Lotus knows.

Smarter software for a Smarter Planet.

10 Selected XPage Examples

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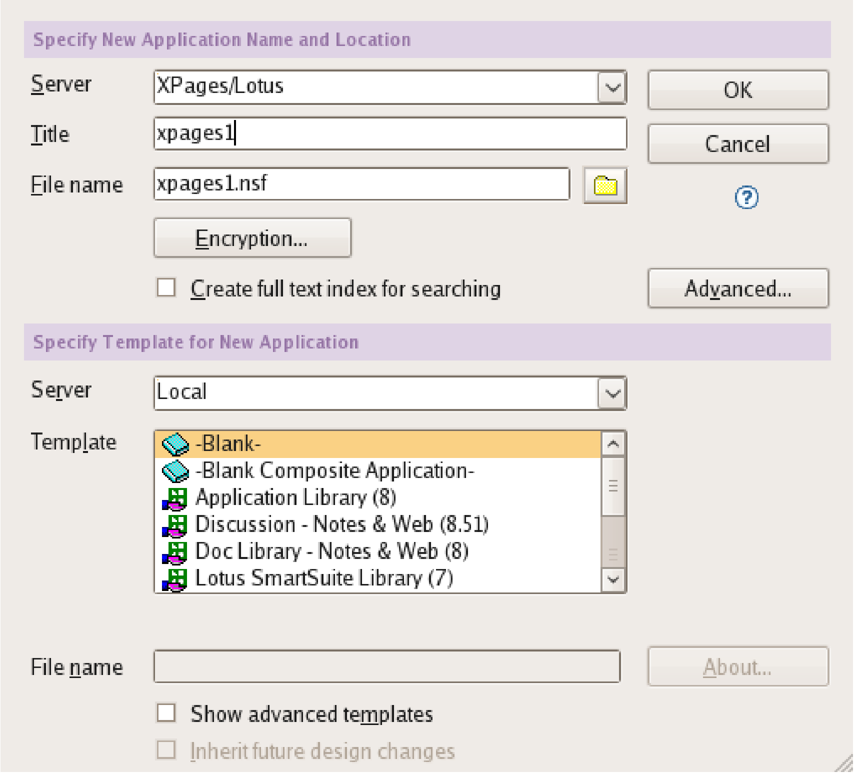
Agenda

- Hello world
- User input, simple actions and JavaScript
- Partial update and type ahead
- Style sheet and theme
- Data source of views and documents
- Composite application
- Using Java to connect to Relational DB
- Managed bean
- Use Dojo controls
- Using XPage API to create controls during run time(852 new!!)

1.1. Create a new database (<CTRL> + N) on the server and call it “xpages1”



Specify New Application Name and Location

Server: XPages/Lotus

Title: xpages1

File name: xpages1.nsf

OK
Cancel
Encryption...
□ Create full text index for searching
Advanced...

Specify Template for New Application

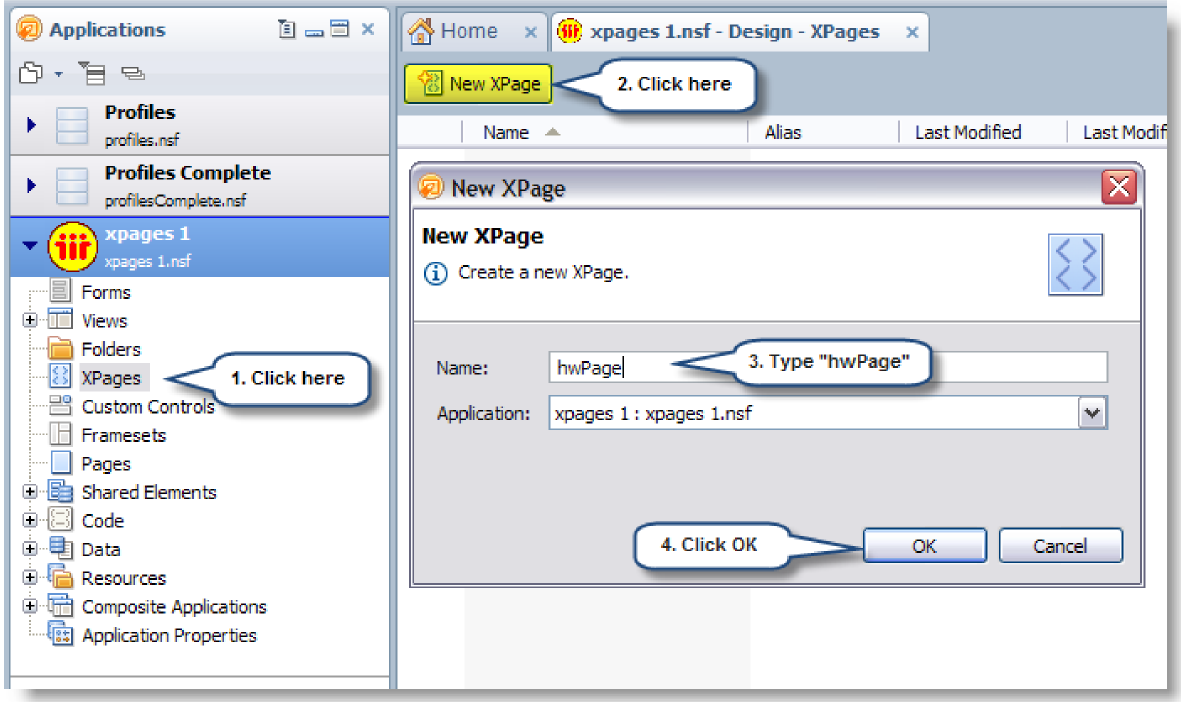
Server: Local

Template:
- -Blank-
- -Blank Composite Application-
- Application Library (8)
- Discussion - Notes & Web (8.51)
- Doc Library - Notes & Web (8)
- Lotus SmartSuite Library (7)

File name:

About...
□ Show advanced templates
□ Inherit future design changes

1.2. Create one xPage



1. Click here
2. Click here
3. Type "hwPage"
4. Click OK

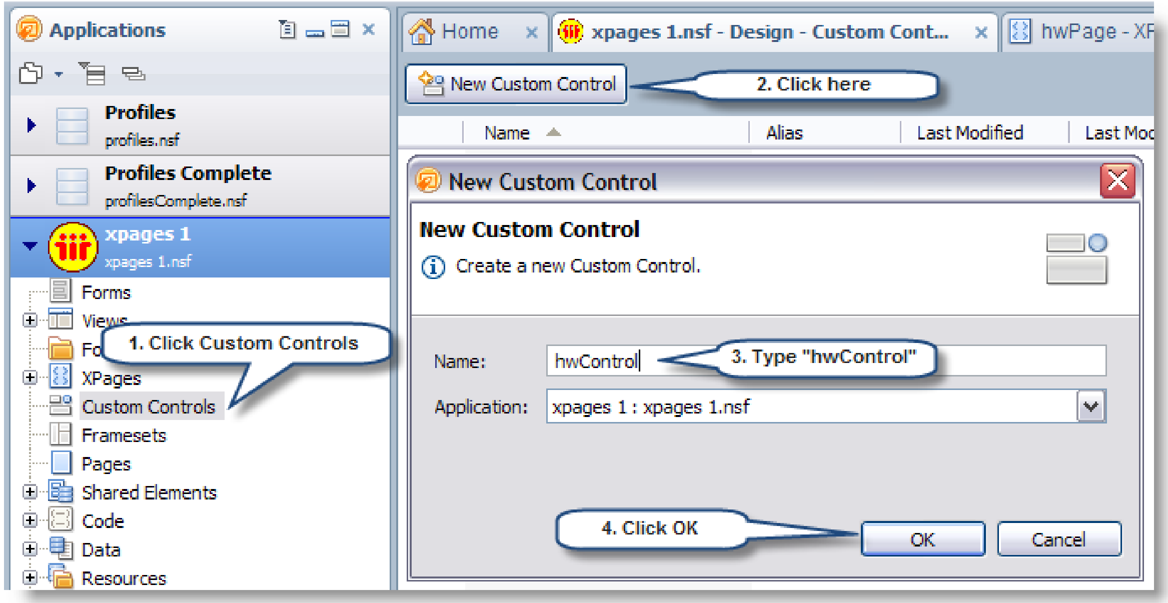
New XPage

Create a new XPage.

Name: hwPage

Application: xpages 1 : xpages 1.nsf

1.3. Create one Custom Control



1. Click Custom Controls

2. Click here

3. Type "hwControl"

4. Click OK

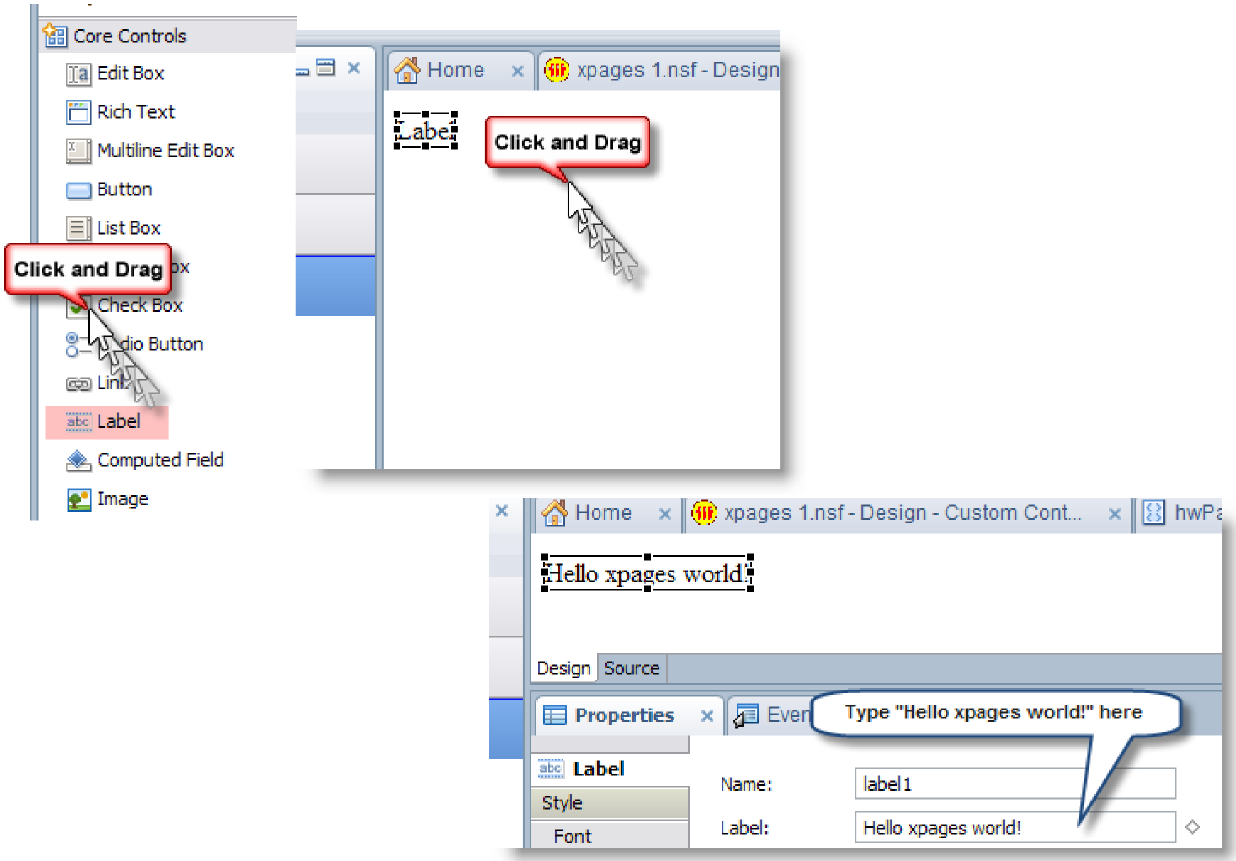
New Custom Control

Create a new Custom Control.

Name: hwControl

Application: xpages 1 : xpages 1.nsf

1.4. Add a Label control as a test control ("hello XPages world!")

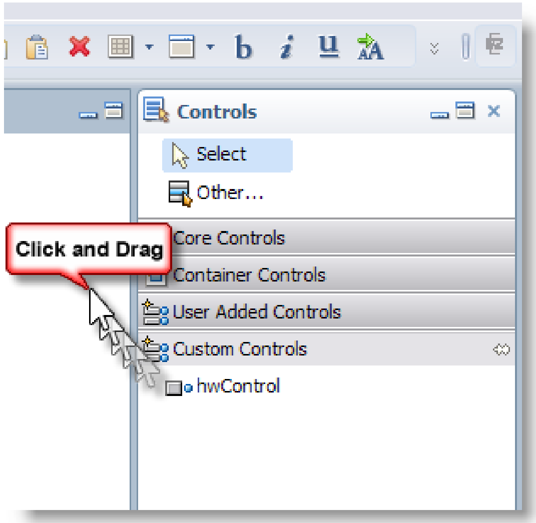


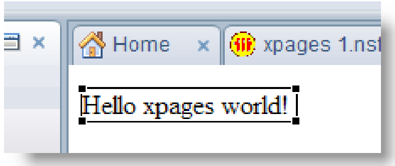
Type "Hello xpages world!" here

Name: label1

Label: Hello xpages world!

1.5 Add your new hwControl Custom Control to the XPage hwPage.

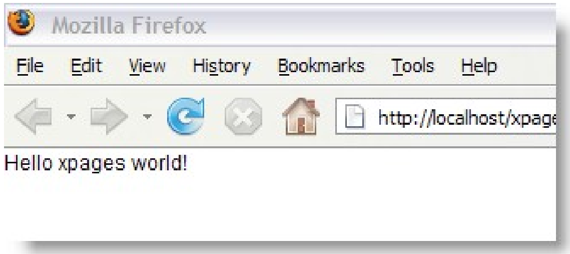




Hello xpages world!

1.7 The result

- Set the Access Control options to allow Anonymous access to Manager.
- Set web launch option in Application Properties:
  - Open designated XPage: hwPage
  - Click on “preview in browser” button



http://localhost/xpage

Hello xpages world!

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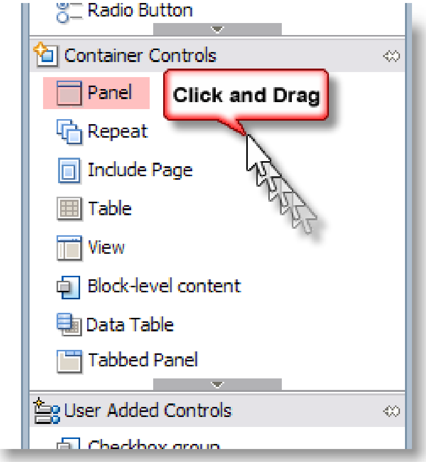
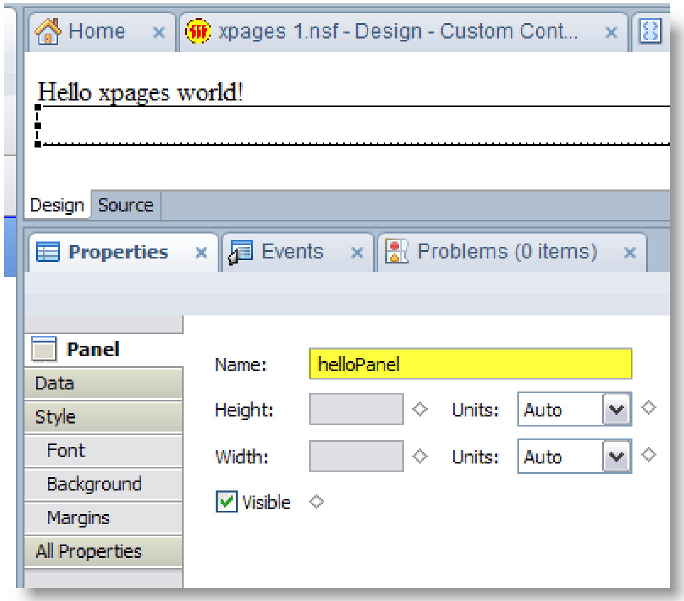
2.1 Add a panel to the hwControl Custom Control, name it “helloPanel”





Hello xpages world!

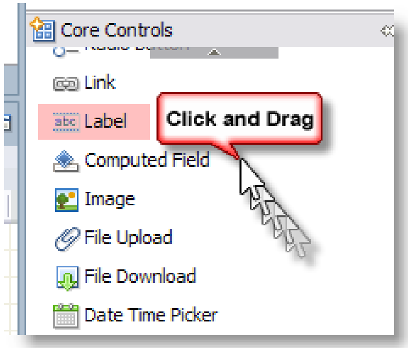
Name: helloPanel

Height: Units: Auto

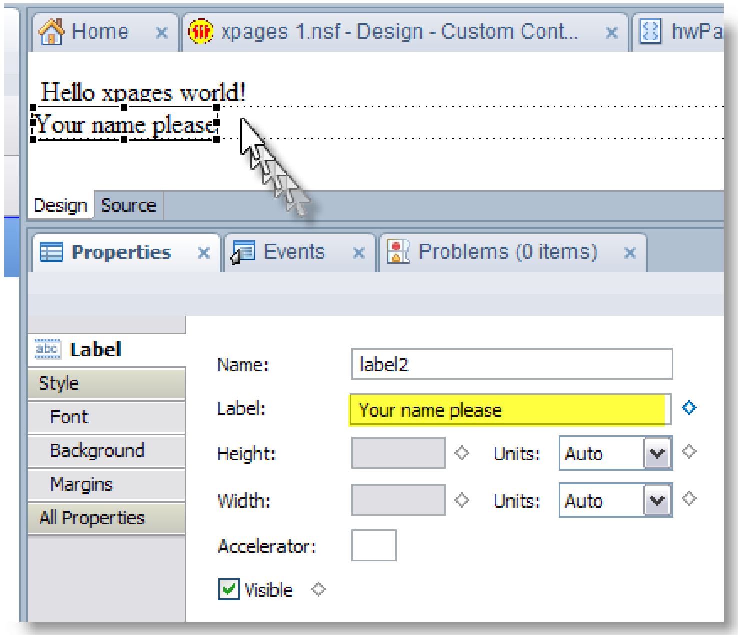
Width: Units: Auto

☑ Visible

2.2 Add a label to the panel: “Your Name please”



Click and Drag



Hello xpages world!

Your name please

Name: label2

Label: Your name please

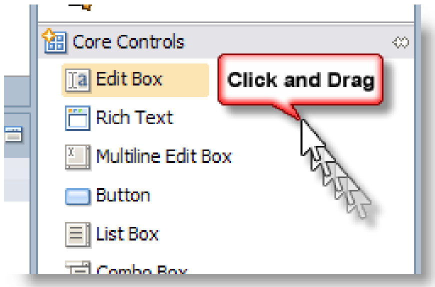
Height: Units: Auto

Width: Units: Auto

Accelerator:

☑ Visible

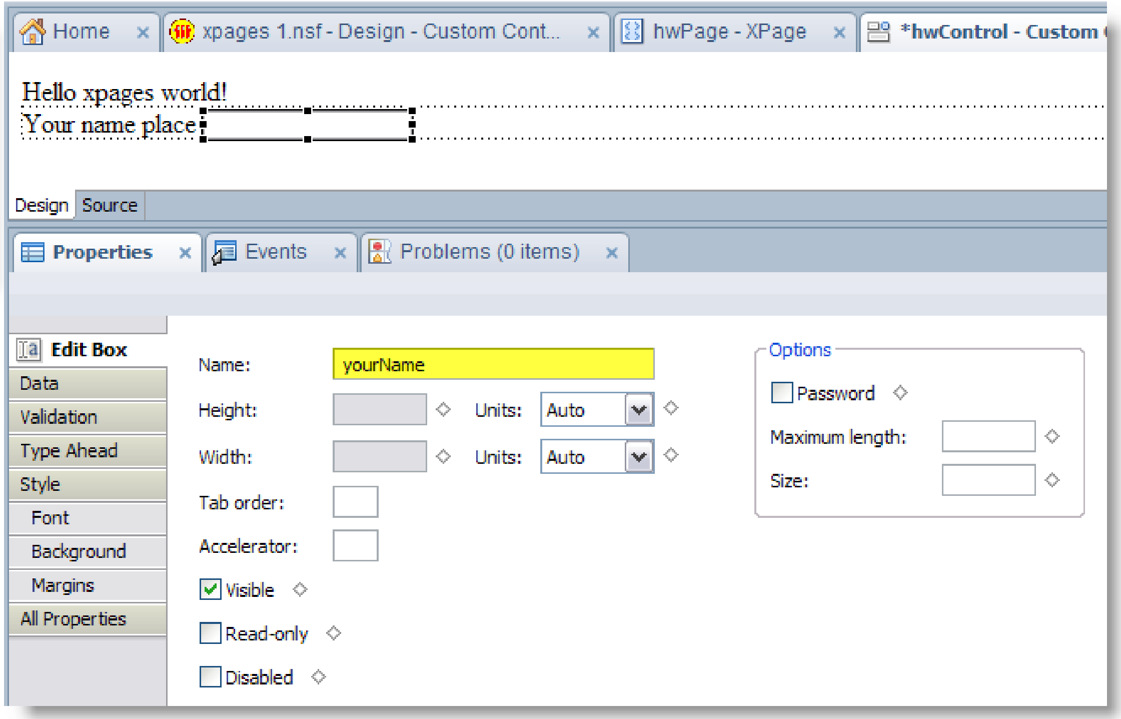
2.3 Add an Edit Box, name it yourName



Core Controls

- Edit Box
- Rich Text
- Multiline Edit Box
- Button
- List Box
- Combo Box

Click and Drag



Hello xpages world!
Your name place

Edit Box

Name: yourName

Height: Units: Auto

Width: Units: Auto

Tab order:

Accelerator:

☑ Visible

□ Read-only

□ Disabled

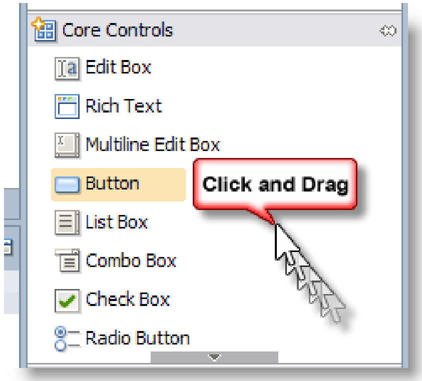
Options

□ Password

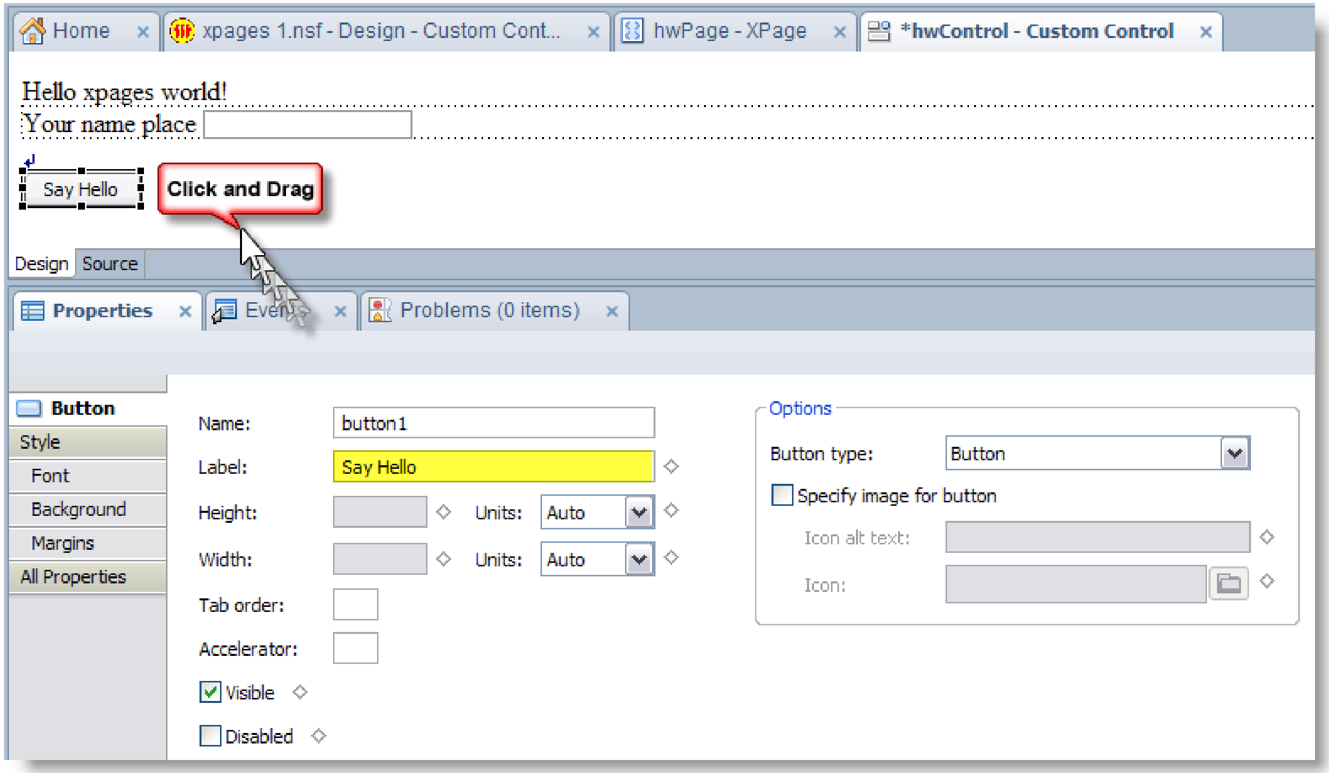
Maximum length:

Size:

2.4 Add a button label it “Say Hello”



Click and Drag



Hello xpages world!
Your name place

Click and Drag

Name: button1

Label: Say Hello

Height: Units: Auto

Width: Units: Auto

Tab order:

Accelerator:

☑ Visible

□ Disabled

Button type: Button

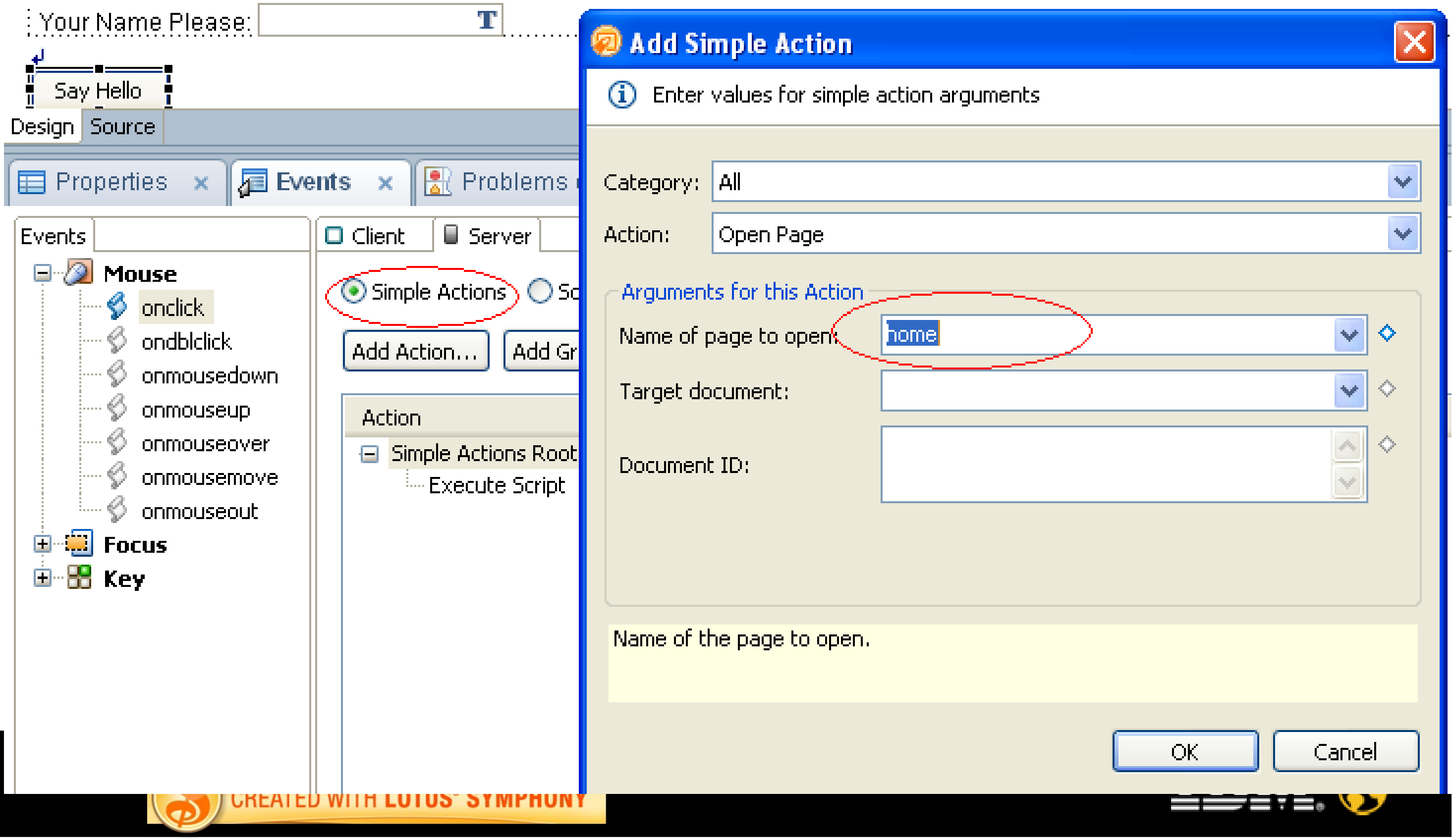
□ Specify image for button

Icon alt text:

Icon:

2.5 Simple Action: Open Page

- Create a new page, name it “home.xsp”
- For the button, add a simple action on the events tab: “Open Page” : home.xsp
- Save and view your result



Add Simple Action

Enter values for simple action arguments

Category: All

Action: Open Page

Arguments for this Action

Name of page to open: home

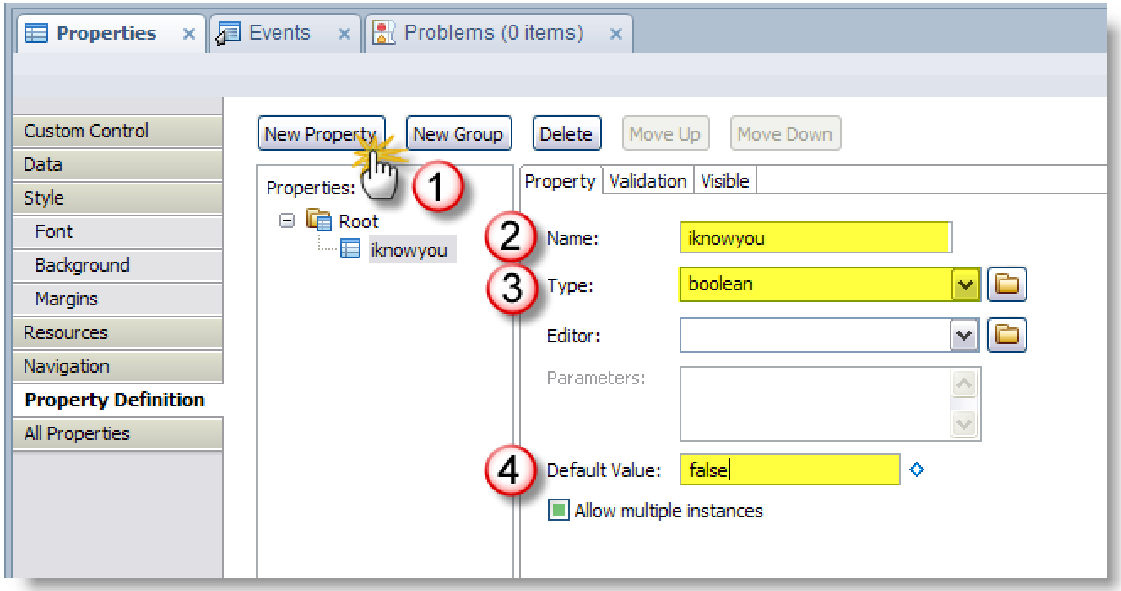
Target document:

Document ID:

Name of the page to open.

OK Cancel

2.6 Add a custom property to the custom control, Call it iknowyou



Name: iknowyou

Type: boolean

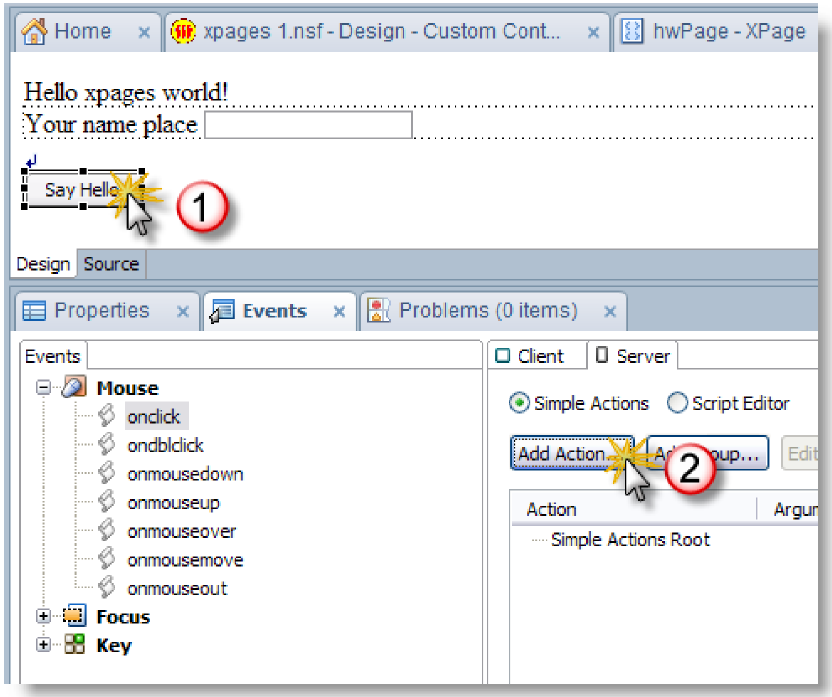
Editor:

Parameters:

Default Value: false

□ Allow multiple instances

2.7 Add code to the button's onClick event:

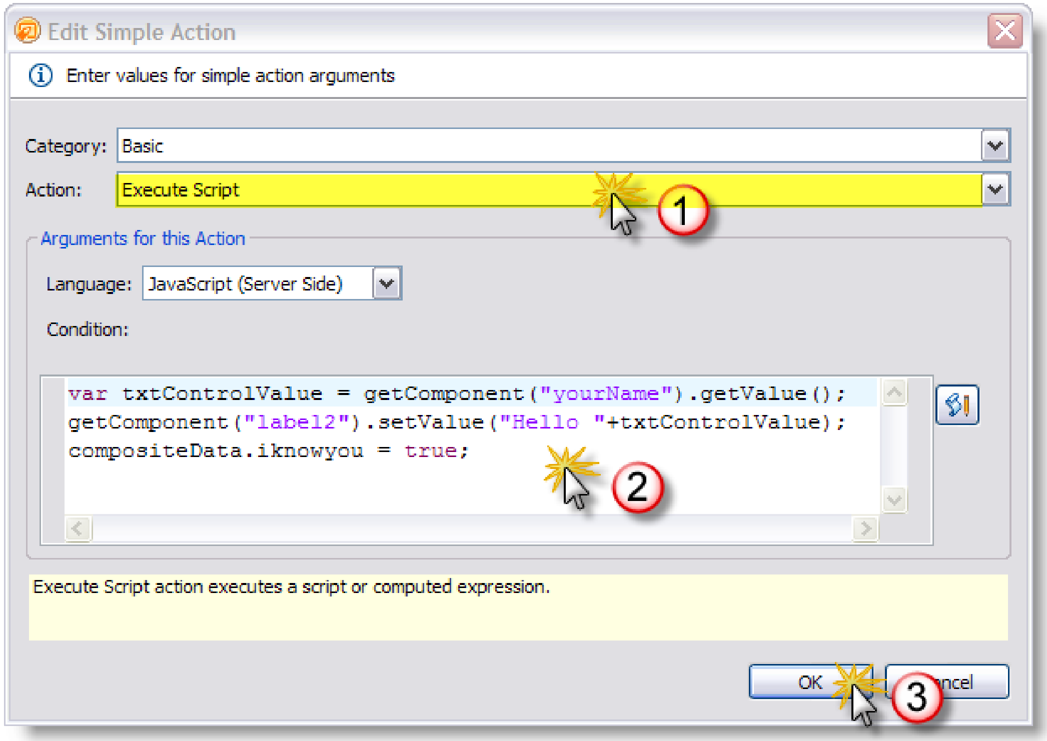


Hello xpages world!

Your name place

2.8 Basic: Execute Script.

- var txtControlValue = getComponent("yourName").getValue();
- getComponent("label2").setValue("Hello "+txtControlValue);
- compositeData.iknowyou = true;



Category: Basic

Action: Execute Script

Arguments for this Action

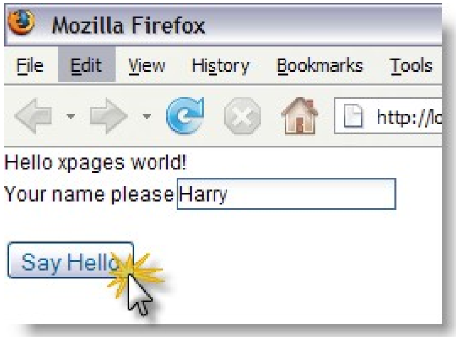
Language: JavaScript (Server Side)

Condition:

```
var txtControlValue = getComponent("yourName").getValue();
getComponent("label2").setValue("Hello "+txtControlValue);
compositeData.iknowyou = true;
```

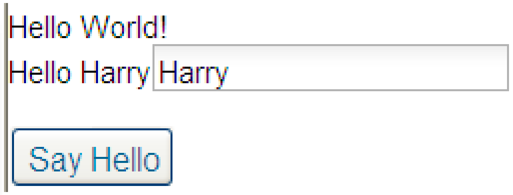
Execute Script action executes a script or computed expression.

2.9 The result



Hello xpages world!

Your name please Harry



Hello World!

Hello Harry Harry

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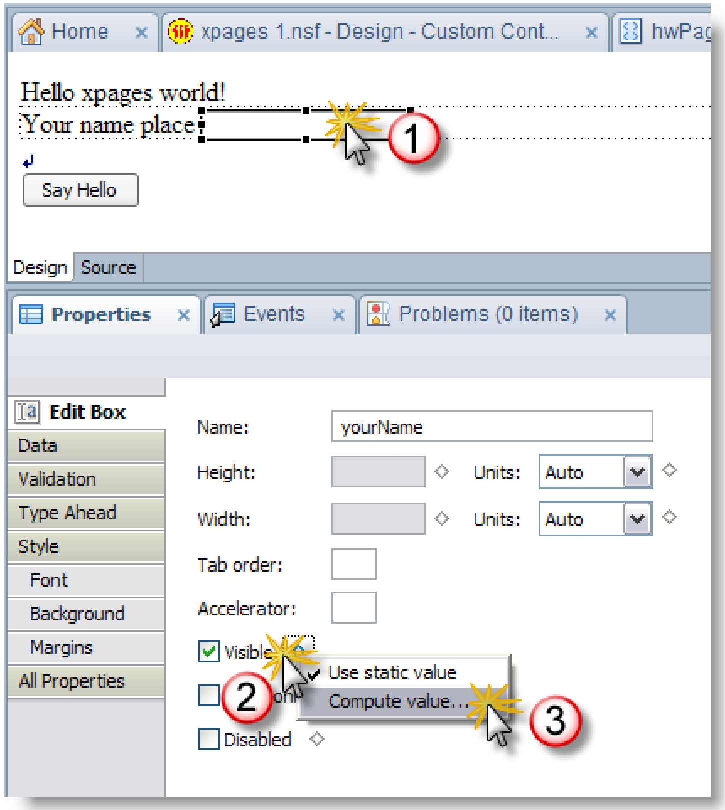
3.1 Change the "Visible" properties of the input box and the button to computed



Hello xpages world!

Your name place

Say Hello

Name: yourName

Height: Units: Auto

Width: Units: Auto

Tab order:

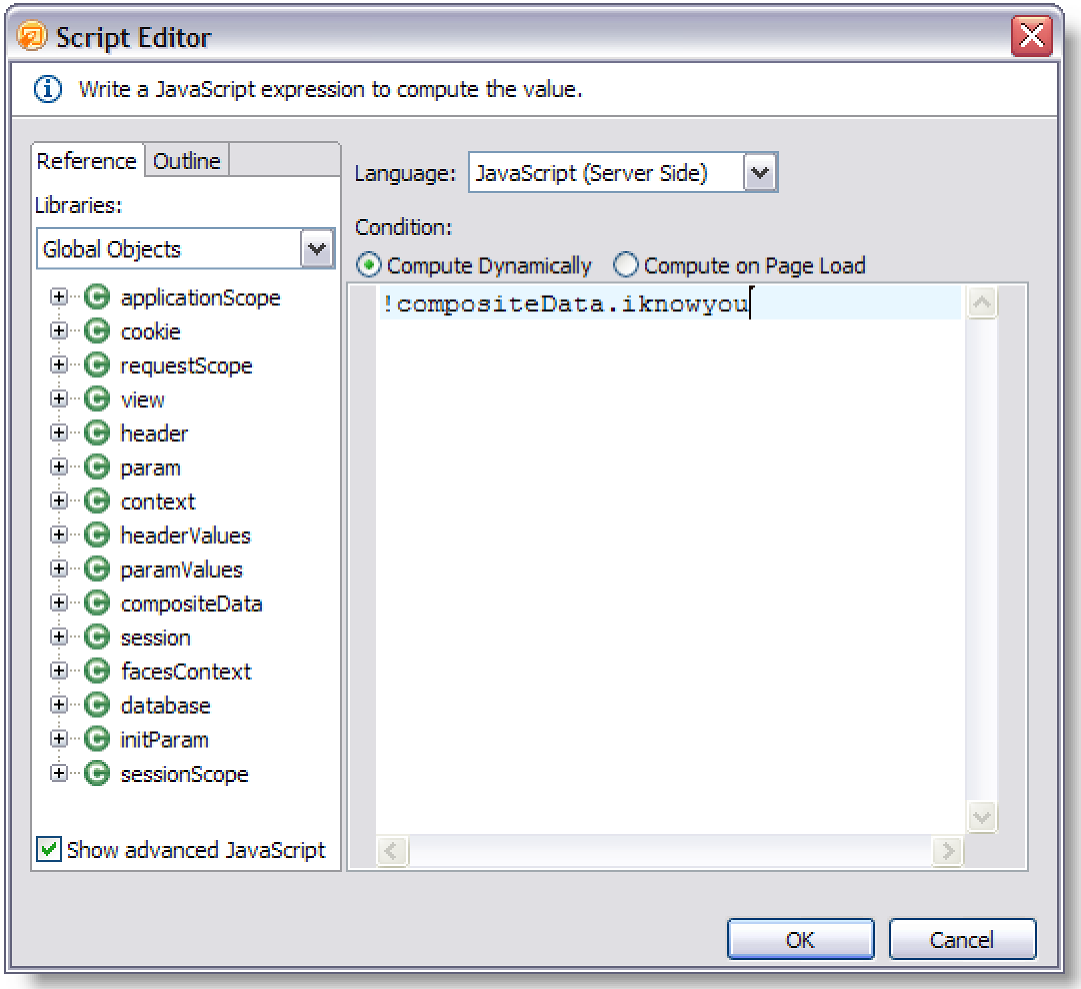
Accelerator:

☑ Visible

Use static value

Compute value...

□ Disabled



Write a JavaScript expression to compute the value.

Language: JavaScript (Server Side)

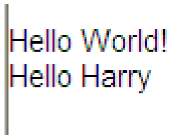
Condition: ● Compute Dynamically ○ Compute on Page Load

```
!compositeData.iknowyou
```

☑ Show advanced JavaScript

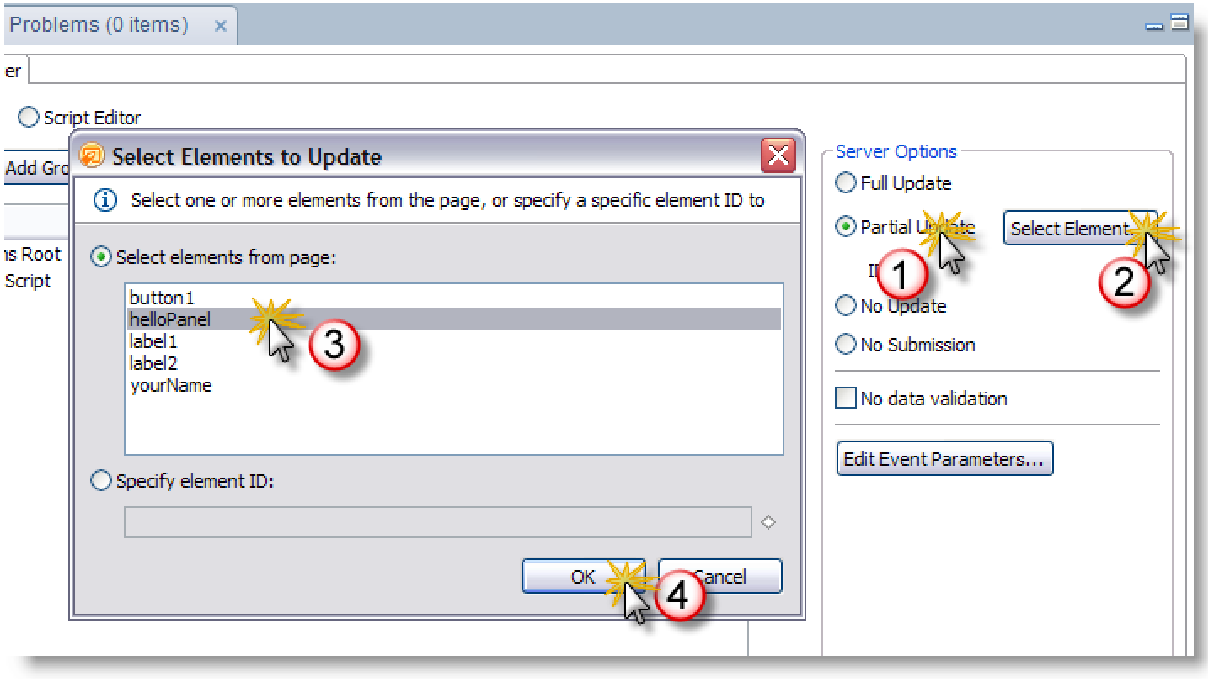
!
compositeData.iknowyou

3.2 The Result



```
Hello World!
Hello Harry
```

3.2 Change the server option for the button event to "Partial Update"



Select one or more elements from the page, or specify a specific element ID to

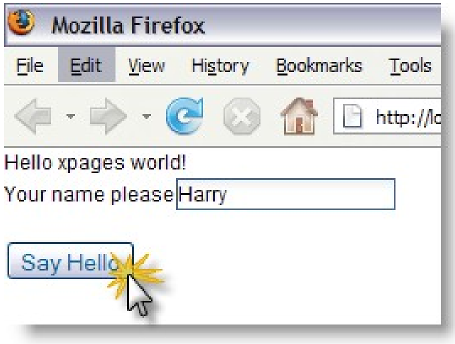
● Select elements from page:

- button1
- helloPanel
- label1
- label2
- yourName

○ Specify element ID:

○ Full Update
● Partial Update
○ No Update
○ No Submission
□ No data validation

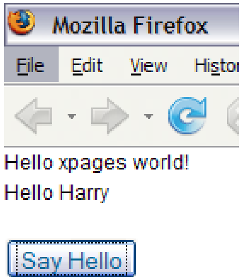
3.3 The Result



Hello xpages world!

Your name please Harry

Say Hello



Hello xpages world!

Hello Harry

Say Hello

3.4 Type ahead

- Select the edit box. On the Type-ahead tab check the “Enable type ahead” box and make the Mode “Partial”.
- Add several names like “Harry”, “Mike”, “Edward” as suggestions
- Save and view the result

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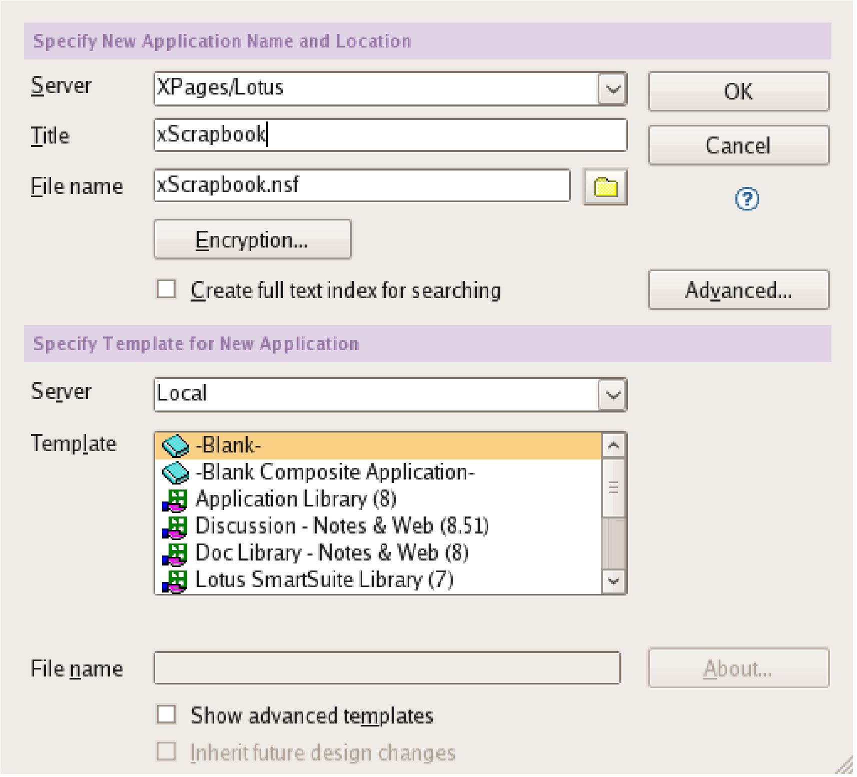
4.1 Create a new database called xScrapbook.

- Also create a custom control named container and a xpage to show the custom control



Specify New Application Name and Location

Server: XPages/Lotus

Title: xScrapbook

File name: xScrapbook.nsf

□ Create full text index for searching

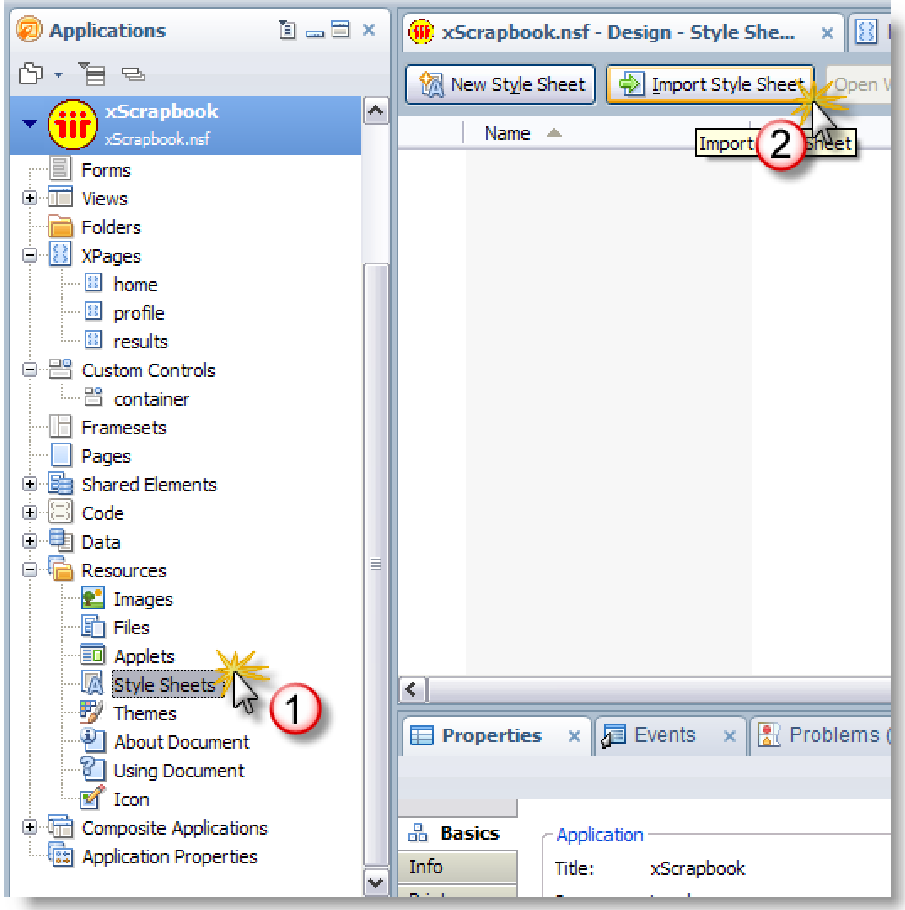
Specify Template for New Application

Server: Local

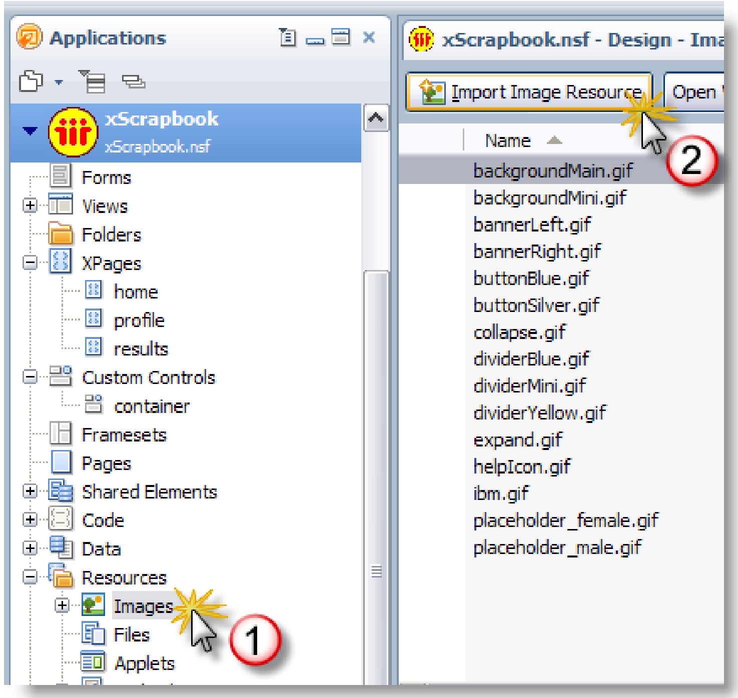
Template: -Blank-

OK
Cancel
Encryption...
Advanced...
-Blank Composite Application-
Application Library (8)
Discussion - Notes & Web (8.51)
Doc Library - Notes & Web (8)
Lotus SmartSuite Library (7)
File name
About...
□ Show advanced templates
□ Inherit future design changes

4.2 Import the css stylesheet into stylesheet resources

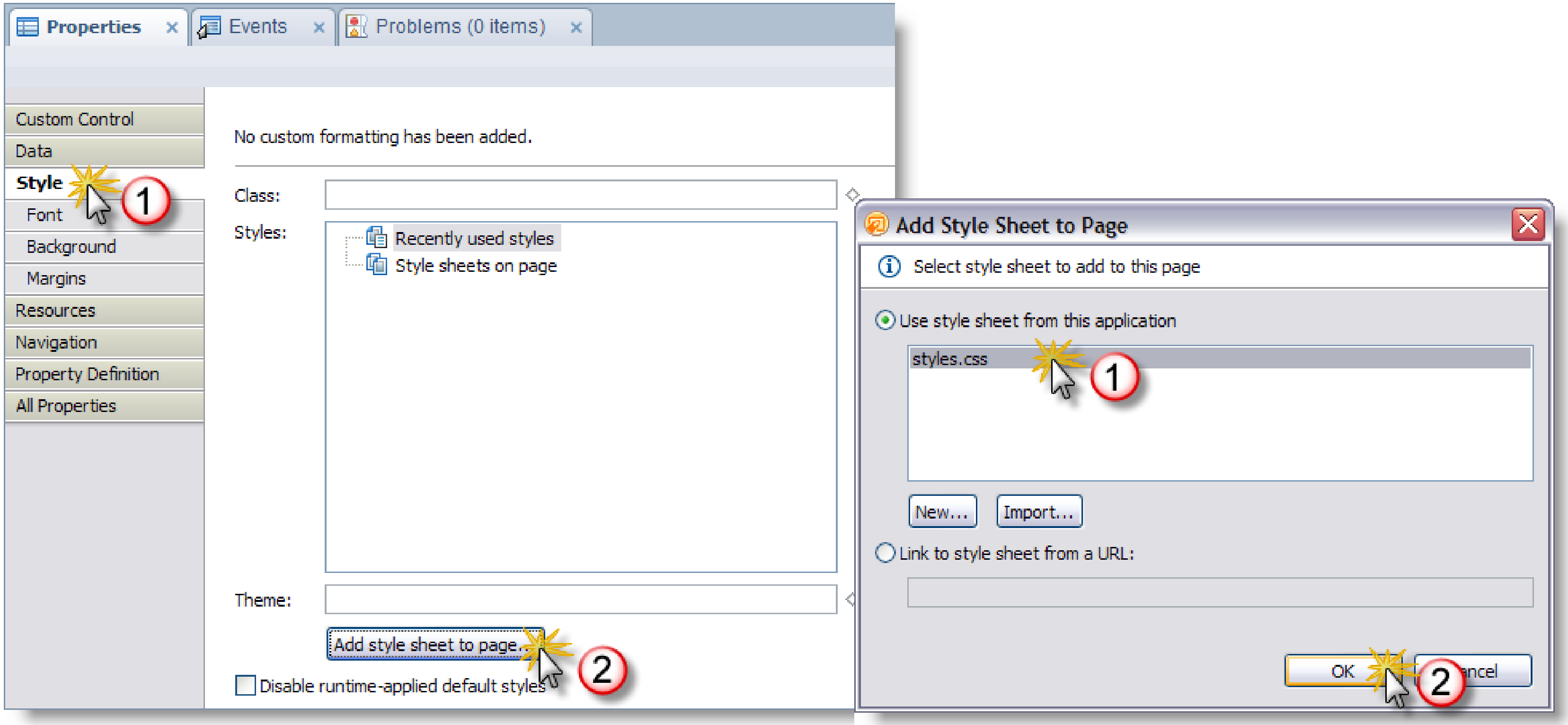


4.3 Import all of the images into image resources



backgroundMain.gif
backgroundMini.gif
bannerLeft.gif
bannerRight.gif
buttonBlue.gif
buttonSilver.gif
collapse.gif
dividerBlue.gif
dividerMini.gif
dividerYellow.gif
expand.gif
helpIcon.gif
ibm.gif
placeholder_female.gif
placeholder_male.gif

4.4 Add the style resource styles.css to the container control.



No custom formatting has been added.

Class:

Styles:
- Recently used styles
- Style sheets on page

Theme:

Add style sheet to page...

□ Disable runtime-applied default styles

Add Style Sheet to Page

Select style sheet to add to this page

● Use style sheet from this application

styles.css

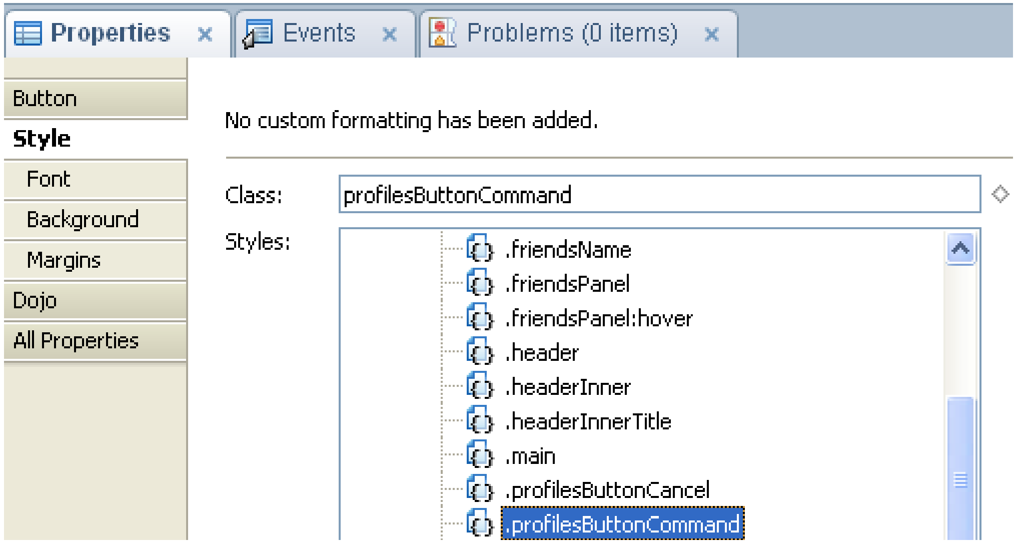
New... Import...

○ Link to style sheet from a URL:

OK Cancel

4.5 Add a button to the custom control

- Apply the class profilesButtonCommand to the button
- Save and view the result



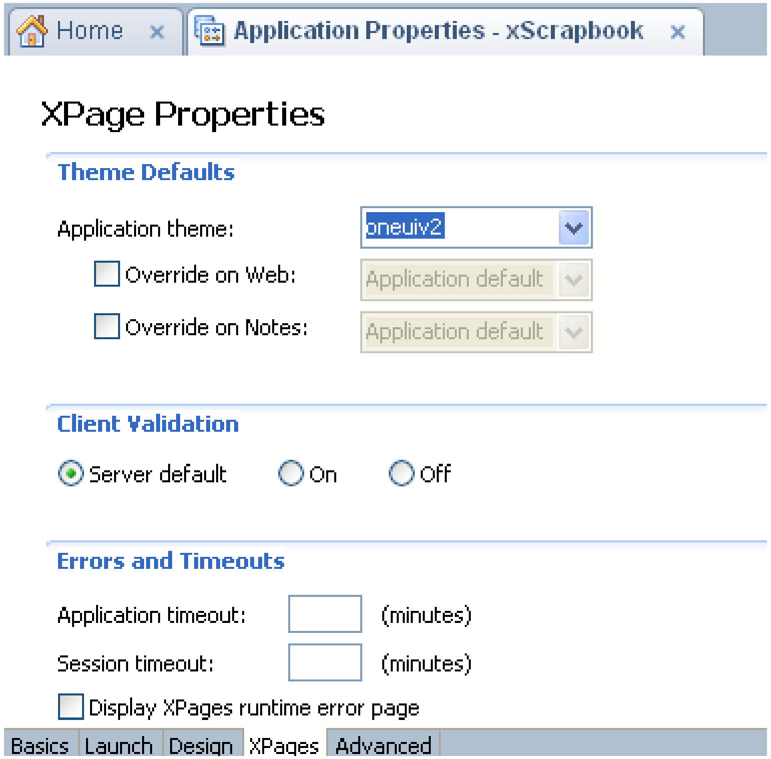
No custom formatting has been added.

Class: profilesButtonCommand

Styles:
.friendsName
.friendsPanel
.friendsPanel:hover
.header
.headerInner
.headerInnerTitle
.main
.profilesButtonCancel
.profilesButtonCommand

4.6 Application properties: OneUI theme

- Save and view the result



XPage Properties

Theme Defaults

Application theme: oneuiv2

□ Override on Web: Application default

□ Override on Notes: Application default

Client Validation

● Server default ○ On ○ Off

Errors and Timeouts

Application timeout: (minutes)

Session timeout: (minutes)

□ Display XPages runtime error page

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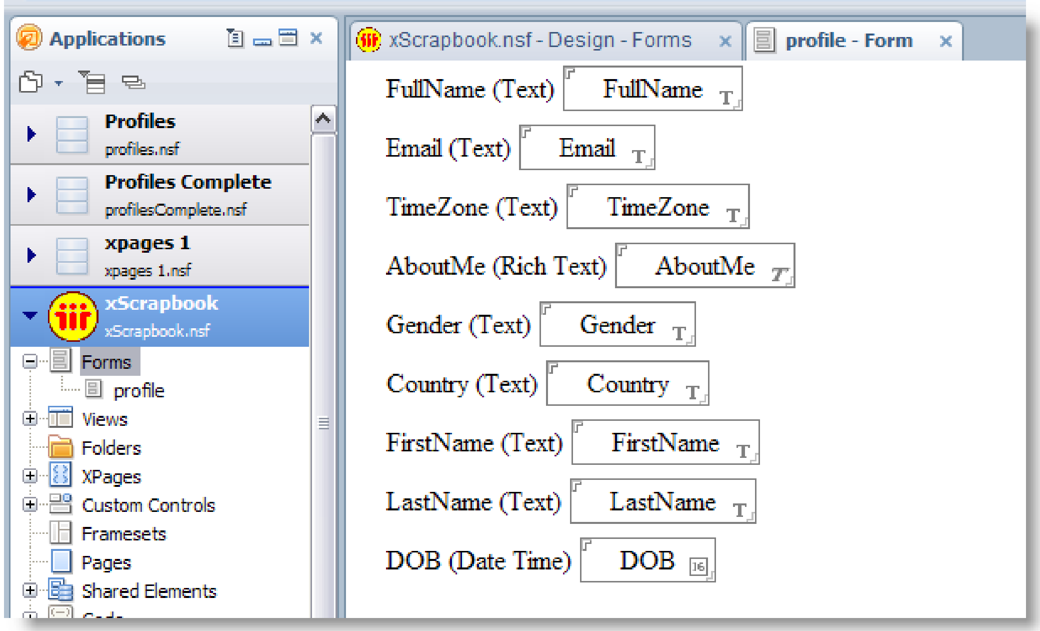
5.1 Create a new Notes form named "profile", and an XPage named "profile"

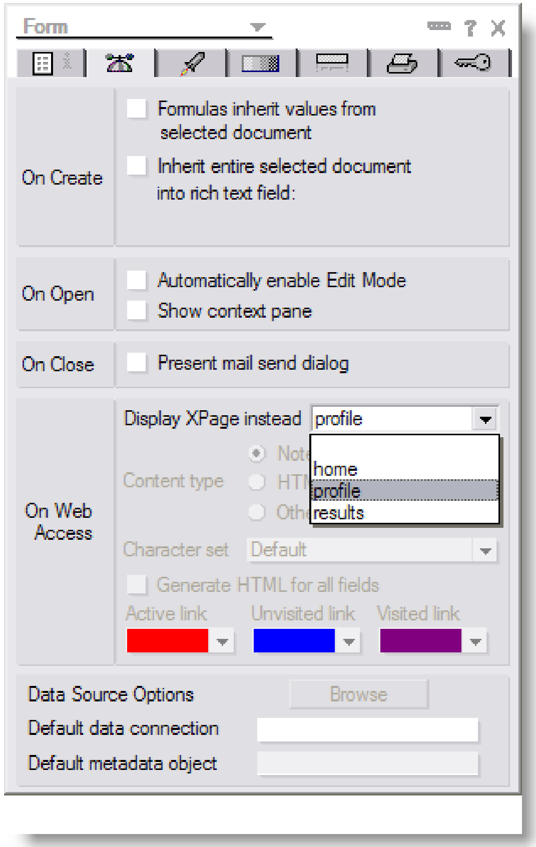
- FullName (Computed Text)
  - Formula: @Trim(FirstName + " " + LastName)
- Email (Text)
- TimeZone (Text)
- AboutMe (Rich Text)
- Gender (Text)
- Country (Text)
- FirstName (Text)
- LastName (Text)
- DOB (Date Time)



FullName (Text) FullName T
Email (Text) Email T
TimeZone (Text) TimeZone T
AboutMe (Rich Text) AboutMe T
Gender (Text) Gender T
Country (Text) Country T
FirstName (Text) FirstName T
LastName (Text) LastName T
DOB (Date Time) DOB 16

5.2 On the Form defaults for “On web access” use “Display xPage instead”

- set it to the profiles xPage



Form

On Create
□ Formulas inherit values from selected document
□ Inherit entire selected document into rich text field:

On Open
□ Automatically enable Edit Mode
□ Show context pane

On Close
□ Present mail send dialog

On Web Access
Display XPage instead: profile
home
profile
results
Content type: ● Not ○ HTI ○ Oth
Character set: Default
□ Generate HTML for all fields
Active link / Unvisited link / Visited link

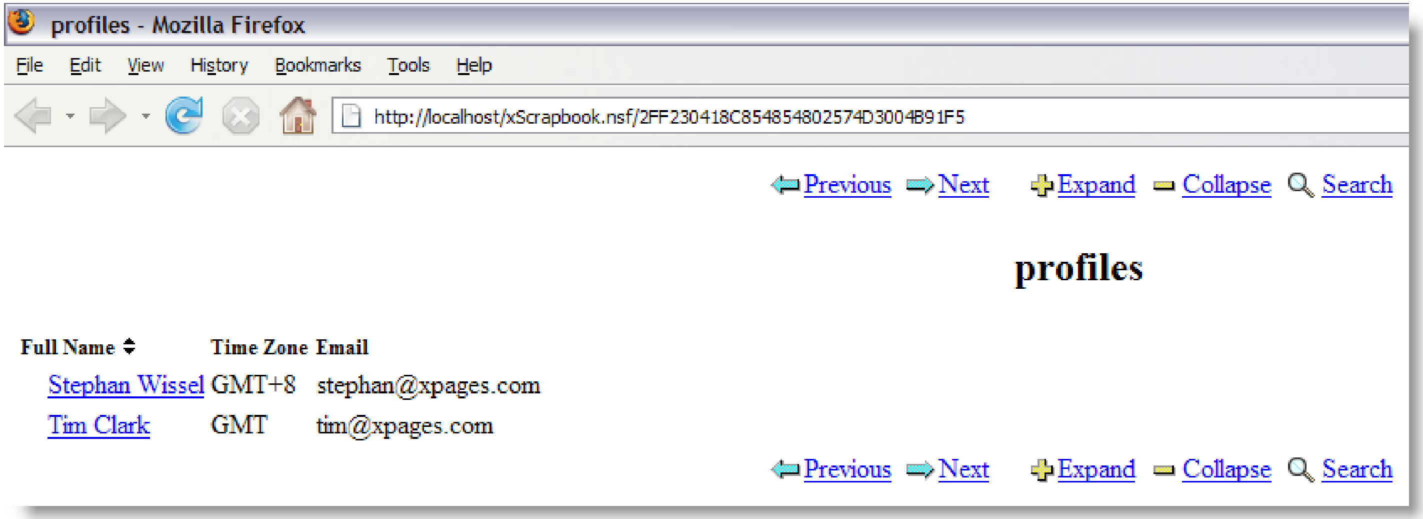
Data Source Options: Browse
Default data connection
Default metadata object

5.3 Create a new view named “profiles” with the view selection formula

- with the view selection formula
  - SELECTform=”profile”
- and the following columns:
  - FullName (Sorted Ascending, Sortable / Click to Sort – Both)
  - TimeZone
  - Email

5.4 Create some documents in the Notes Client with the profile form

- Preview the view in browser


profiles - Mozilla Firefox
File Edit View History Bookmarks Tools Help
http://localhost/xScrapbook.nsf/2FF230418C854854802574D3004B91F5
Previous Next Expand Collapse Search

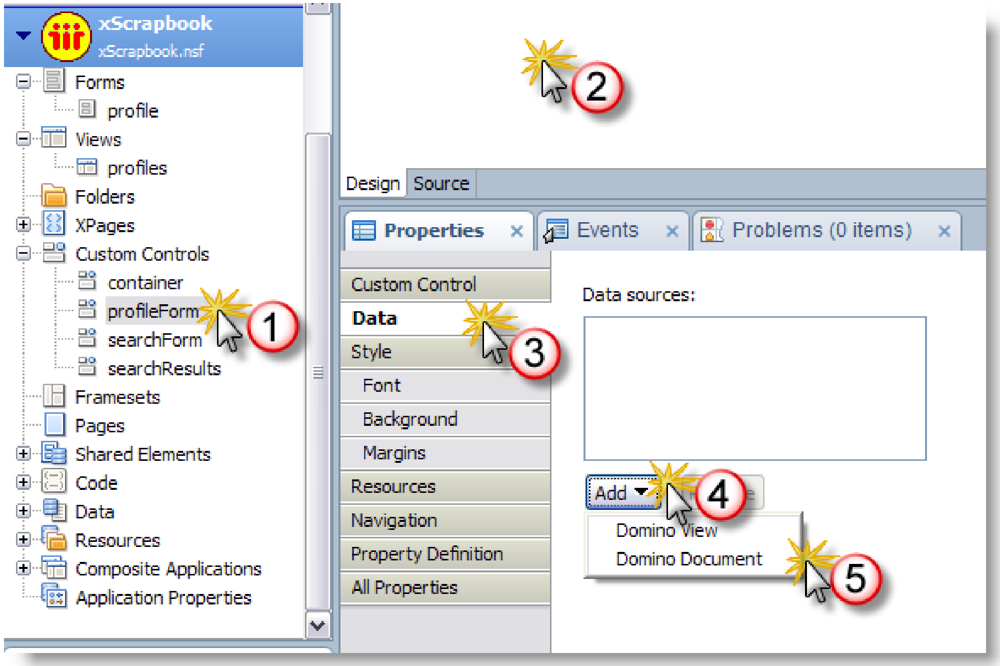
profiles

Full Name	Time Zone	Email
Stephan Wissel	GMT+8	stephan@xpages.com
Tim Clark	GMT	tim@xpages.com

Previous Next Expand Collapse Search

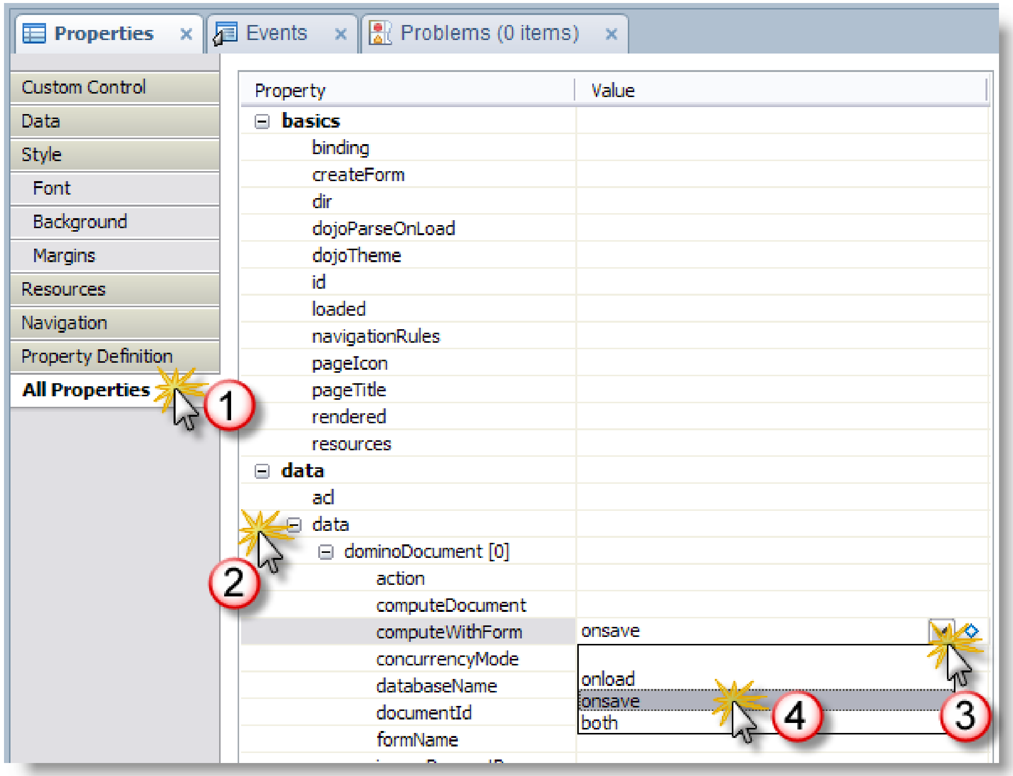
5.5 Create a custom control named "profileForm" and put it into "profile.xsp"

- On the data tab add a "Domino Document" datasource. Choose "profile" as the form



5.6 Click on the “All properties tab and expand the “data” entry

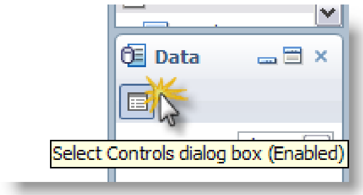
- then expand the dominoDocument entry and select “OnSave” for the computeWithForm option

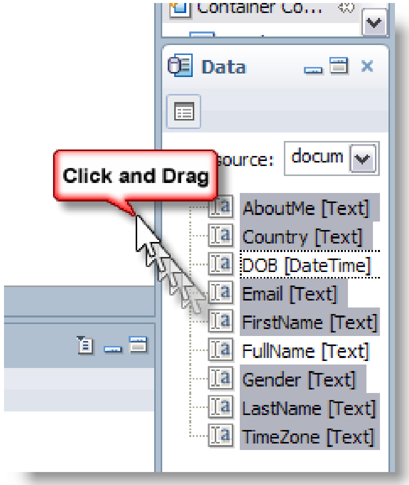


Property	Value
basics	
binding	
createForm	
dir	
dojoParseOnLoad	
dojoTheme	
id	
loaded	
navigationRules	
pageIcon	
pageTitle	
rendered	
resources	
data	
acl	
data	
dominoDocument [0]	
action	
computeDocument	
computeWithForm	onsave
concurrencyMode	onload
databaseName	onsave
documentId	both
formName	

5.7 Select the data palette and enable the "Select controls dialog box" button

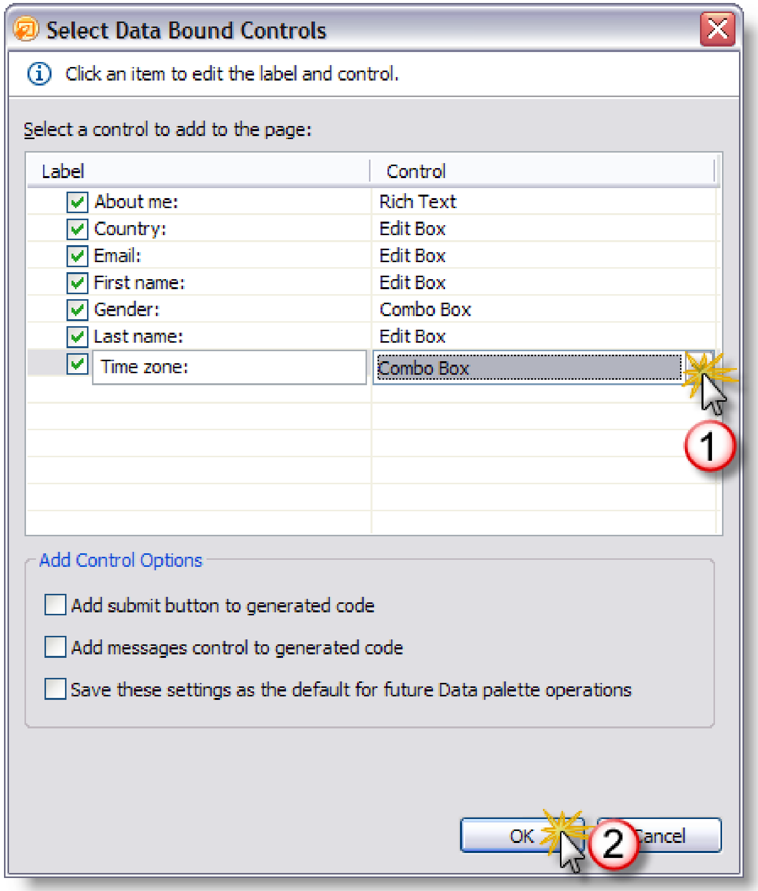
- Select all the field bindings except for "Full Name" and the "DOB"
- Drag & drop all the selected field bindings to the "profileForm" page in the design editor





5.8 In the helper dialog change the following control types

- About Me: RichText
- Gender: Combobox
- TimeZone: Combobox



Select Data Bound Controls

Click an item to edit the label and control.

Select a control to add to the page:

Label	Control
☑ About me:	Rich Text
☑ Country:	Edit Box
☑ Email:	Edit Box
☑ First name:	Edit Box
☑ Gender:	Combo Box
☑ Last name:	Edit Box
☑ Time zone:	Combo Box

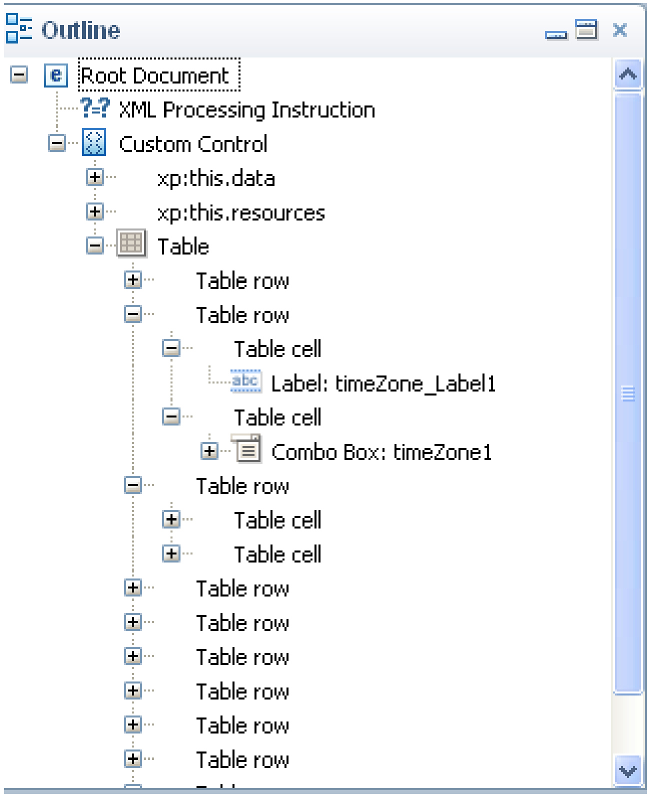
Add Control Options

□ Add submit button to generated code

□ Add messages control to generated code

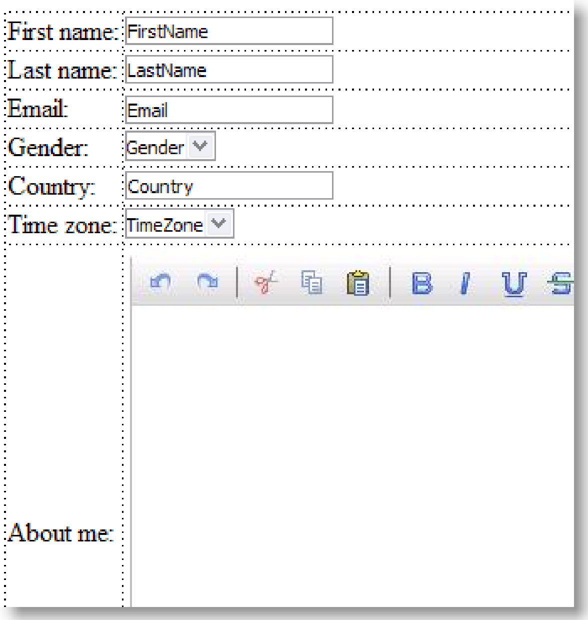
□ Save these settings as the default for future Data palette operations

5.9 Reorder the row contents using drag & drop, in the outline view



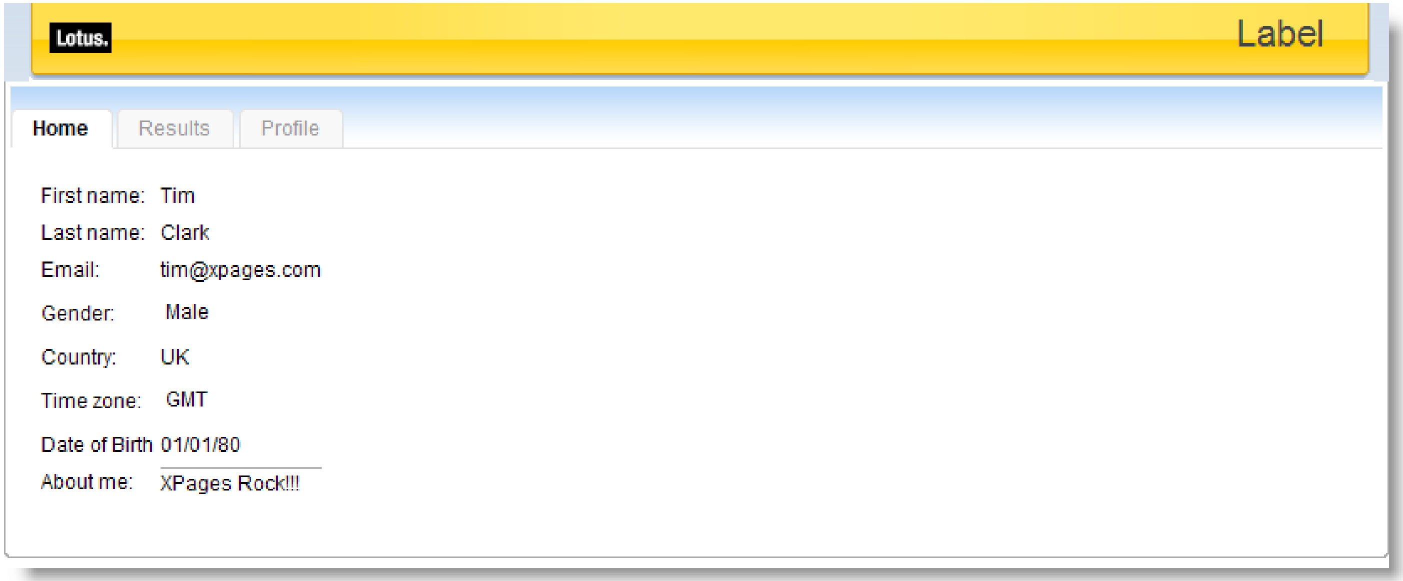
Outline

```
Root Document
  XML Processing Instruction
  Custom Control
    xp:this.data
    xp:this.resources
    Table
      Table row
      Table row
        Table cell
          Label: timeZone_Label1
        Table cell
          Combo Box: timeZone1
      Table row
        Table cell
        Table cell
      Table row
      Table row
      Table row
      Table row
      Table row
      Table row
```



First name:	FirstName
Last name:	LastName
Email:	Email
Gender:	Gender
Country:	Country
Time zone:	TimeZone
About me:	

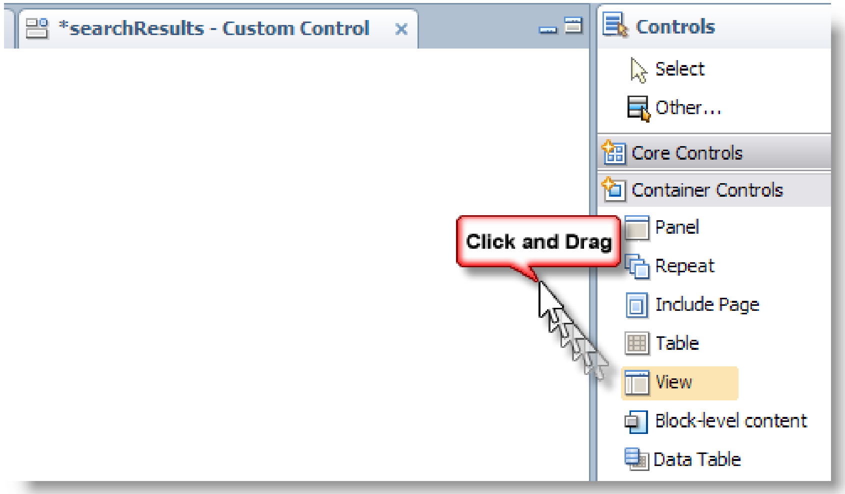
5.10 Preview the XPage for your control in your browser, empty and with data

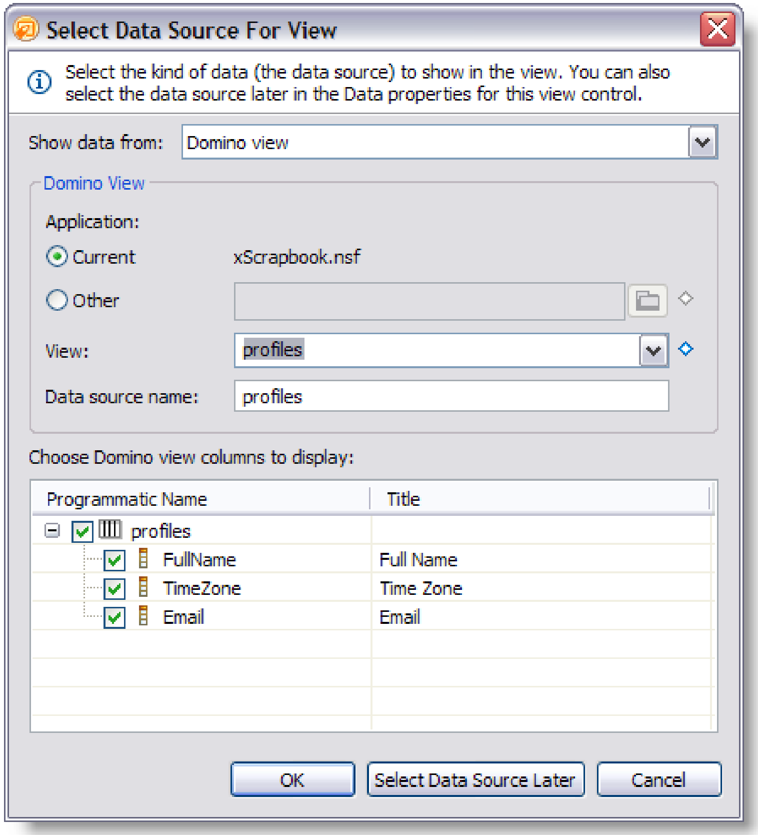


First name: Tim
Last name: Clark
Email: tim@xpages.com
Gender: Male
Country: UK
Time zone: GMT
Date of Birth 01/01/80
About me: XPages Rock!!!

5.11 Create a xpage named “results” and a custom control “searchResults”

- Drag a View Control from the control palette onto the page canvas
- Select “profiles” as the view option in the helper dialog. Press OK





Select Data Source For View

Select the kind of data (the data source) to show in the view. You can also select the data source later in the Data properties for this view control.

Show data from: Domino view

Domino View

Application:

● Current xScrapbook.nsf

○ Other

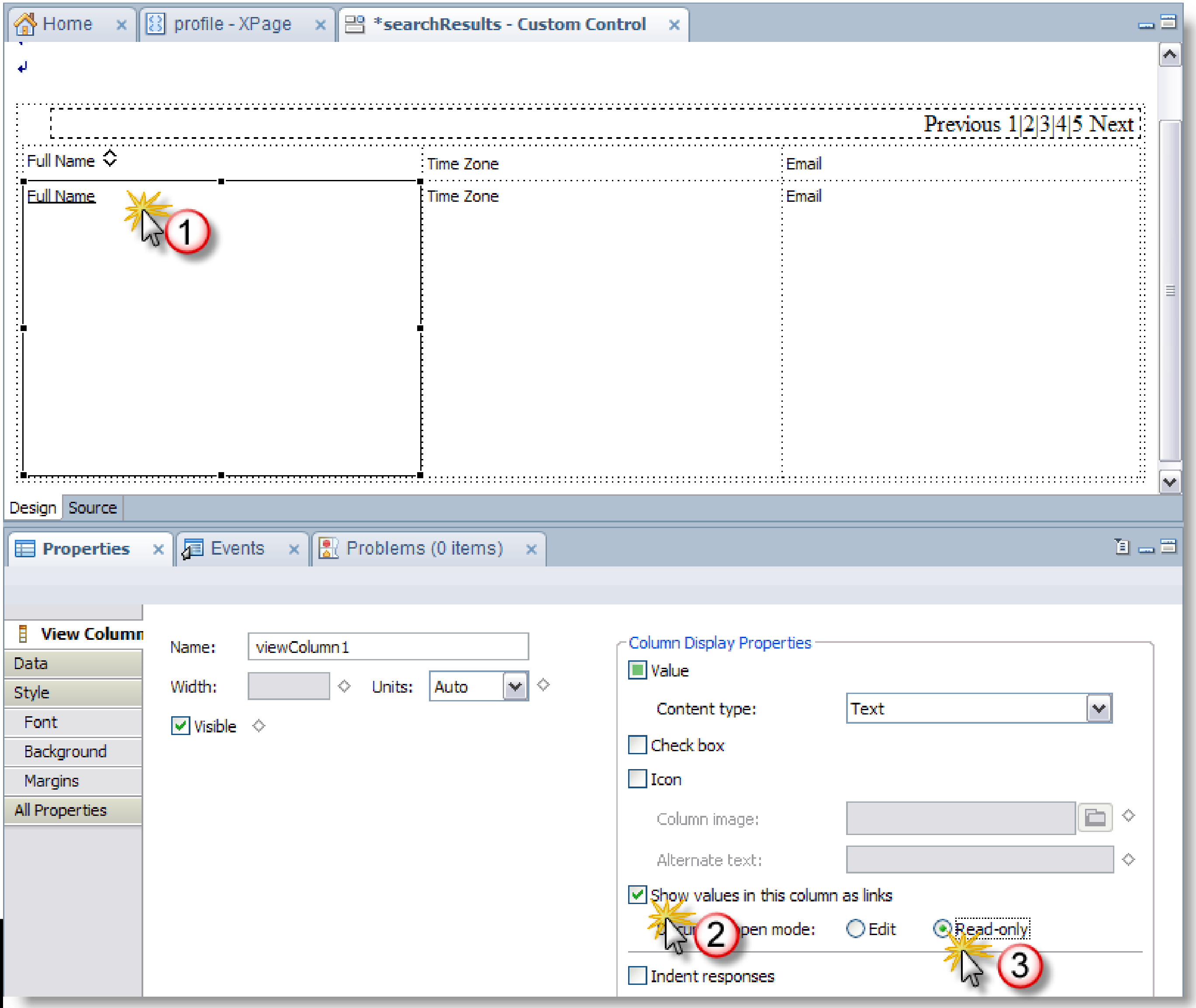
View: profiles

Data source name: profiles

Choose Domino view columns to display:

Programmatic Name	Title
☑ profiles	
☑ FullName	Full Name
☑ TimeZone	Time Zone
☑ Email	Email

5.12 Click "Full Name" column, Check "Show value in this column as links"



Name: viewColumn1

Width: Units: Auto

☑ Visible

Column Display Properties

☑ Value

Content type: Text

□ Check box

□ Icon

Column image:

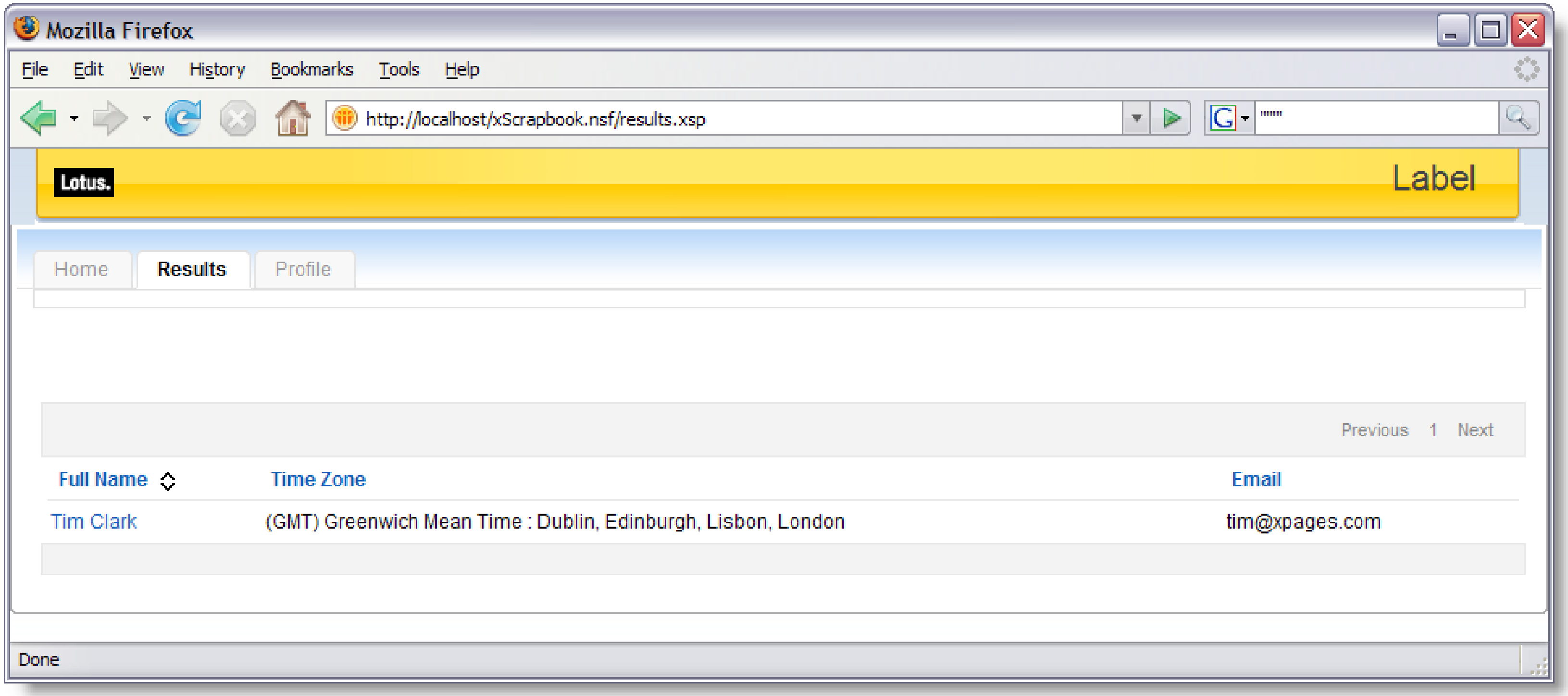
Alternate text:

☑ Show values in this column as links

Document open mode: ○ Edit ● Read-only

□ Indent responses

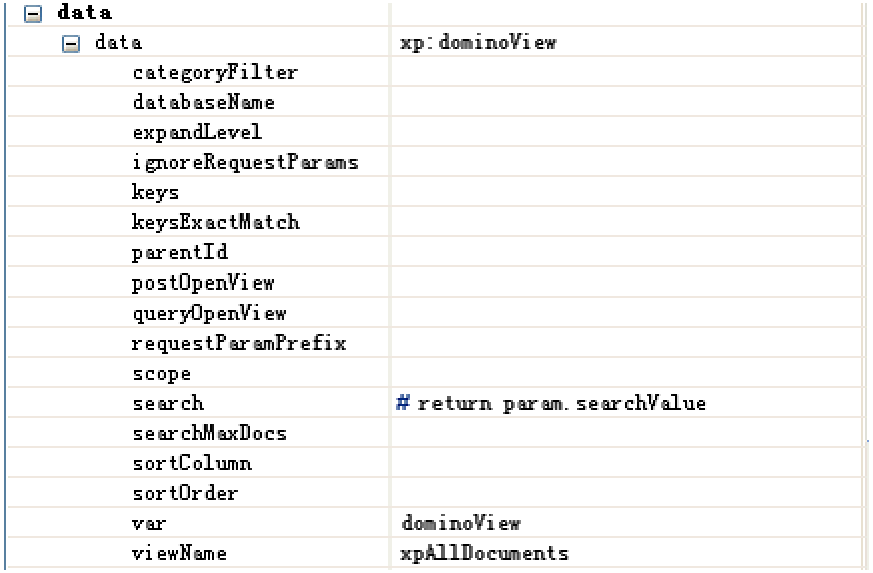
5.13 The result


Mozilla Firefox
File Edit View History Bookmarks Tools Help
http://localhost/xScrapbook.nsf/results.xsp
Lotus.
Label
Home
Results
Profile
Previous 1 Next
Done

Full Name	Time Zone	Email
Tim Clark	(GMT) Greenwich Mean Time : Dublin, Edinburgh, Lisbon, London	tim@xpages.com

5.14 Search

- In the view properties, input the search value
- Create full text index for your database
- View your result



⊟ **data**	
⊟ data	xp:dominoView
categoryFilter	
databaseName	
expandLevel	
ignoreRequestParams	
keys	
keysExactMatch	
parentId	
postOpenView	
queryOpenView	
requestParamPrefix	
scope	
search	# return param.searchValue
searchMaxDocs	
sortColumn	
sortOrder	
var	dominoView
viewName	xpAllDocuments

Agenda

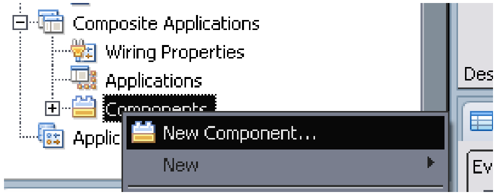
- Hello world
- User input, simple actions and JavaScript
- Partial update and type ahead
- Style sheet and theme
- Data source of views and documents
- Composite application
- Using Java to connect to Relational DB
- Managed bean
- Use Dojo controls
- Using XPage API to create controls during run time(852 new!!)

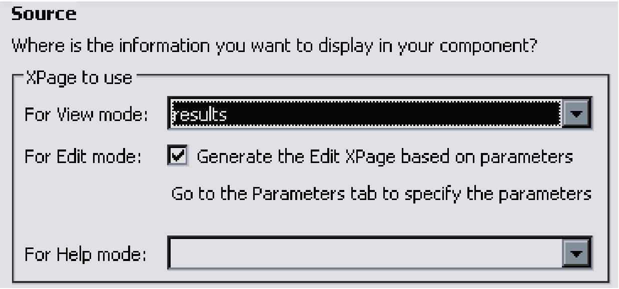
6.1 Navigate to Composite Applications > Components.

Right-click on New Component.

Name the new component MyViewComponent.

Select results as the XPage to use for View mode




Source

Where is the information you want to display in your component?

XPage to use

For View mode: results

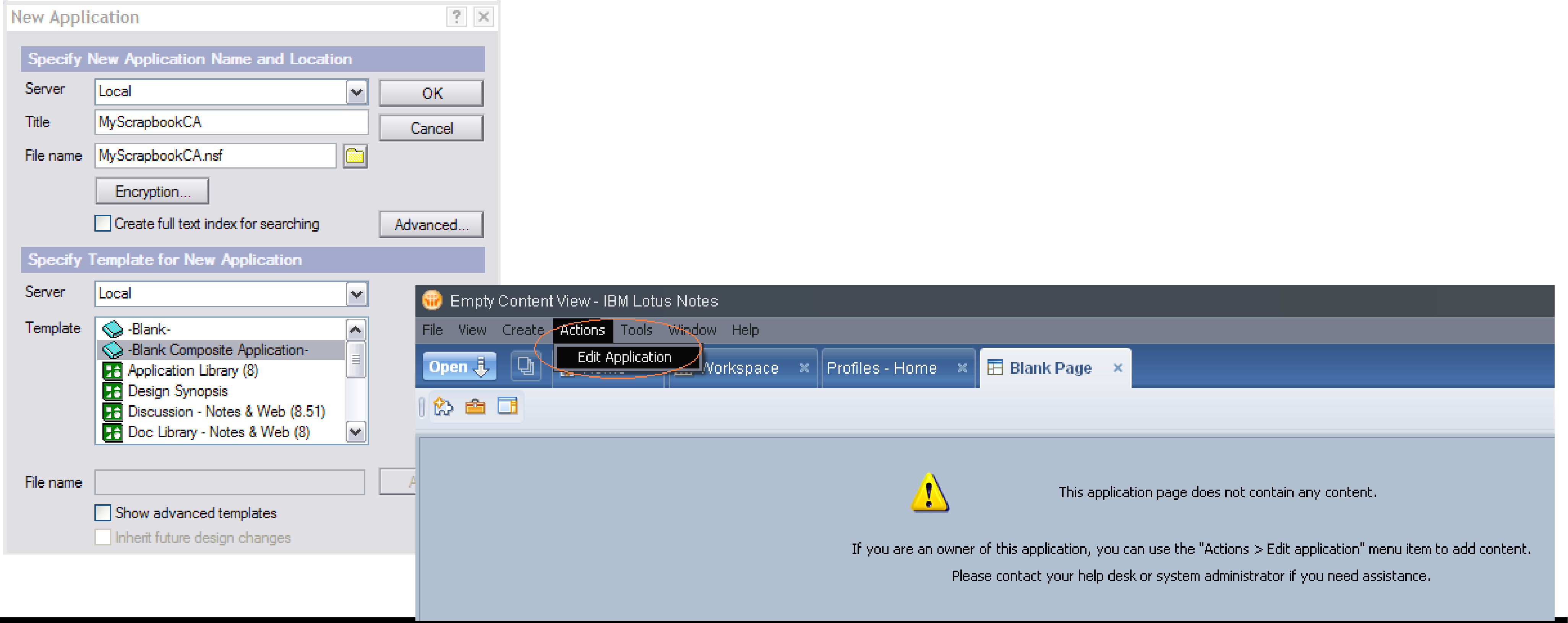
For Edit mode: ☑ Generate the Edit XPage based on parameters

Go to the Parameters tab to specify the parameters

For Help mode:

6.2 Save the new component and navigate back to Lotus Notes

- Create a new Composite Application MyScrapbookCA there. Select the – Blank Composite Application – template for the new application.
- From the Actions menu, select Edit Application



New Application

Specify New Application Name and Location

Server: Local

Title: MyScrapbookCA

File name: MyScrapbookCA.nsf

□ Create full text index for searching

Specify Template for New Application

Server: Local

Template: -Blank-, -Blank Composite Application- (selected), Application Library (8), Design Synopsis, Discussion - Notes & Web (8.51), Doc Library - Notes & Web (8)

File name:

□ Show advanced templates

□ Inherit future design changes

Empty Content View - IBM Lotus Notes

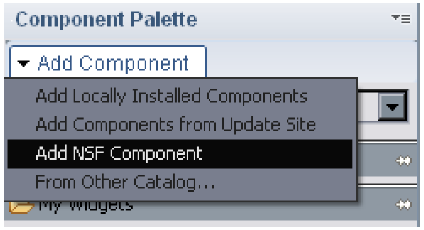
This application page does not contain any content.

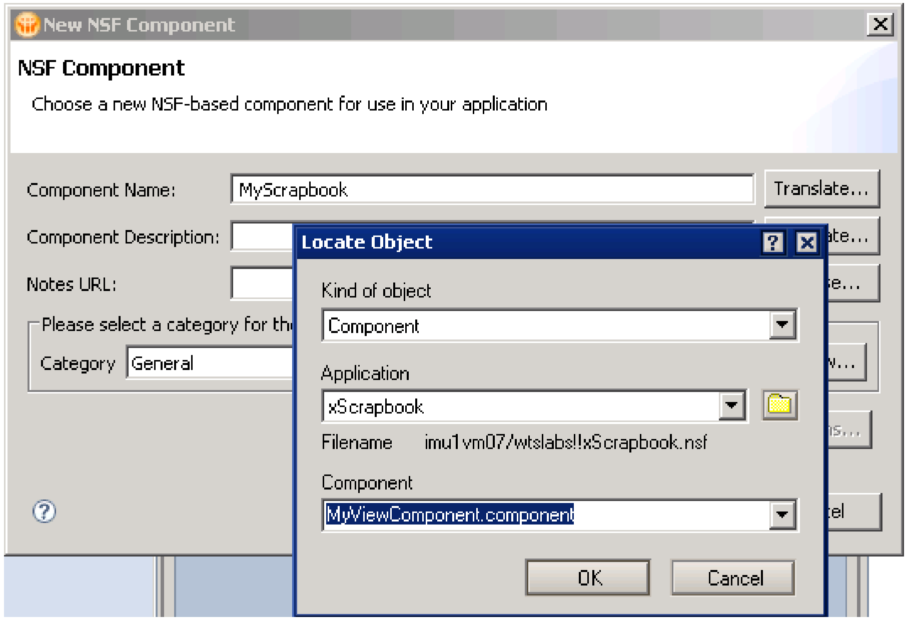
If you are an owner of this application, you can use the "Actions > Edit application" menu item to add content.

Please contact your help desk or system administrator if you need assistance.

6.3 From the Add Component dropdown, select Add NSF Component

- Name the new component MyScrapbook
- Select Browse and – from the Domino server – choose your Scrapbook application. Locate the MyViewComponent.component element. Click OK twice




New NSF Component

NSF Component

Choose a new NSF-based component for use in your application

Component Name: MyScrapbook

Component Description:

Notes URL:

Please select a category for th

Category General

Locate Object

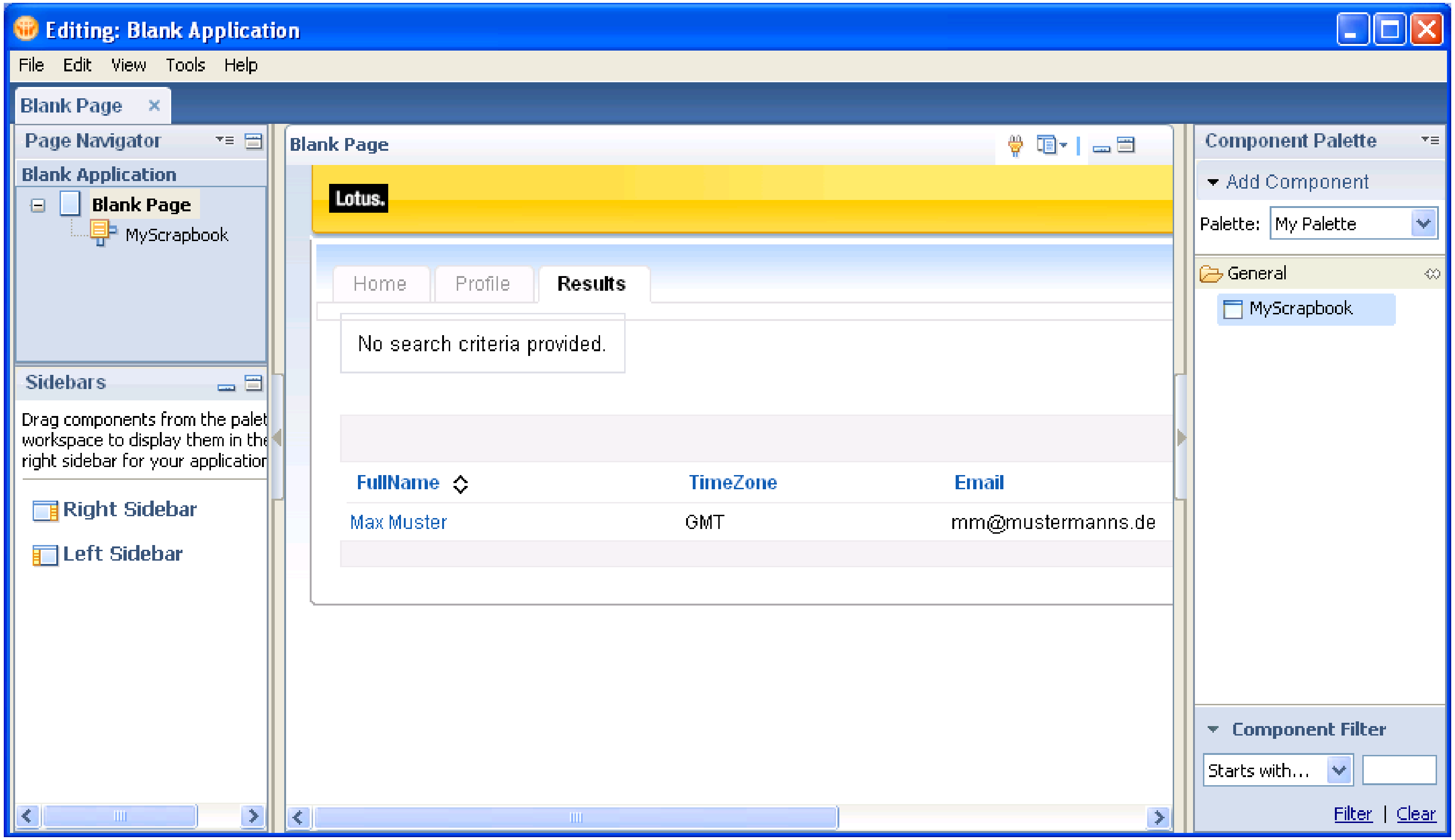
Kind of object: Component

Application: xScrapbook

Filename imu1vm07/wtslabs!!xScrapbook.nsf

Component: MyViewComponent.component

6.4 Drag the MyScrapbook component into the empty middle area and drop it

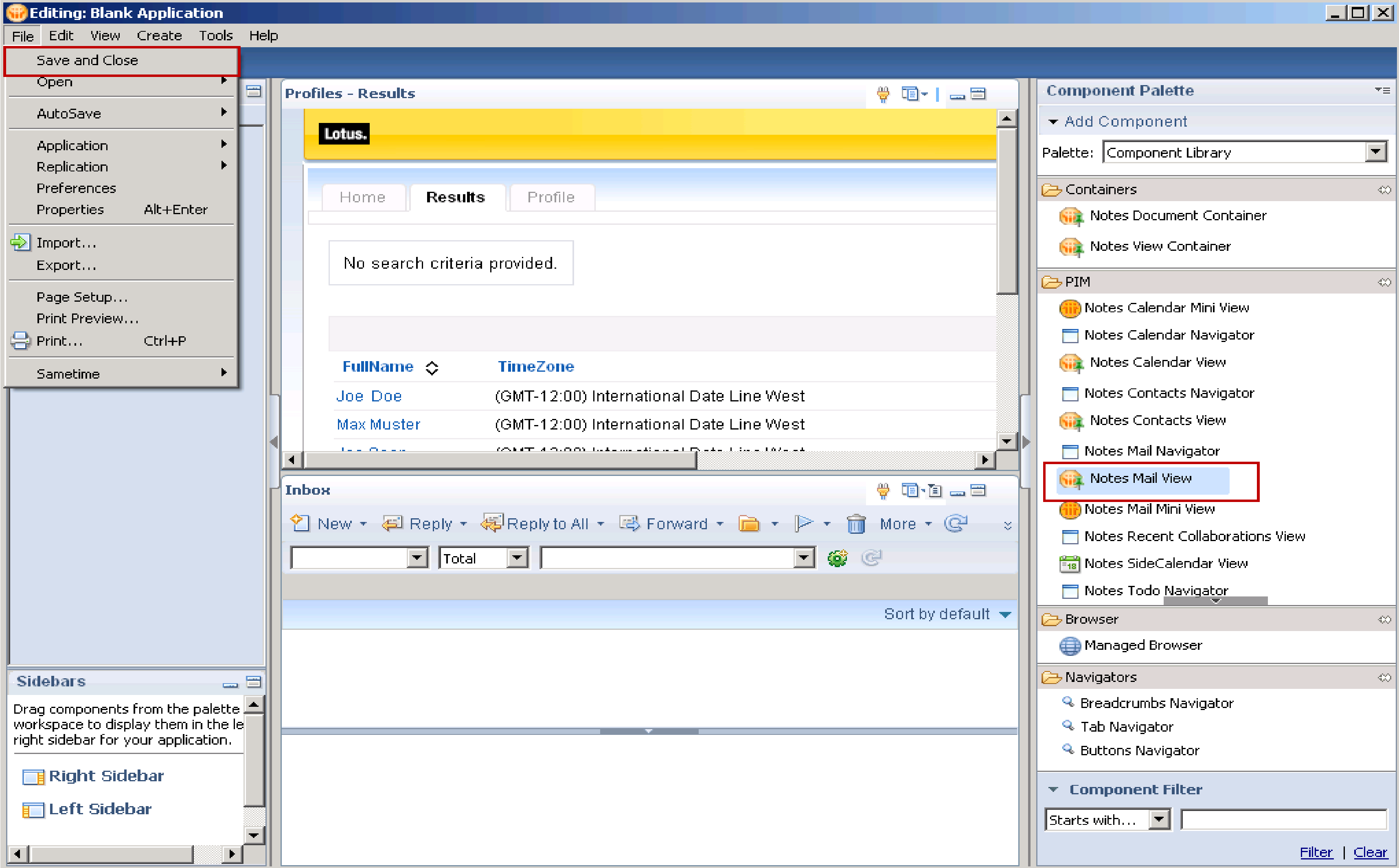


Drag components from the palet workspace to display them in the right sidebar for your applicatior

No search criteria provided.

FullName	TimeZone	Email
Max Muster	GMT	mm@mustermanns.de

6.5 Drag the Notes Mail View component to the lower end and drop it



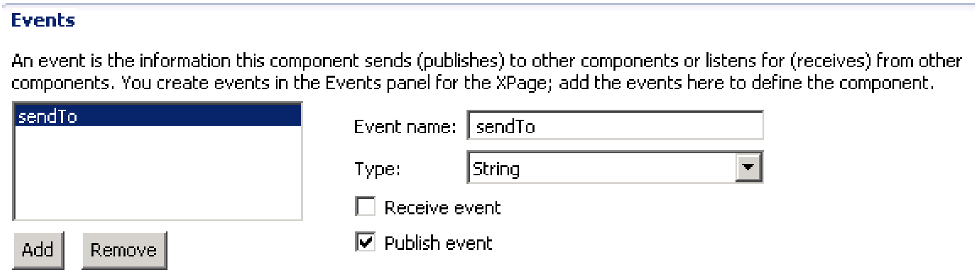
No search criteria provided.

FullName	TimeZone
Joe Doe	(GMT-12:00) International Date Line West
Max Muster	(GMT-12:00) International Date Line West

Drag components from the palette workspace to display them in the le right sidebar for your application.

6.6 Define events

- Switch back to Domino Designer and navigate to the MyViewComponent component. Add an event sendTo which publishes a String property. Save the component



Events

An event is the information this component sends (publishes) to other components or listens for (receives) from other components. You create events in the Events panel for the XPage; add the events here to define the component.

sendTo

Event name: sendTo

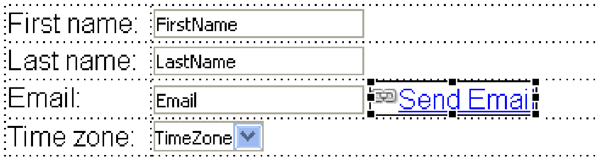
Type: String

□ Receive event

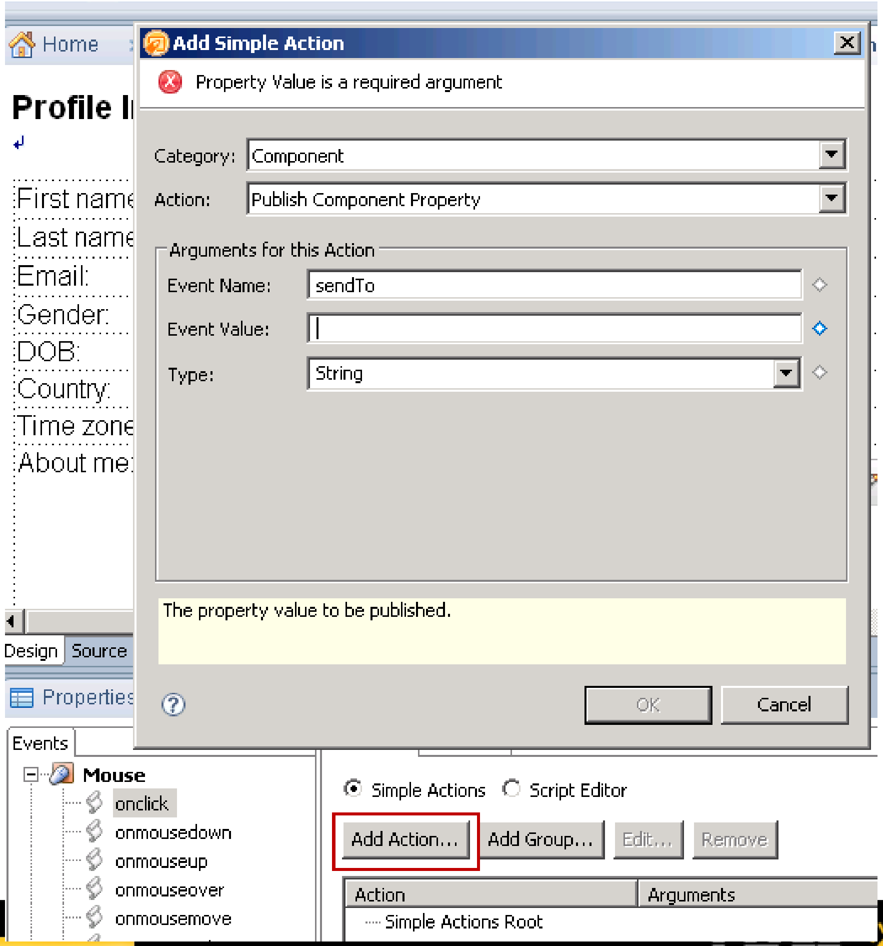
☑ Publish event

6.7 Open the profileForm custom control, create a Send Email URL Link control

- Assign a new client-side Simple Action to that link. From the Category drop-down, select Component and let the link publish our new component property
- Select Compute value… to specify the Event Value



First name:	FirstName	
Last name:	LastName	
Email:	Email	Send Email
Time zone:	TimeZone	



Add Simple Action

Property Value is a required argument

Category: Component

Action: Publish Component Property

Arguments for this Action

Event Name: sendTo

Event Value:

Type: String

The property value to be published.

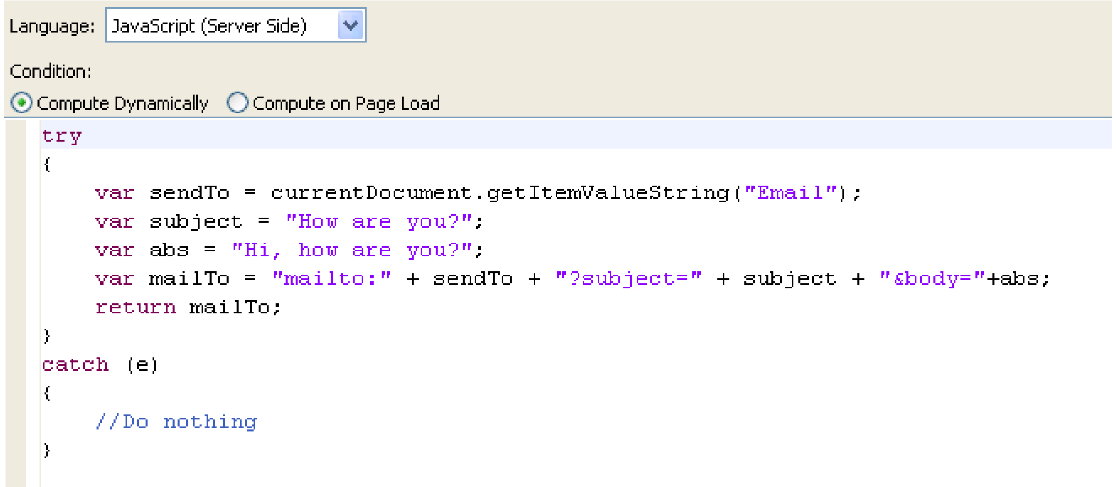
Events

● Simple Actions ○ Script Editor

Action	Arguments
Simple Actions Root	

6.8 Add the following code and Save

```
try
{
var sendTo = currentDocument.getItemValueString("Email");
var subject = "How are you?";
var abs = "Hi, how are you?";
var mailTo = "mailto:" + sendTo + "?subject=" + subject + "&body=" + abs;
return mailTo;
}
catch(e)
{
}
```



Language: JavaScript (Server Side)

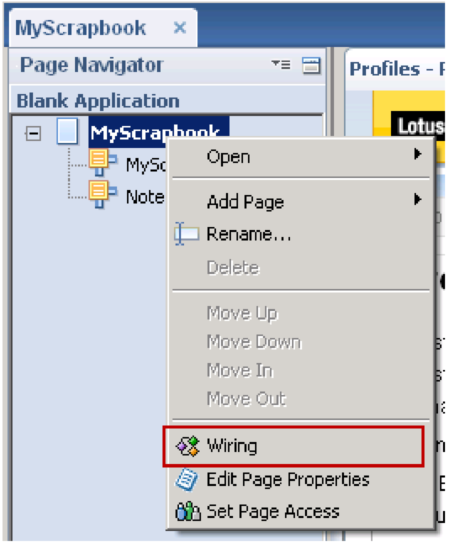
Condition:

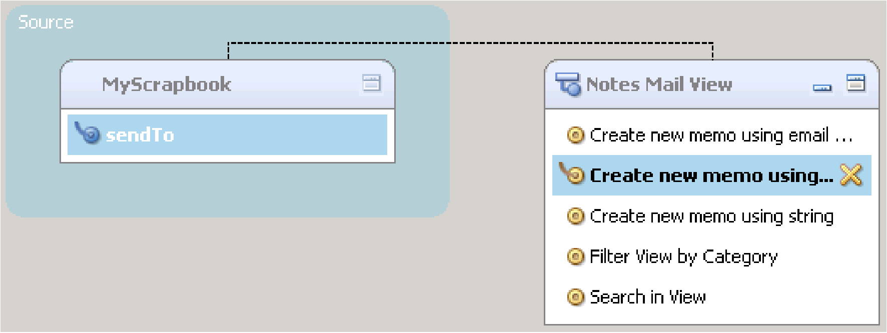
● Compute Dynamically ○ Compute on Page Load

```
try
{
    var sendTo = currentDocument.getItemValueString("Email");
    var subject = "How are you?";
    var abs = "Hi, how are you?";
    var mailTo = "mailto:" + sendTo + "?subject=" + subject + "&body="+abs;
    return mailTo;
}
catch (e)
{
    //Do nothing
}
```

6.9 Wire the event

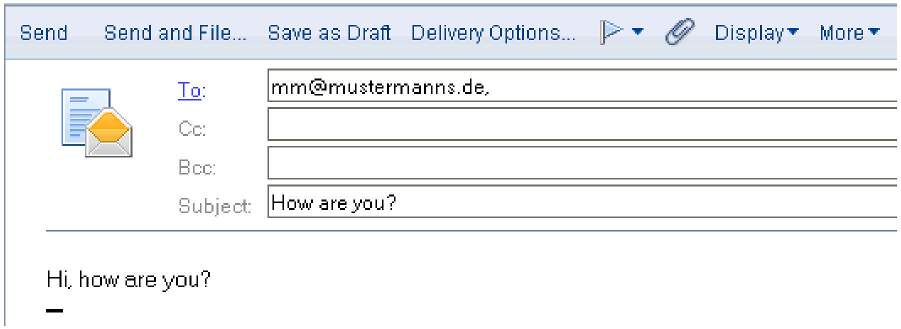
- Back to Notes and edit the composite application again
- Right-click and select Wiring from the menu
- Click the Disable strict type checking button on the lower end of the page. Then, drag the sendTo property from MyScrapbook onto the second Create new memo using… action of the Notes Mail View





6.10 Close the Wiring tab, Save and Close

- Open a profile (e.g. Max Mustermann) and click on Send Email
- A new mail should be created



To: mm@mustermanns.de,

Cc:

Bcc:

Subject: How are you?

Hi, how are you?

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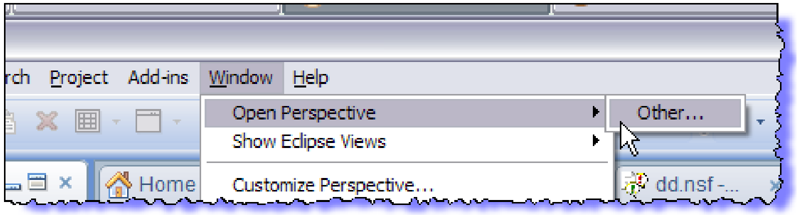
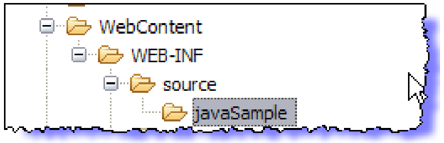
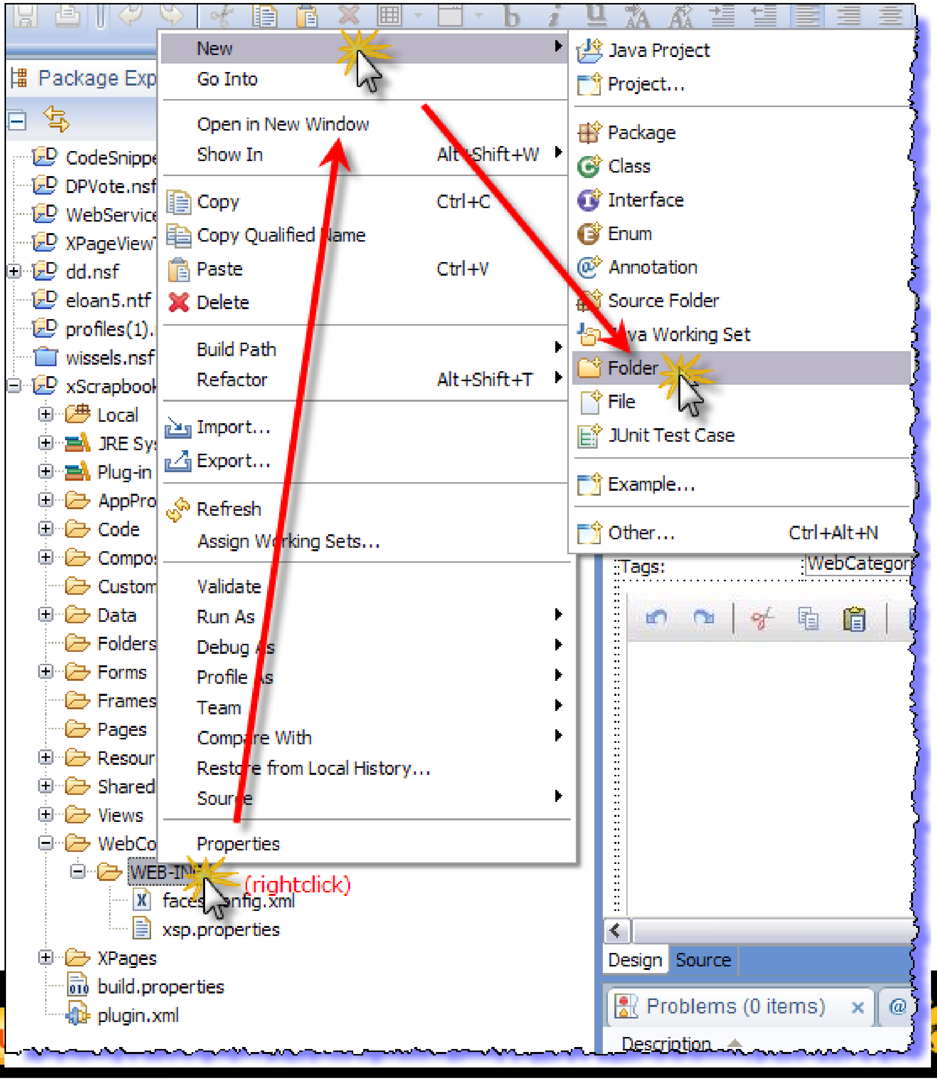
7.1 Switch to the Java perspective

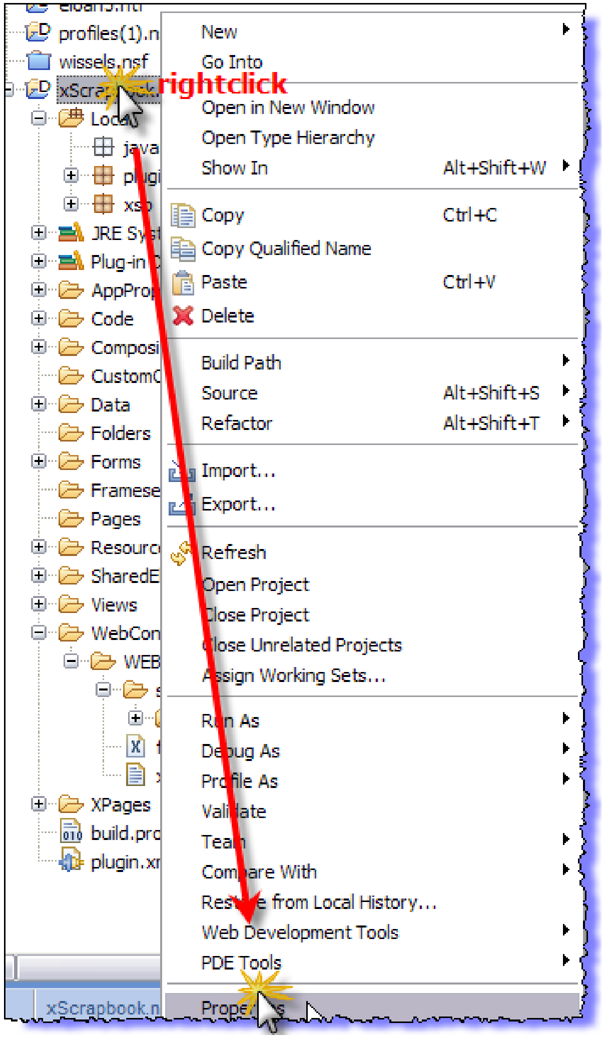
- Locate the WebContent/WebInfo folder and create a directory source and below a directory javaSample

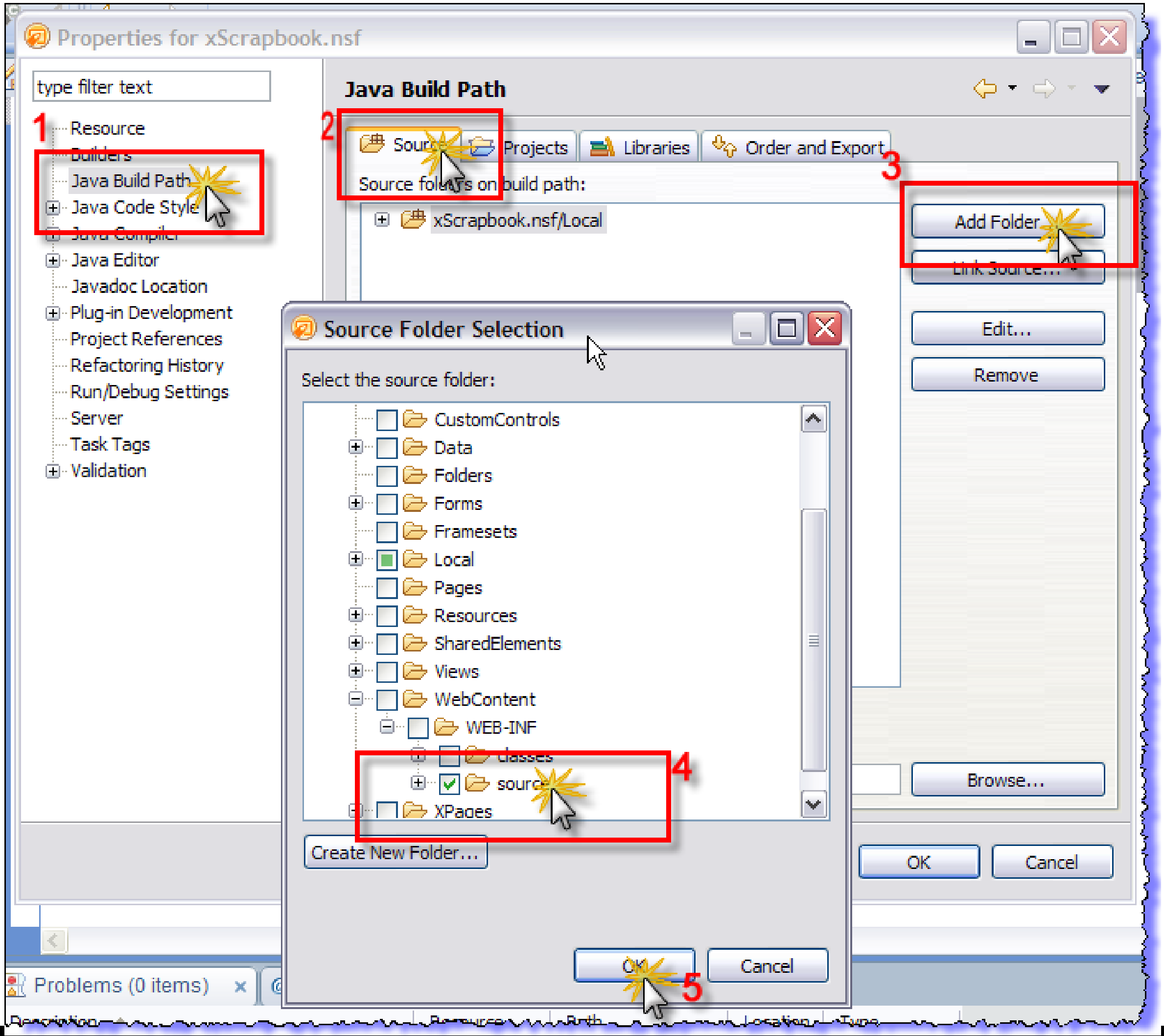






7.2 Change the classpath to include the “source” directory

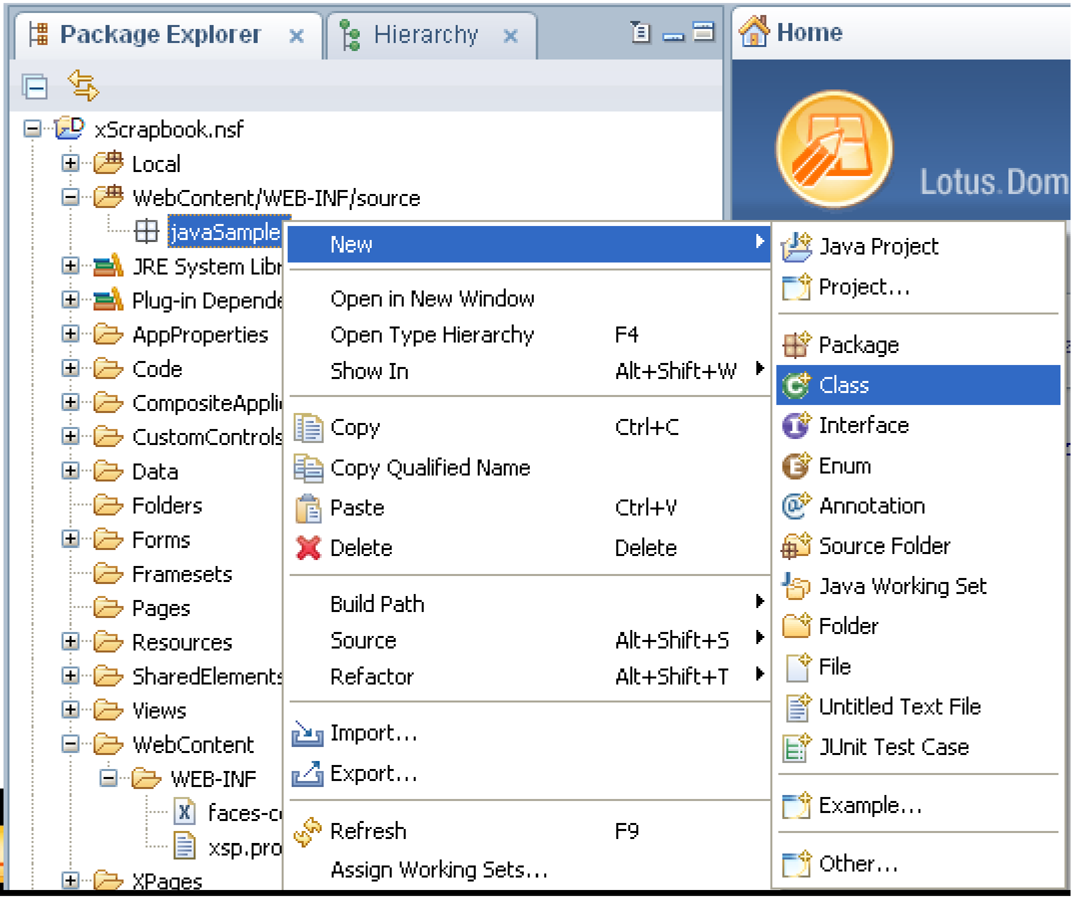




7.3 Create a new Java class HelloWorld

- Use the following code:

```
package javaSample;
public class HelloWorld {
      public String sayHello(String whoAreYou) {
                  return "Hello " + whoAreYou +", nice to meet you" ;
            }
      }
```



7.4 Call Java from JavaScript

- Switch back to the Domino Designer perspective
- Create a new xPage (or recycle your previous HelloWorld page)
- Add a label, an editBox (named myName), a button and a computed field
- Bind the computed field to requestScope.ourGreeting
- Add action code to the button (server side)

```
var greetMe = new javaSample.HelloWorld;
var myName = getComponent("myName").getValue();
var result = greetMe.sayHello(myName);
requestScope.ourGreeting = result;
```

- Test it

7.5 Change the Java code to connect to relational database

```
final String url = "jdbc:mysql://127.0.0.1:3306/test";
final String user = "root";
final String pwd = "password";
Connection cn = null;
Statement stm = null;
try
{
    Class.forName("org.gjt.mm.mysql.Driver");
    cn = DriverManager.getConnection(url, user, pwd);
    stm = cn.createStatement();
    final String sql = " insert into user values(9999999,'123','2010-08-16')";
    stm.execute(sql);
}
finally
{
    stm.close();
    cn.close();
}
```

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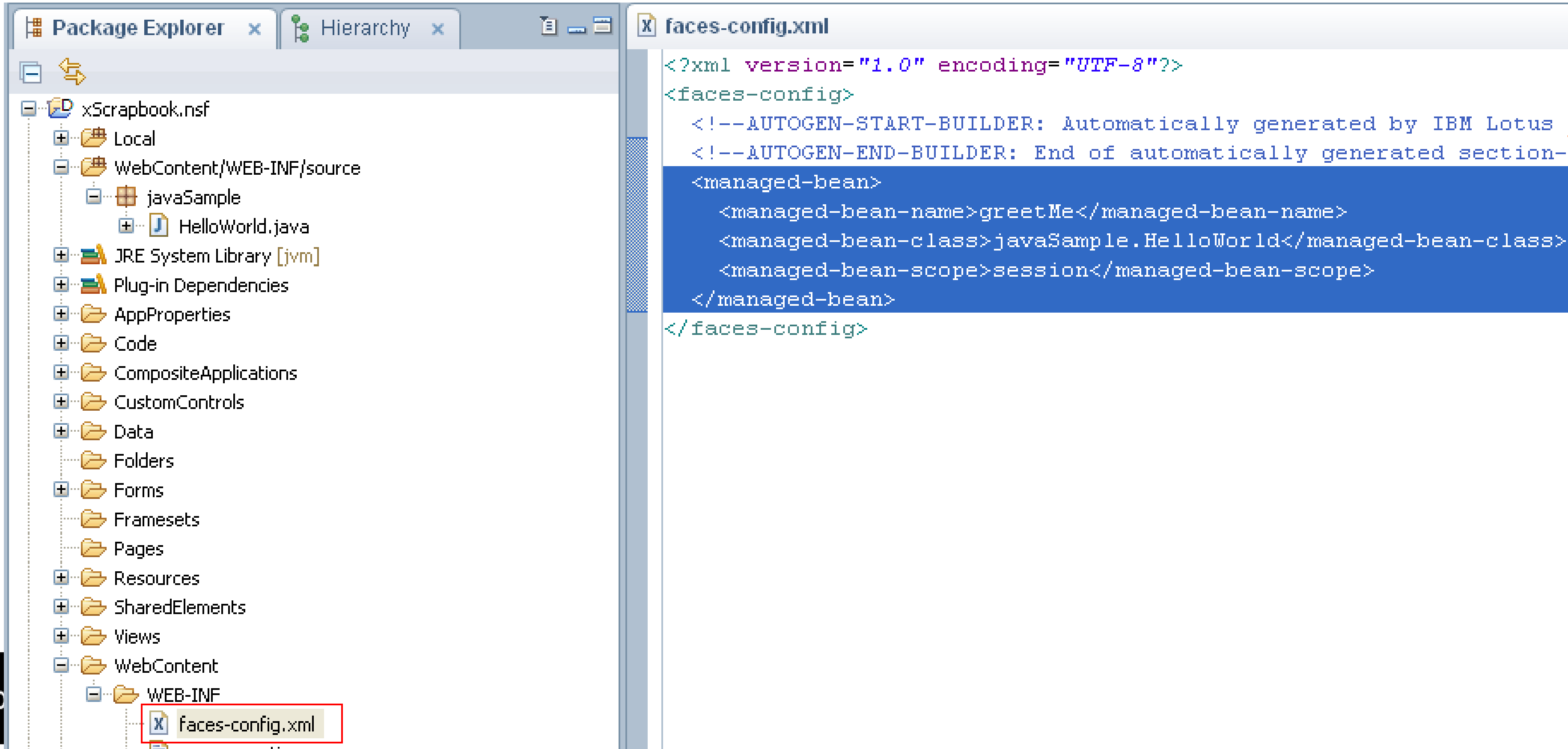
8.1 Switch to the Java perspective, open faces-config.xml

- Insert the following content

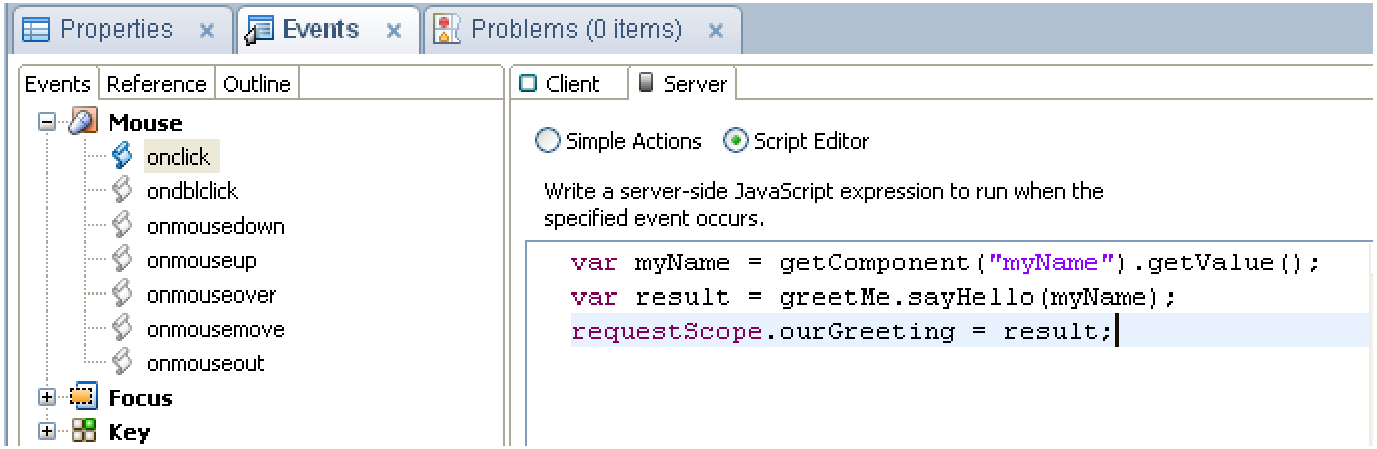
```
<managed-bean>
    <managed-bean-name>greetMe</managed-bean-name>
    <managed-bean-class>javaSample.HelloWorld</managed-bean-class>
    <managed-bean-scope>session</managed-bean-scope>
</managed-bean>
```



```
<?xml version="1.0" encoding="UTF-8"?>
<faces-config>
  <!--AUTOGEN-START-BUILDER: Automatically generated by IBM Lotus
  <!--AUTOGEN-END-BUILDER: End of automatically generated section-
  <managed-bean>
    <managed-bean-name>greetMe</managed-bean-name>
    <managed-bean-class>javaSample.HelloWorld</managed-bean-class>
    <managed-bean-scope>session</managed-bean-scope>
  </managed-bean>
</faces-config>
```

8.2 Remove the code constructing the greetMe object from JavaScript

- Test your result



○ Simple Actions ● Script Editor

Write a server-side JavaScript expression to run when the specified event occurs.

```
var myName = getComponent("myName").getValue();
var result = greetMe.sayHello(myName);
requestScope.ourGreeting = result;
```

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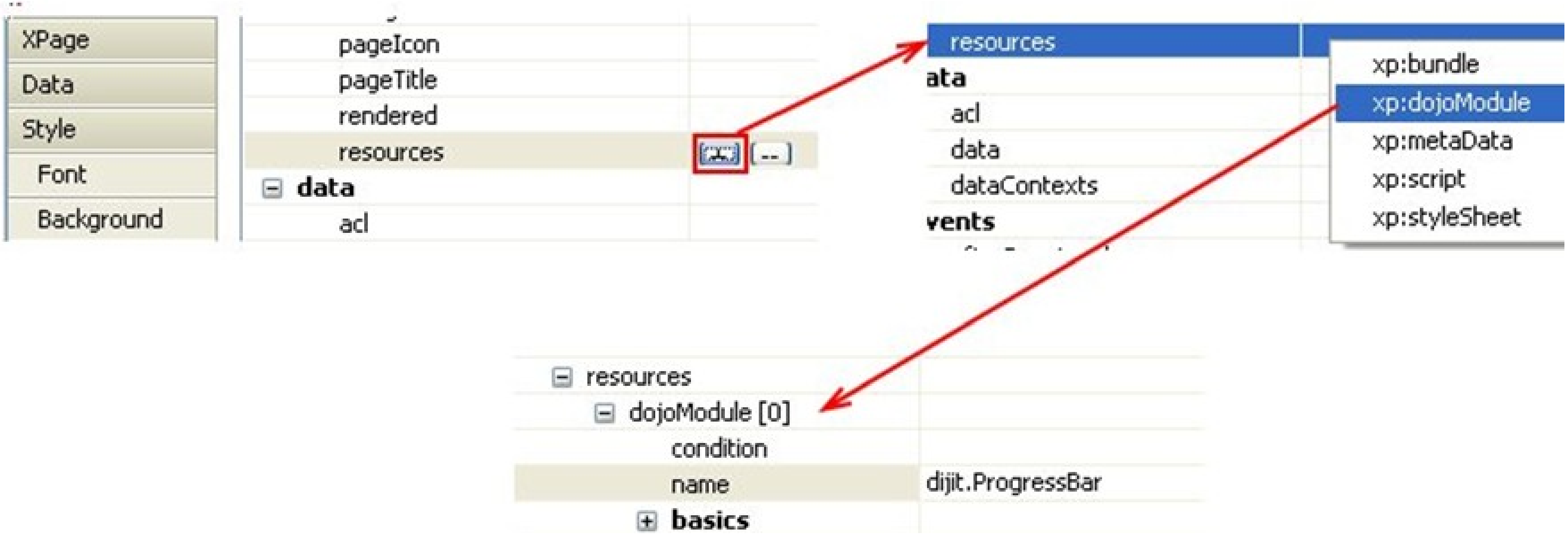
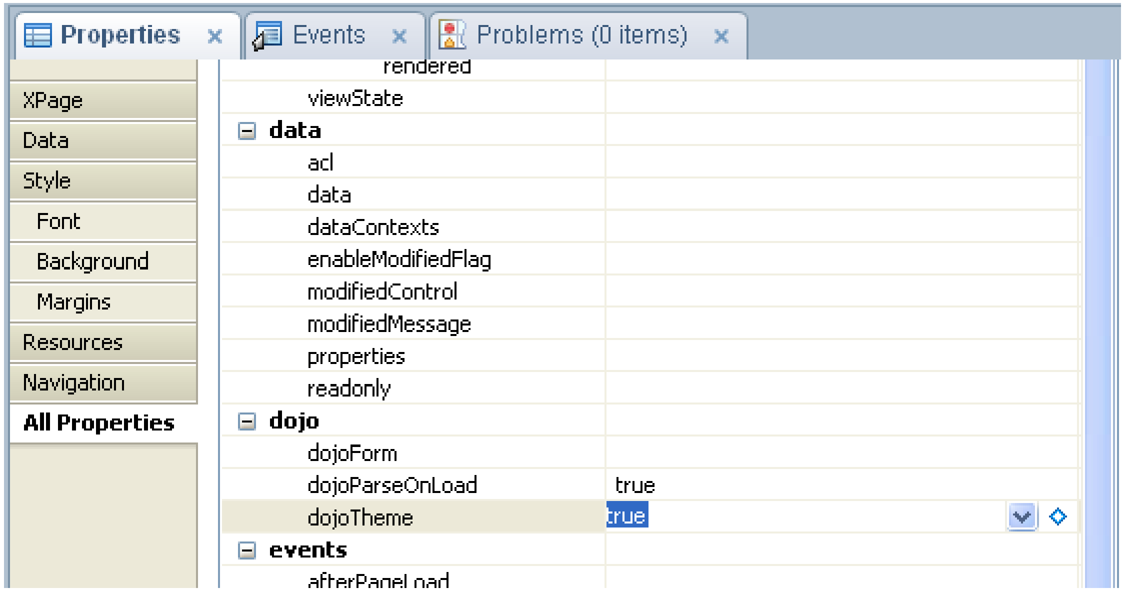
9.1 On the “All Properties” tab, Select “resources” and click the “Add” icon

- Select “xp:dojoModule” from the list and enter “dijit.ProgressBar” as the value for the name field of this resource.



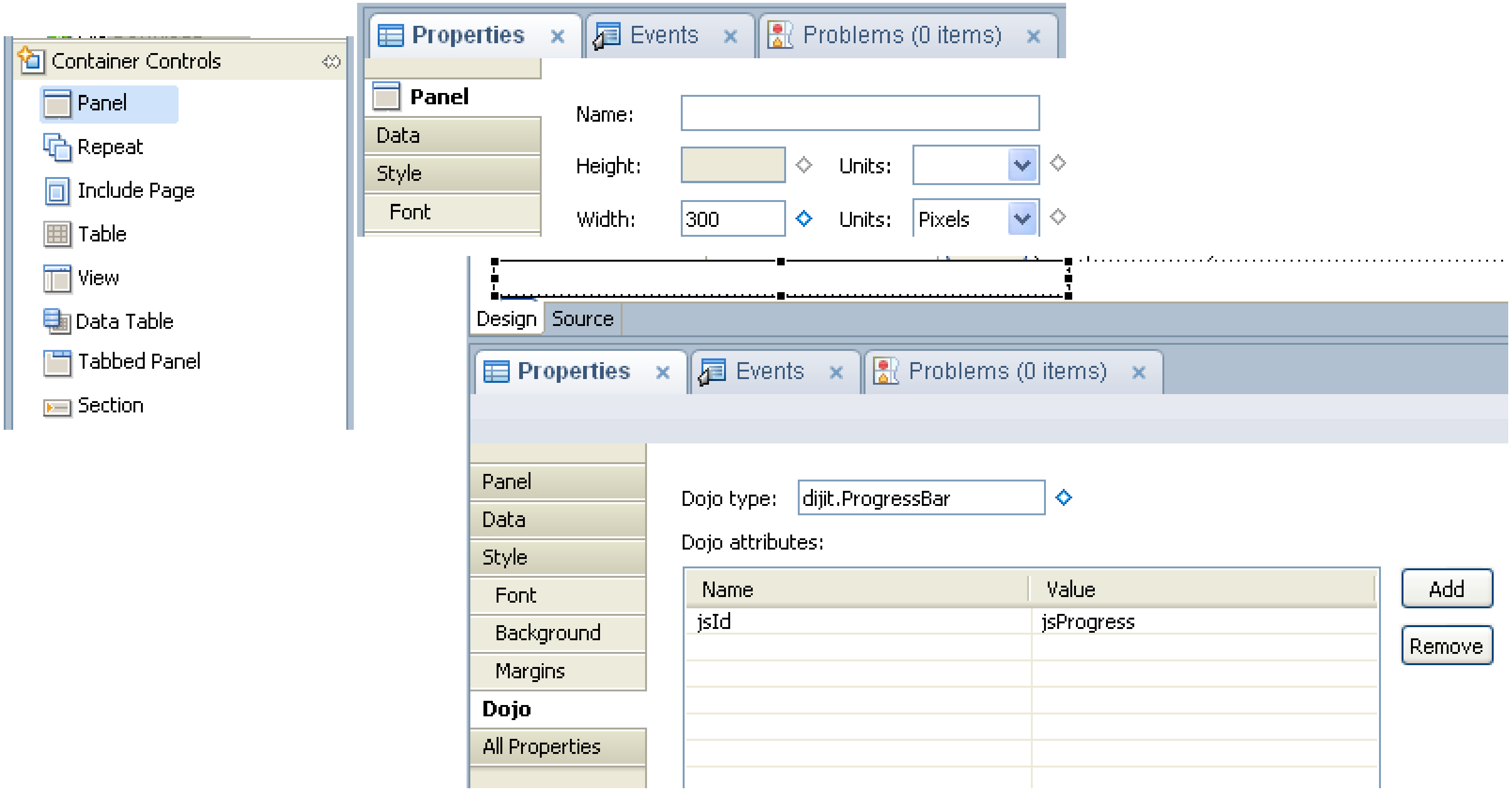
9.2 Set both the dojoParseOnload and the dojoTheme property values to true



rendered
viewState
data
acl
data
dataContexts
enableModifiedFlag
modifiedControl
modifiedMessage
properties
readonly
dojo
dojoForm
dojoParseOnLoad true
dojoTheme true
events
afterPageLoad

9.3 Add a “Panel” of 300 Pixels width, set its “dojoType” to “dijit.ProgressBar”

- Add a dojo attribute “jsId”, with “jsProgress” as the value



Name:

Height: Units:

Width: 300 Units: Pixels

Dojo type: dijit.ProgressBar

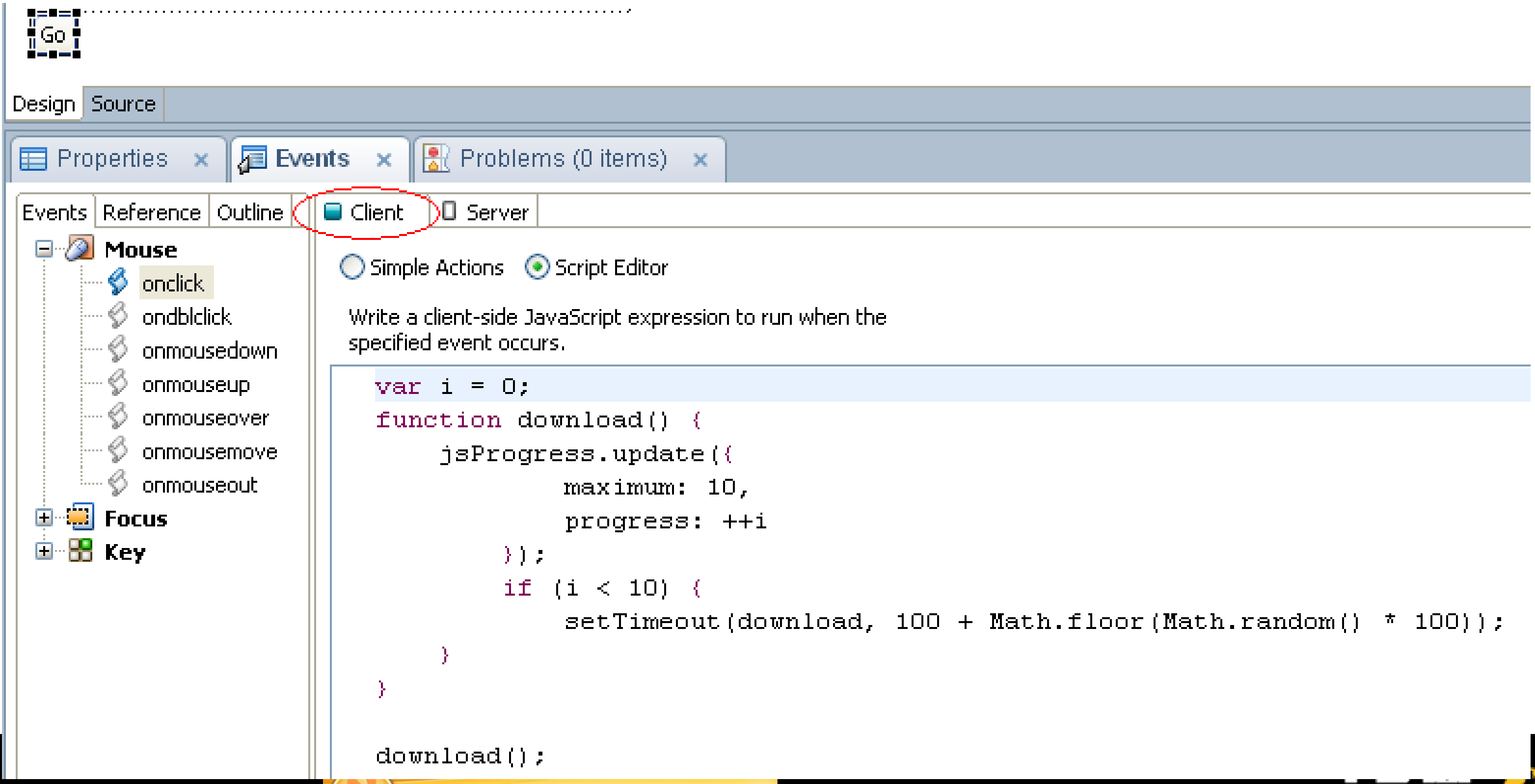
Dojo attributes:

Name	Value
jsId	jsProgress

9.4 Add a button “Go” with the following client side event handler

```
var i = 0;
function download() {
    jsProgress.update({
            maximum: 10,
            progress: ++i
        });
        if (i < 10) {
            setTimeout(download, 100 + Math.floor(Math.random() * 100));
    }
}

download();
```



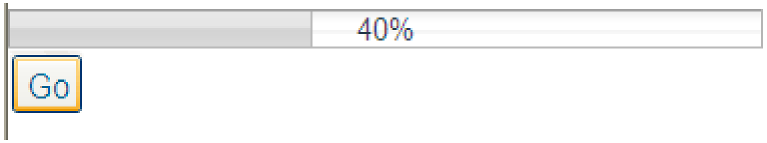
○ Simple Actions ● Script Editor

Write a client-side JavaScript expression to run when the specified event occurs.

```
var i = 0;
function download() {
    jsProgress.update({
            maximum: 10,
            progress: ++i
        });
        if (i < 10) {
            setTimeout(download, 100 + Math.floor(Math.random() * 100));
    }
}

download();
```

9.5 The Result



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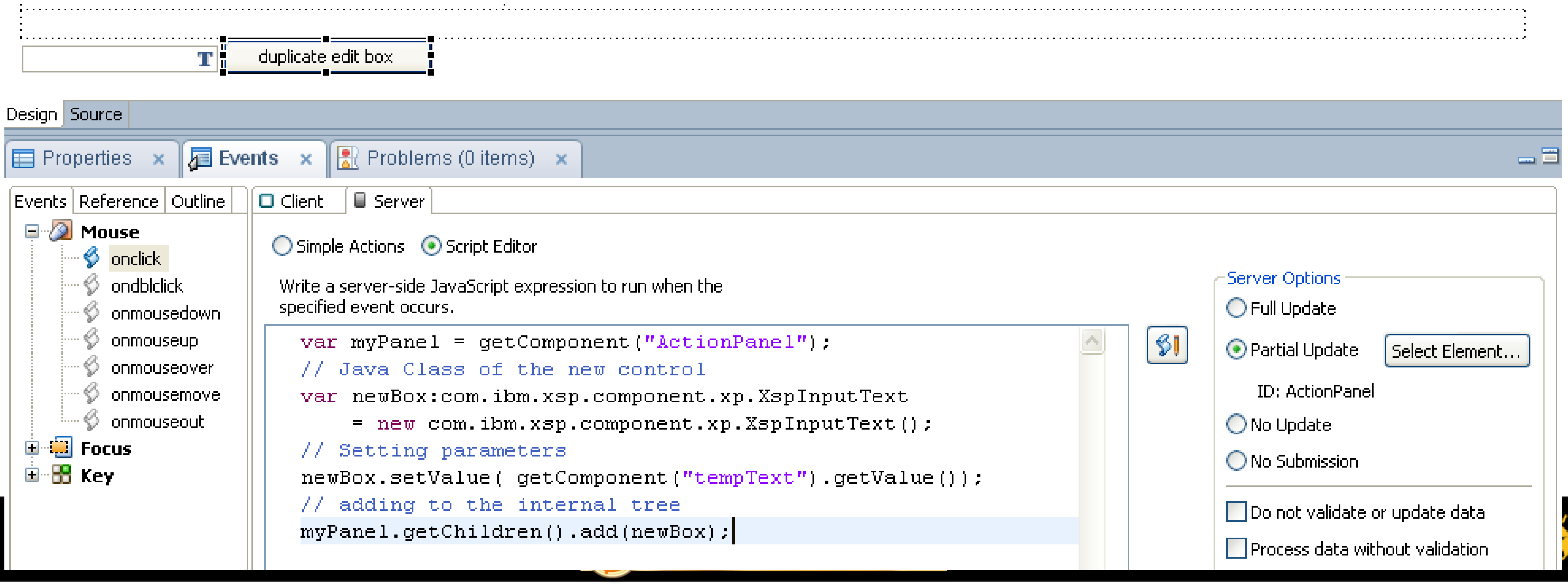
10.1 Drag and drop to create a panel control named “ActionPanel”

- Create an edit box named “tempText” and a button labelled “duplicate edit box” under the panel, input the following code to the button's event handler, enable Partial Update

```
var myPanel = getComponent("ActionPanel");
// Java Class of the new control
var newBox:com.ibm.xsp.component.xp.XspInputText
       = new com.ibm.xsp.component.xp.XspInputText();
// Setting parameters
newBox.setValue( getComponent("tempText").getValue());
// adding to the internal tree
myPanel.getChildren().add(newBox);
```



○ Simple Actions ● Script Editor

Write a server-side JavaScript expression to run when the specified event occurs.

```
var myPanel = getComponent("ActionPanel");
// Java Class of the new control
var newBox:com.ibm.xsp.component.xp.XspInputText
     = new com.ibm.xsp.component.xp.XspInputText();
// Setting parameters
newBox.setValue( getComponent("tempText").getValue());
// adding to the internal tree
myPanel.getChildren().add(newBox);
```

Server Options

○ Full Update

● Partial Update

ID: ActionPanel

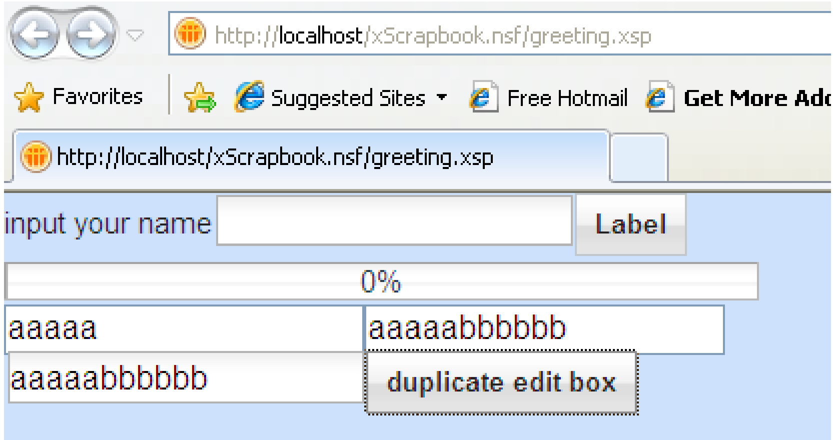
○ No Update

○ No Submission

□ Do not validate or update data

□ Process data without validation

10.2 The Result



http://localhost/xScrapbook.nsf/greeting.xsp

http://localhost/xScrapbook.nsf/greeting.xsp

input your name

0%

aaaaa

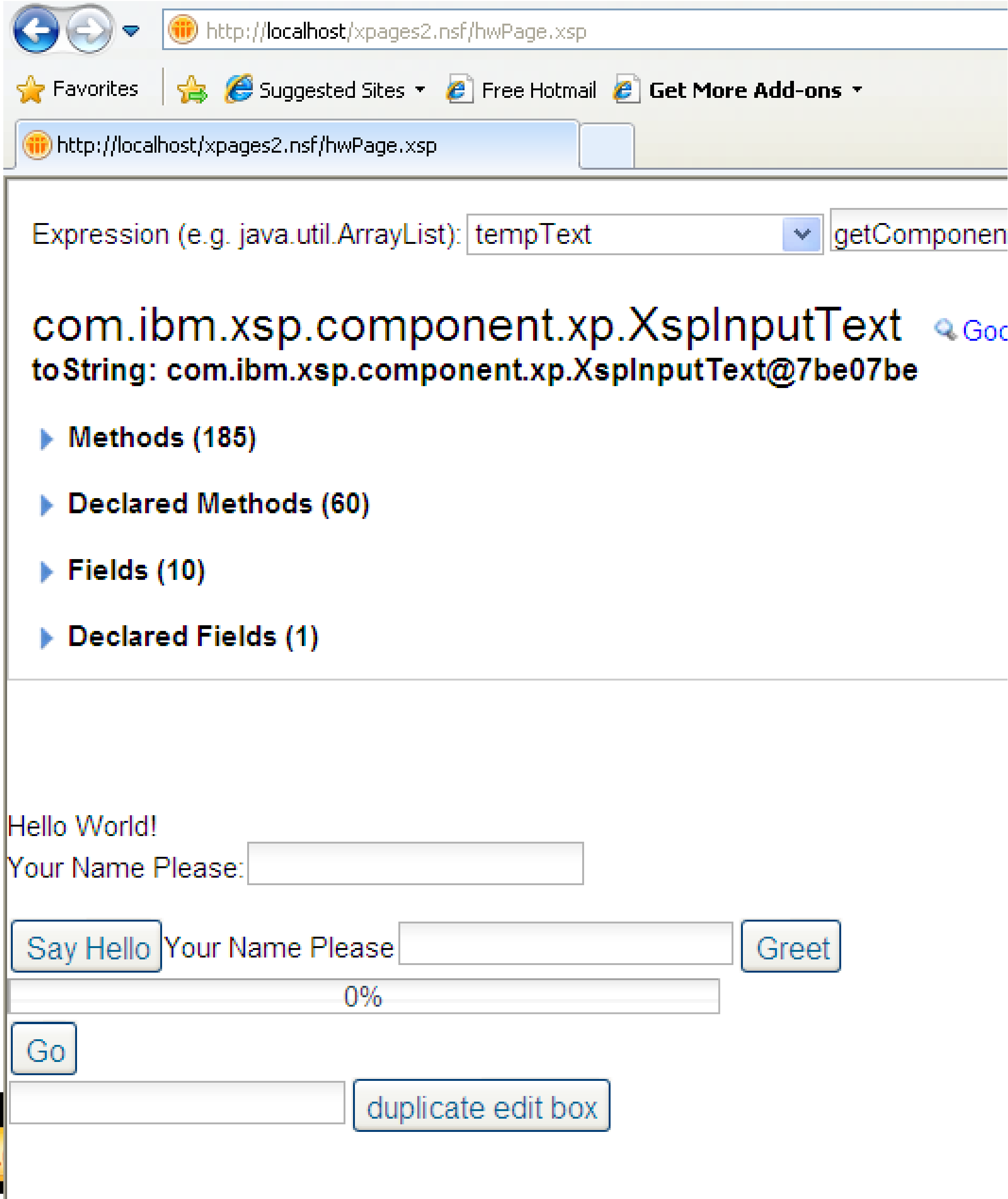
aaaaabbbbbb

aaaaabbbbbb

10.3 Use XPage API Inspector

- Download XpageAPIInspectorV2.nsf from openntf(see reference) and open it
- Copy the “ccAPIInspector” custom control to your NSF
- Add the custom control to the beginning of your XPage

10.4 Reload your XPage and choose a control from the list



http://localhost/xpages2.nsf/hwPage.xsp
Favorites
Suggested Sites
Free Hotmail
Get More Add-ons
http://localhost/xpages2.nsf/hwPage.xsp

Expression (e.g. java.util.ArrayList): tempText getComponen

com.ibm.xsp.component.xp.XspInputText Goo

toString: com.ibm.xsp.component.xp.XspInputText@7be07be

- Methods (185)
- Declared Methods (60)
- Fields (10)
- Declared Fields (1)

Hello World!

Your Name Please:

Say Hello Your Name Please Greet

0%

Go

duplicate edit box

Reference

- Complete workshop material
  - http://www-10.lotus.com/ldd/ddwiki.nsf/dx/Tutorial-intro-to-XPages.htm
- XPage API Developer Guide
  - http://www-10.lotus.com/ldd/ddwiki.nsf/dx/Master_Table_of_Contents_for_XPages_Extensibility_APIs_Developer_Guide
- XPage API Inspector
  - http://www.openntf.org/internal/home.nsf/project.xsp?action=openDocument&name=XPages API Inspector
- Dijit widgets
  - http://docs.dojocampus.org/dijit/index?action=show&redirect=dijit
- 《玩轉 XPage 》