5 : Edition du texte du Jtextfield1 (click droit sur le textfield puis Edit Text)

netbean-tuto1 - NetBeans IDE 6.9	nona par	s Bart Tent)		_ 🗊 <mark>_ X</mark> _
File Edit View Navigate Source Refactor Run Del	oug Profile Team T	ools Window Help		
👚 🛅 블 🔩 🦻 🍼 🛛 🗠	- r r	y 🕨 🚯 - 🛞 -		Q -   Search (Ctrl+I)
E Proj         ④ №         Files         ? Services           00         5         HelloApplet         2         2         2         2         2         3         2         2         2         2         2         3         2         3         2         3         2         3         2         3	dme 📄 JFrameCo Source Design	Palette     Palette     Palette     Palette     jlabel1 [JLa     Swing Controls     ideal Label     Diff Button		
Source Packages default package> Test Packages Test Packages Test Packages Test Daraies Test Unaries Test Volume Test	, juse	Edit Text Change Variable Name Bind Events Align Anchor Auto Resizing Same Size Set Default Size Space Around Component		Image Button         Image Deck Box         Image De
Form MyJFrame		Enclose In		Password Held     Spinner
Derame]	Usages	Design Parent		
		Move Up Move Down Cut Copy Duplicate Delete Customize Code	<no usages=""></no>	
		Properties		
Tasks 🔁 Output		Properties		
				🔞 92   5 INS

## Etape 6 : idem pour jTextField2

💭 netbean-tuto1 - NetBeans IDE 6.9	
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help	
🕾 🚰 🚰 😼 🍋 🦿 ( <default.config> 🕞 👔 🎉 🕨 🏗 🐨 - 🕥 -</default.config>	Q •   Search (Ctrl+I)
g : Proj 4 × ; Files : Servicesdme 📄 JFrameControler.java 🛪 🖄 VolumeModelMVC.java 🛪 📄 JFrame1.java 🛪 🖄 TutoB	ean1.java 📽 📑 MyJFrame.java 📽 🚺 💌 🗆 Palette 🕑 📽 🔅 Other Com
g ⊕ G HeloApplet Source Design ↓ Helo # 1 ⊕ ⊕ #	Swing Containers     Swing Controls
Image: Second and the second and t	x whet Label
netbean-tuto1	DK Button
Course Packages	ON Toggle Button
MyJFrame.java	🖬 – Check Box 😑
Test Packages	® Radio Button
General Libraries	S Button Group
B- 🖉 tuto 1.0	Combo Box
i - S Volume	List
SourceBeanWVC	Text Field
	tx Text Area
WebAppication1	Elli. Scroll Bar
WebApplication3SP	🗘 Slider
	Progress Bar
inspector	Formatted Field
Form MyJFrame	Password Field
E S Other Components	19 Spinner
Prane, Pr	
Jextredu [Jextred]     Jextredu [Jextred]     Jextredu [Jextred]	
বাদ	) Usages>
Tasks 🔁 Output	
	😥 92   5   INS

Etape 7 : Creation du javabean (tuto1Bean1)

🕥 netbean-tuto1 - NetBeans IDE 6.9		
File Edit View Navigate Source Refactor Run Debug P	rofile Team Tools Window Help	
🐏 🛅 블 🛃 🏓 🍳 🛛 🖂 🖓	💽 👔 🐌 👪 • 🚯 •	Search (Ctrl+I)
ip     <	me 📄 FrameControler.java 🛪 🗇 VolumeModelMVC.java 🛪 📄 Frame1.java 🛪 🗑 TutoBean1.java 🛪 😁 MyJFrame.java 🛪 👍 💌 🗖 urce Design 🛛 🕄 📇 🗮 🗐 🖕 🚔 🗰 🖬 🗰 🗰	Palette
2     Work       0	Use the Palette window to add a component to the designer. x	Button     Toggle Button
L M New	Figure Form	i ── Check Box
- Test Packa Find Ctrl+F	JavaBeans Component	e- Radio Button
⊕         ≧         Libraries           ⊕         Test Ubrar         Cut         Ctrl+X           ⊕         ™ tot.0         Copy         Ctrl-C           ⊕         > Volume         Paste         Ctrl+V           ⊕         > VolumeBeanN         Delete         Supprime	Image: Second Secon	Button Group
🖶 🆢 VolumeMVC2 Rename	Java Interface	
WebApplicatio     WebApplicatio     WebApplicatio     Compile Package F9     Local History	Java Package      JPanel Form      Dentity Class	📖 Scroll Bar
Inspector Tools	Entity Classes from Database	Formatted Field
Form MyJFrame  Gamma Other Components  []Frame]	Image: State	Password Field  Spinner
JiextField1 [JiextField] ; US	ages	₩ %
	<no usages=""></no>	
Tasks 🔁 Output		
		🔞 92   5 INS

#### Fixer le nom du bean : tuto1Bean1

🕥 netbean-tuto1 - NetBeans IDE 6.9	the second designed in the second day in the second day of the sec	_ 0 X
File Edit View Navigate Source Refactor Run De	zbug Profile Team Tools Window Help	
🔁 🛅 🔡 🛃 🍏 🥐 🛛 (default config	» 🕞 👔 🕨 📷 - 🕞 -	Q =   Search (Ctrl+I)
j Proj 4 🕷 ; Files ; Services	dme 📄 JFrameController.java 🛚 🖉 VolumeModelMVC.java 📽 📄 JFrame1.java 📽 🚳 TutoBean1.java 🖉 📄 MyJFrame.java 📽	(↓) ▼ □ : Palette
👺 🕀 🆢 HelloApplet	Source Design 🛛 🖓 🗃 🚰 📕 🖉	
💈 🕀 🎯 JavaRMI		N
🕥 🕀 🍉 MyBean	New JavaBeans Component	x
netbean-tuto1     Source Packages	Steps Name and Location	
default package>	Choose File Type     Class Name: Tuto 1Bean	
Test Packages	2. Name and Location	
🕀 🎽 Libraries	Project: netbean-tuto1	
Test Libraries	Location: Source Packages	
Nolume	Package:	
1 - S VolumeBeanMVC		
1 VolumeBeanNoMVC	Created File: C:\Users\depalma\Documents\NetBeansProjects\netbean-tuto1\src\Tuto1Bean.java	
HolumeMVC2		
WebApplication1		
WebApplicationJSP		
: Inspector		
Eorm My Frame		
E- Components		
- [JFrame]		
jTextField1 [JTextField]		₩ 20
JTextField2 [JTextField]		
	warning: It is nighty recommended that you do NOT place Java dasses in the default package.	
	< Back Next > Finish Cancel Help	
Tasks 🔁 Output		
		32 5 INS

Dans le source java du bean, supprimmer les ligne en gras : public class TutolBean implements Serializable {

```
public static final String PROP_SAMPLE_PROPERTY = "sampleProperty";
private String sampleProperty;
```

```
private PropertyChangeSupport propertySupport;
   public Tuto1Bean() {
        propertySupport = new PropertyChangeSupport(this);
    }
   public String getSampleProperty() {
        return sampleProperty;
    }
   public void setSampleProperty(String value) {
        String oldValue = sampleProperty;
        sampleProperty = value;
        propertySupport.firePropertyChange(
          PROP SAMPLE PROPERTY, oldValue, sampleProperty);
    }
   public void addPropertyChangeListener(PropertyChangeListener
listener) {
       propertySupport.addPropertyChangeListener(listener);
    }
   public void removePropertyChangeListener(PropertyChangeListener
listener) {
       propertySupport.removePropertyChangeListener(listener);
    }
}
```

#### Etape 8 : ajout d'une propriété au bean (click droit dans le source java du bean puis sur insertcode)

File Edit View Neviente Course Defectes Due Dak	un Drafila Taam Taala	Min daw. U ala				
Prile Edit View Navigate Source Relactor Run Deb					Q	Search (Ctrl+I)
5 Proj 4 × Files Services	ava 🗟 VolumeModelM	VC.java 🛚 📄 JFrame1.java	a 🔉 💰 TutoB	ean 1. java 🛚 📄 MyJFrame. java 🖇 🐼 Tuto 1 Bean. java 🖇		Palette
HelioApplet     JavaRNI     JavaANI     JavaRNI     JavaRNI     JavaRNI     JavaRNI     JavaRNI	Image: Second	depalma SS TatolBean implet Navigate Show Javadoc Find Usages Call Hierarchy Insert Code Fix Imports Refactor Refactor Service Format Run File Debug File Test File	Alt+F1 Alt+F1 Alt+F7 Alt+Insérer Ctrl+Maj+F5 Ctrl+Maj+F5 Ctrl+Maj+F5	<pre>lizable ( rtySupport; hangeSupport(this); sr(PropertyChangeListener listener) ( reListener(listener); tener(PropertyChangeListener listener) ( hangeListener(listener);</pre>		
	Usages	Debug Test File	Ctrl+Maj+F6			⊜ %
		Run Into Method New Watch Toggle Line Breakpoint Profiling	Ctrl+Maj+F7 Ctrl+F8	<no usages=""></no>		
		Cut Copy Paste	Ctrl+X Ctrl+C Ctrl+V			
Tasks 🔁 Output		Code Folds Select in	*			🔞 20   1   INS

### clicker sur AddProperty



Renseigner les information sur la propriété (Name=mystring, clicker sur bound)



```
La classe du bean doit ressembler à ca :
```

```
import java.beans.*;
import java.io.Serializable;
public class Tuto1Bean implements Serializable {
    private PropertyChangeSupport propertySupport;
    public Tuto1Bean() {
        propertySupport = new PropertyChangeSupport(this);
    }
    protected String mystring;
    public static final String PROP MYSTRING = "mystring";
    public String getMystring() {
        return mystring;
    }
    public void setMystring(String mystring) {
        String oldMystring = this.mystring;
        this.mystring = mystring;
        propertySupport.firePropertyChange(PROP MYSTRING,
                oldMystring, mystring);
    }
    public void addPropertyChangeListener(
                      PropertyChangeListener listener) {
        propertySupport.addPropertyChangeListener(listener);
    }
    public void removePropertyChangeListener(
                      PropertyChangeListener listener) {
        propertySupport.removePropertyChangeListener(listener);
    }
}
```

Etape 9 : Lancer le build du projet (click droit projet puis build)



Etape 10 : Ajout du bean dans la palette (click droit sur le bean puis tools puis add to Palette)

File Edit View Navigate Source Refactor Run Debu	g Profile Team	Tools Window Help				
🕈 🔁 🔒 🤚 🥐 🍊 ( <default config=""></default>	- ° ï	👸 🕨 🚯 • 🚯	•	Q.	Search (Ctrl+I)	
j Proj	ava 💩 Volume	ModelMVC.java 🛚 🔠 J	Frame1.java 🛚 🙆 TutoBean1.java 📽 📄 MyJFrame.java 📽 🙆 Tuto1Bean.java 📽		Palette	₽ %
Bit Dirac     Files     Services       Source Packages     Source Packages       Source Packages     Copy       Source Packages     Copy       Source Packages     Source Packages       Source Packages     Copy       Source Packages     Copy       Source Packages     Paste       Source Packages     Copy       Source Packages     Paste       Source Packages     VolumeBeanNock       Source Packages     VolumeBeanNock       Source Packages     Paste       Source Packages     VolumeBeanNock       Source Packages     Paste       Source Packages     Paste       Source Packages     VolumeBeanNock       Source Packages     Paste       Source Packages     Profile File       Source Packages     Profile File	ava (6) Volume (69) - (1)	<pre>netGetMVCjava m )</pre>	<pre>Frameljava % () TutoBeanjava % () MyFramejjava % () TutoBeanjava %</pre>		; Palette	9 <b>1</b>
Add	}					
Delete Save As Template	Supprimer			•		₩
Find Usages Refactor	Alt+F7 ▶					
BeanInfo Editor		Apply Diff Patch				
File Members File Hierarchy	Ctrl+F12 Alt+F12	Diff To Add to Favorites	<no usages=""></no>			
Level 12 to		Add to Palette				
Local History	,	Analyze Javadoc				
Tasks 🔁 Output Tools	+	Create JUnit Tests				
Properties					: ا	53   1   INS

Sélectionner la catégorie Bean pour l'ajout dans la palette

File Edit View Navigate Source Refactor Run De	hug Profile Team Tools Window	v Help				0 0
🕆 🔁 🞴 🖫 🍤 🍊 🖂		, • 🛞 •		Q.	Search (Ctrl+I)	
Files Services	ava 🗟 VolumeModelMVC.java	📽 📑 JFrame 1. java 📽 🛃 TutoBean 1. java 📽 📑 MyJFra	me.java 🛚 😹 Tuto 1Bean.java 🖇	4 > -	Palette	<b>₽</b> 8
Texts: Count:	Image: Second	value of mystring  Select Palette Category  Pelette Categories:  Swing Containers  Swing Menus  Swing Menus  Swing Menus  Look and Feels  CK	<pre>g, mystring); ptener) {   listener) {     cance     cance     cance </pre>			@ %
and compared and and and and and and and and and an					<u> </u>	62   1   7MC
					<b>1</b>	53 1 INS

Etape 11 : connexion de jTextField1 au bean (clicker sur l'icone de connexion (2eme icône a droite du bouton Design)

netbean-tuto1 - NetBeans IDE 6.9			. 0 X
File Edit View Navigate Source Refactor Run Deb	uq Profile Team Tools Window Help		
👚 🛅 🔛 💺 🦻 🥐 🛛 🖂	· · · · · · · · · · · · · · · · · · ·	Q-  Search (Ctrl+I)	
Image: Proj       41 m ; Files ; Services         Image: Proj       41 m ; Files ; Services         Image: Proj       JavaRMI         Image: Proj       MySen         Image: Proj       Image: Proj         Image: Proj       Image: P		Palette         Image: Progress Bar         Image: Progress Bar	
Tasks 🔁 Output			111

🔘 netbean-tuto1 - NetBeans IDE 6.9			- 0 -	x
File Edit View Navigate Source Refactor Run Deb	ug Profile Team Tools Window Help			
👚 🛅 🔛 🛃 汐 🦿 🛛 <default config=""></default>	🕞 🚡 🥻 🕨 - 🕞 -	Q. ►   Search (Ctrl+I)		
Popine di Ri Files Services     Popine di Ri Files Services     Popine dell'Applet     Popine dell'Applet	Image: Source Design The Ligner is the second se	Palette  Palette  Ext Pielo  Fext Area  Forgers Bar  Pogress Bar  Pogress Bar  Formatted Field  Password Field  Separator  Fext Pane  Fattor Pane  Destrop Pane Destrop Pane Destrop Pane Destrop Pane Destrop Pane Destrop Pane Destrop Pane Destrop Pane Destrop Pane Destrop Pane Destrop Pane Destrop Pane Destrop Pane Destrop Pane Destrop Pane Destrop Pane De	() () () () () () () () () () () () () (	- Properties
Tasks 🔁 Output			A 111	
			11	

Sélectionner la source de l'événement (jTextField1) dans l'inspector

Sélectionner le recepteur de l'événement (tuto1Bean1) dans l'inspector

Une fenêtre apparaît pour sélectionner le type d'évènement que la source (jTextField1) va envoyer au recepteur (bean).

The Git Wav Margins Source Reface The Dates Profile Tiem Tools Window Hell	netbean-tuto1 - NetBeans IDE 6.9	The second se		o x	3
Contract on the second of the second	File Edit View Navigate Source Refactor Run Debug	Profile Team Tools Window Help			
Image: services       under Notes         Image: servic	👚 🖆 😫 🎝 🍼 🤇 (default config>		Q-  Search (Ctrl+I)		]
	Froj       41 Mi j. Files       Services         Image: Service Packages       Image: Service Packages         Image: Service Packages       Image: Service Packages <th>available       VolumeHodeMVC (java is)       Frame 1,java is)       Image: Connection is in the second s</th> <th>Pelete     Text Area     Ex Sroll Bar     G. Sroll Bar     G. Starl Bar     G. Starl Bar     G. Starl Bar     Progress Bar     Tornated Field     Saparotr     Separator     Separator     Text Pane     G. Editor Pane     Starl     Table     Swing Windows     Swing Windows     Swing Windows     Soviers     Beans     Look and Feels</th> <th></th> <th></th>	available       VolumeHodeMVC (java is)       Frame 1,java is)       Image: Connection is in the second s	Pelete     Text Area     Ex Sroll Bar     G. Sroll Bar     G. Starl Bar     G. Starl Bar     G. Starl Bar     Progress Bar     Tornated Field     Saparotr     Separator     Separator     Text Pane     G. Editor Pane     Starl     Table     Swing Windows     Swing Windows     Swing Windows     Soviers     Beans     Look and Feels		
			ا 🕲	1   1	



Sélectionner le composant jTextField1 puis action=>actionPerformed

Sélectionner l'opération à effectuer sur le récepteur de l'évènement (tuto1Bean1) (Sélectionner **tuto1Bean1** puis setProperty sur la propriété **mystring**)

File Edit View Navigate Source Refactor Run D	ebug Profile Team Tools Window Help		
👚 🖆 🔛 🧤 🦻 🌈 🛛 🗠 default conf	» 🔹 T 🔞 🕨 🖬 - 🕞 -	Q-  Search (Ctrl+I)	
Proj 4 # Files ; Services     Servic	Available Model Mic Gava & Frame Ljava & Tuboleen Ljava & MyJFrame Jjava & Tuboleen Jjava & MyJFrame Jjava & Tuboleen Jjava & MyJFrame Jjava & Tuboleen Jjava & MyJFrame Jj	Pelette Pelette Pelette Pelette Pelette Pelette Pelette Formatted Sorol Bar Pogress Bar Formatted Field Pogress Bar Possword Field Sophner Sophartar Fable Sother Pane Sother	Properties
		(a) 111	

- 0 X

Sélectionner comment les données sont extraites de la source (jTextField1) (sélectionner MethodCall puis dans le popup, selectionner jTextField1 puis getText).



#### Etape 12 : Connexion du bean et du jTextField2 Sélectionner la source de l'événement (tuto1Bean1) dans l'inspector

🕖 netbe	an-tuto1 - NetBeans IDE 6.9	-				×
File Edit	View Navigate Source Re	efactor Run Deb	ug Profile Team Tools Window Help			
1	- 4 5 6	<pre><default config=""></default></pre>	· · · · · · · · · · · · · · · · · · ·	Q-  Search (Ctr	(+I)	
je : Pro	j 🕼 🕺 🗄 Files	Services	ava 🗟 VolumeModelMVC.java 🛚 📄 JFrame1.java 📽 🗟 TutoBean1.java 🕿 📄 MyJFrame.java 📽 🗟 Tuto1Bean.java 🕿	Palette	0	Þ 🛪 🐻
riga 🕀	HelloApplet		Source Design   🔄 😤 🖆   🗮 🚍 🗮 🛄 http://www.sta	Swing Container	5	A Po
N B-S	JavaRMI		Provide a Connection Mode	Panel	Tabbed Pane	perti
	MyBean		Y The Tools >Palette > SW(2) menu tem allows you to modify the content of the Palette.	Contraction Split Pane	Scroll Pane	8
	- Source Packages			💷 Tool Bar 🛛 🚦	🗄 Desktop Pane	
	default package>			🦳 Internal Frame 🛽	Layered Pane	
	MyJFrame.java			SimpleBean		=
	Tuto 1Bean. java			Swing Controls		
	lest Packages			label Label		
	- 🚡 Test Libraries			OK Button		
æ-&	tuto 1.0			IN Toggle Button		
æ-8	Volume			Check Box		
	VolumeBeanMVC			Radio Button		
te−8	VolumeBeanNoMVC			8- Button Group		
	WebApplication 1			Combo Box		
<u>.</u>	WebApplicationJSP			E List		
				Text Field		
; Ins	pector	4 %		tx Text Area		
	Other Components			Scroll Bar		
	🖞 📩 tuto 1Bean 1 [Tuto 1Bean]	1		L.a.		Ŧ
ė-E	[JFrame]		: Usages		ę	₹ %
	JTextField1 [JTextField]					
	] extField2 [J1extField]					
			<no usages=""></no>			
Tasks	5 Output					
pog - cond	- John				<b>A</b>	
					<b>100</b>	_

Sélectionner le recepteur de l'événement (JtextField2) dans l'inspector Une fenêtre apparaît pour sélectionner le type d'évènement que la source (bean) va envoyer au recepteur (jTextField2). Selectionner tuto1Bean1 puis propertyChange

🕥 netbean-tuto1 - NetBeans IDE 6.9	Carlos Ca	and and the subscription of the	
File Edit View Navigate Source Refactor Run De	abug Profile Team Tools Window Help		
👚 🖆 😫 🍤 🥐 🛛 🗠 default config	» • 🕆 🎇 🖌 🖏 • 🕐 •		Q -   Search (Ctrl+I)
j Proj	ava 🗟 VolumeModelMVC.java 🛚 📄 JFrame	e1.java 🕺 🗟 TutoBean1.java 📽 📄 MyJFrame.java 📽 🗟 Tuto1Bean.java 📽	Palette
HelloApplet	Source Design	4.肥后持  ++ +	Swing Containers
2 B S JavaRMI	Specify the details of the connection		Panel Tabbed Pane
netbean-tuto1	Connection Wizard		Split Pane Scroll Pane %
🖨 🚡 Source Packages			Desktop Pane
efault package>	Steps	Select Source Event	Internal Frame Layered Pane
Tuto 1Bean. java	1. Select Source Event 2. Specify Target Operation	Source Component: tuto 1Bean1	Swing Controls
🕀 🊡 Test Packages	Er speary rarget operation	Events	iabel Label
E Libraries		propertyChange     propertyChange	OK Button
H- p lest Libraries			In Toggle Button
🕀 🍎 Volume			🖃 – Check Box
De VolumeBeanMVC			® Radio Button
VolumeBeanNoMVC			S Button Group
WebApplication1			Combo Box
WebApplicationJSP			Eist
			Text Field
: Inspector 48		Event Handler Method	Text Area
🖨 🔊 Other Components		Marked Names Anto 10 and 10 and 6 Anno	Scroll Bar
tuto 1Bean 1 [Tuto 1Bean]		method wane: Uto tbean throber tychange	
[]Frame]     []Frame]	Usage		₩ ₩
iTextField2 [JTextField]			
		<back next=""> Finish Cancel Help</back>	
		dirilaraa	
		<ind usages=""></ind>	
Tasks 🔁 Output			
			3

# Sélectionner l'opération déclenchée coté recepteur clicker sur MethodCall puis setText

netbean-tuto1 - NetBeans IDE 6.9	the second se	
File Edit View Navigate Source Refactor Run Deb	ug Profile Team Tools Window Help	
👚 🛅 🔡 🛃 🦻 🍘 ( <default config)<="" td=""><td>· · · · · · · · · · · · · · · · · · ·</td><td>Q- Search (Ctrl+I)</td></default>	· · · · · · · · · · · · · · · · · · ·	Q- Search (Ctrl+I)
j Proj	ava 🕼 VolumeModelMVC.java 🕺 📄 JFrame1.java 🕺 🔞 TutoBean1.java 🕺 📄 MyJFrame.java 📽 🙆 Tuto1Bean.java 🕸	Palette
Be BelloApplet	Source Design   12, 27 🖆   12, 12 ± 17, 12 ↔ \$	Swing Containers
2 B-S JavaRMI	Q Specify the details of the connection	Panel Tabbed Pane
netbean-tuto1		Split Pane Scroll Pane
🖨 🊡 Source Packages		Tool Bar 🚰 Desktop Pane
default package>	Steps Specify Target Operation	🛅 Internal Frame 🔳 Layered Pane
MyJFrame.java	1. Select Source Event Target Component: TextField2	🖸 SimpleBean 🗉
Tuto IBean. java	2. Specify Target Operation	Swing Controls
	Set Property @ Metrid Call User Code	label Label
🕀 🚡 Test Libraries	settequestrocuschablec(poolean)	OK Button
🕀 🍉 🦢 tuto 1.0	setSelectedTextColor(Color)	In Toggle Button
P->>> Volume	setSelectionColor(Color)	I → Check Box
VolumeBeanNoVC	setSelectionStart(int)	8— Radio Button
VolumeMVC2	setSize(int, int)	8 Button Group
WebApplication 1	setSize(Dimension)	Combo Box
WebApplicationJSP	setToolTipText(String)	List
: Increator di 🕫	setTransferHandler (TransferHandler)	Text Field
Finspector Sea	setUI(iextUI) setVerfVinputWhenFocusTarget(boolean)	tx Text Area
G G Other Components	setVisible(boolean)	I Scroll Bar
🔄 🖸 tuto 1Bean 1 [Tuto 1Bean]		
E- [JFrame]	i Usage	₩ 20
JTextField1 [JTextField]		
	< Back Next > Finish Cancel Hep	
	<no usages=""></no>	
Q Tasks		

Sélectionner comment les données sont extraites de la source (tuto1Bean1) (sélectionner Property puis dans le popup, selectionner tutoBean1 puis la propriété myString).



#### Etape 13 : définissez la classe du main

(click droit sur le projet puis property puis selectionner MyFrame dans le popup)

netbean-tuto1 - NetBeans IDE 6.9	
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help	
1 🔁 🚰 🛃 🌗 🦿 🔀 🕞 🐨 🐨 🎲 🕨 🌇 - 🛞 -	Q. ►   Search (Ctrl+I)
Proj. 4 18 / Files       Services       and Endet Additions on all Properties ranks and Properis ranks and Properties ranks and Properties ranks and	Image: space of the space o
Militaxz TS onthor	
	30 6 INS

Etape 14 : Lancer le projet (click droit projet puis run)

I netbean-tutol - NetBeans IDE 6.9			
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help			
🕾 🚰 🖶 🦻 🤇 🔄 🖂 🐨 🐨 🐨 🚱 👘 🖓 🕨 🖏 - 🛞 -		Q. ►   Search (Ctrl+I)	
g Proj 🕼 🕷 Files Servicesava 💩 VolumeModelMVC.java 🛪 📄 JFrame1.java 🛪 🐼 TutoBean1.java 🛪 🔛 MyJFrame.java 🛪 🐼 Tuto1Bean.java 🛪		Palette	D 88
Image: Source in the source	^		
Build private void jTextField1ActionPerformed(java.awt.event.ActionEvent evt) { Clean and Build tutolBean1.setMystring(jTextField1.getText()); Clean feet Clean feet Generate Javadoc			
B S tutol0 Run private void tutolBean1PropertyChange(java.beans.PropertyChangeEvent evt) (			
Image: Set Configuration     Jiextfield2.SetIext(tutoBeall.getAystring());       Image: Set Configuration     Jiextfield2.setIext(tutoBeall.getAystring());       Image: Set Configuration     Jiextfield2.setIext(tutoBeall.getAystring());	<pre>jTextField2.setText(tutolBean1.getMystring()); } /** * @param args the command line arguments */</pre>		
Set as Main Project     public static void main (String args[]) {       Open Required Projects     java.awt.EventQueue.invokeLater(new Runnable() {       Close     public void run() {       new MyJFrame().setVisible(true);			
Rename	*		
Move Copy			₩ 8
Delete Supprimer			
Find     Ctrl+F       Share on Team Server <no usages="">       Versioning     ▶       Local History     ▶</no>	<no usages=""></no>		
Properties			
Tasks COutput			
		<b>@</b>	80   6   INS

# Travail à faire

#### Modification 1.

Lier jTextfield2 au bean et le bean au jTextfield1 de telle manière que lorsqu'on edite jTextField2, jTextfield1 est mis à jour.

#### **Modification 2.**

Ajouter un jTextField3, lier le textfield3 au bean et vice versa de telle manière que quelque soit le textfield qu'on édite, les deux autres sont mis en cohérence.