

Popup Windows Solutions



Unit: Web Dynpro Windows

Solution 1 – Create a popup window.

1 Overview

This solution will step you through create a popup window. The project you will work with already has 2 Web Dynpro windows defined. You will need to use the Web Dynpro window API to create a new window and open it up for the user.

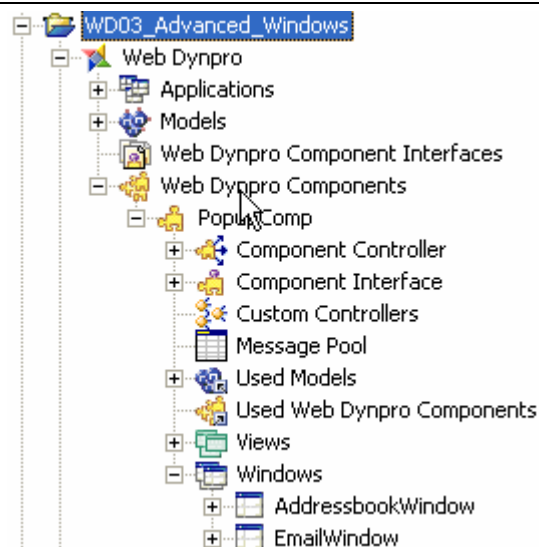
2 Prerequisites

- 2-1 The SAP NetWeaver Developer Studio is installed on your computer.
- 2-2 You have access to the SAP J2EE Engine (Release 6.40).

3 Solution Guide

1 **Open the project template in the exercise directory called WD03_Advanced_Windows.**

Once opened you will see that the project template already includes an Application, Web Dynpro Component, with 2 windows and 2 views.



2 **Open the view “EmailView”.**

- You will notice on the view's layout that it has three buttons: "To:", "Search (Google)", and "Send Email". The "To:" button is assigned to the action "ShowAddressbookPopup".

2 Go to the view's implementation. Create a new window.

- In the method onActionShowAddressbookPopup(...) create the window AddressbookWindow and then open it up.
- Use the setWindowPosition(...) property and use the WDWindowPos class to get the CENTER constant.
- In the same method save a reference to the window you created to the context attribute already existing.
- Use the code shown below to do this.

```
//Get the window info for the AddressbookWindow
IWDWindowInfo windowInfo =
    wdComponentAPI.getComponentInfo().findInWindows("AddressbookWindow");

//Create the window.
IWDWindow window =
    wdComponentAPI.getWindowManager().createWindow(windowInfo, true);

//Position and open the window.
window.setWindowPosition(WDWindowPos.CENTER);
window.open();

//Save the reference to the window so we can close it later.
wdContext.currentPopupElement().setWindowInstance(window);
```

2 Go to the view's implementation. Close the window.

- Open the view contained in the AddressbookWindow called AddressbookView.
 - Notice it has a button "Take this Address". The button is assigned to an action that calls a method on the Component Controller. This method in the Component Controller fires the event AddressSelectedEvent, which is handled by the view EmailView and its method handleAddressSelectedEvent(...):

handleAddressSelectedEvent void PopupComp - com.sa... AddressSelectedEvent <...

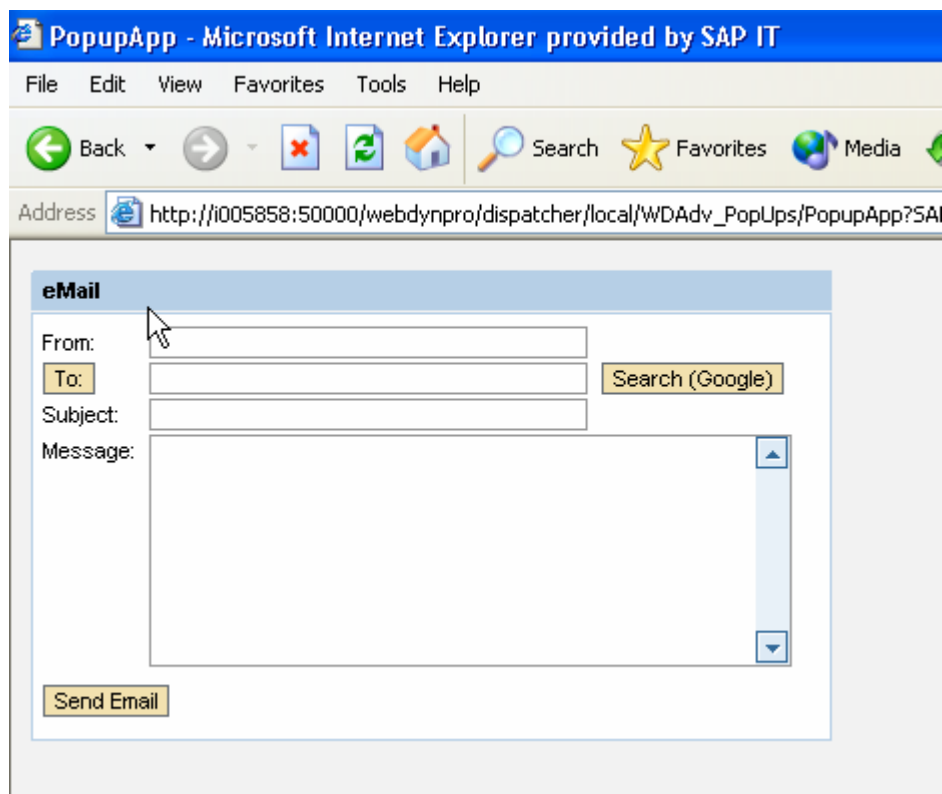
- Open the EmailView and go to it's implementation.
- Add the below code to the handleAddressSelectedEvent(...) to pull the window reference out of the context and close the window.

```
//Get the reference to the window from the context
IWDWindow window =
    wdContext.currentPopupElement().getWindowInstance();

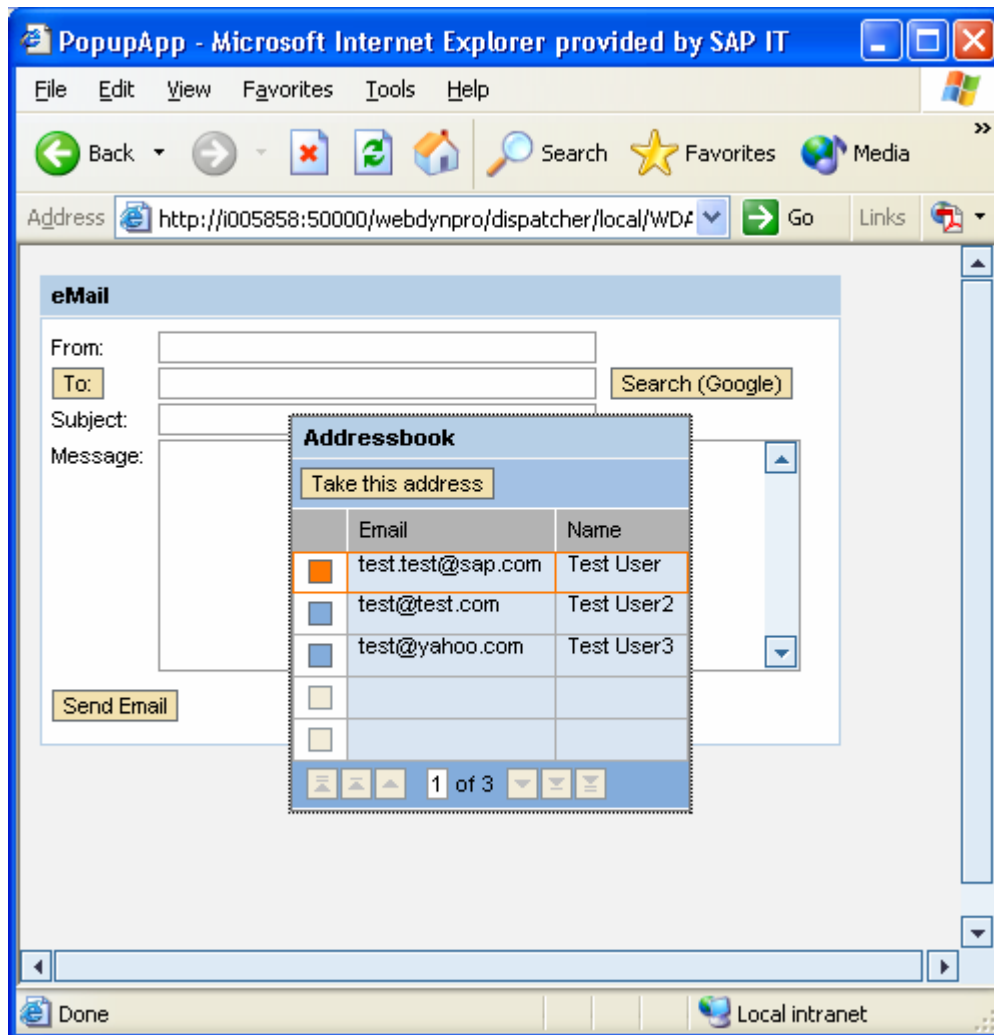
//Close the window
window.close();
```

4 Deploy and Run

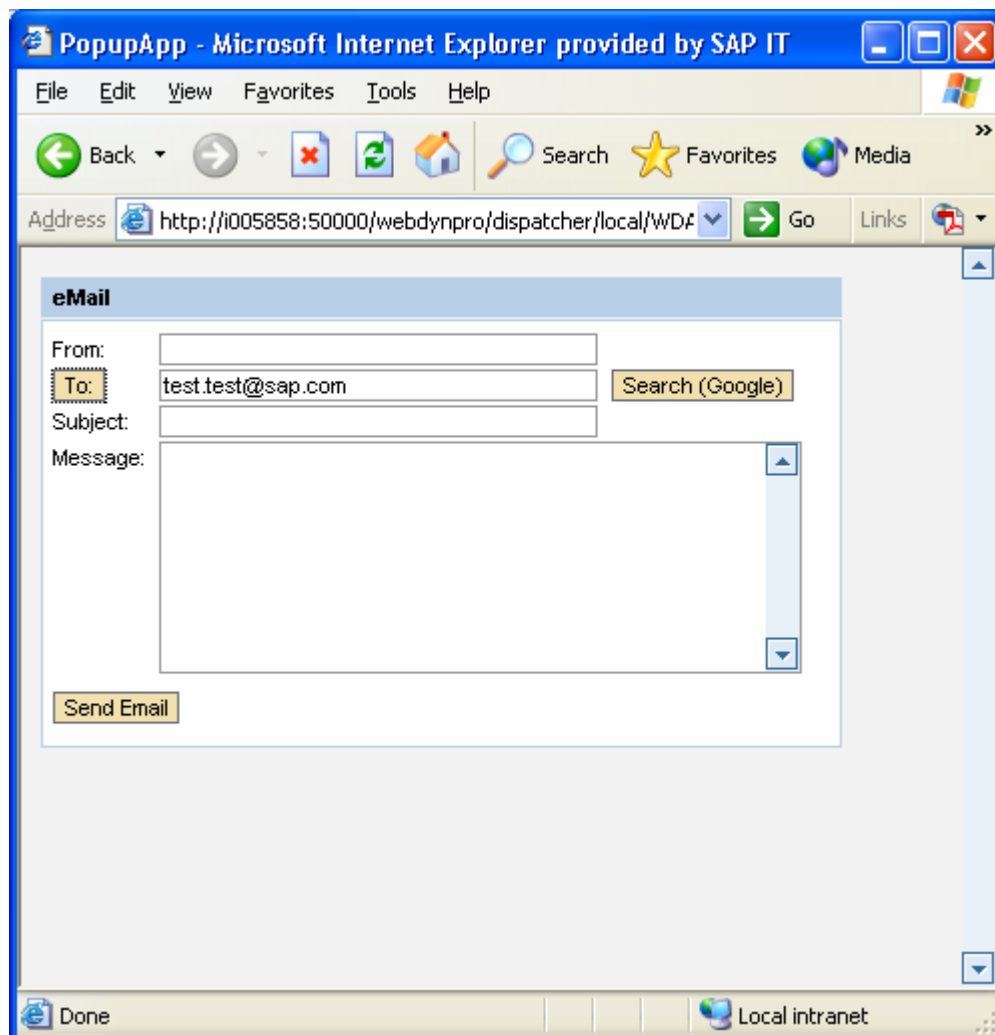
4-1 When the application initially starts you will see the screen shown below:



4-2 Click the “To:” button, you should now see the popup window displayed:



- 4-3 Click the “Take this address” button. You should now see the email address entered in the input field.





Unit: Web Dynpro Windows

Exercise 2 – Create a confirmation dialog window.

1 Overview

This exercise will step you through creating a confirmation dialog window. You will be doing this to the project you finished in exercise #1. All the methods needed already exist, all you need to do is work with the Windows API to create the confirmation dialog window.

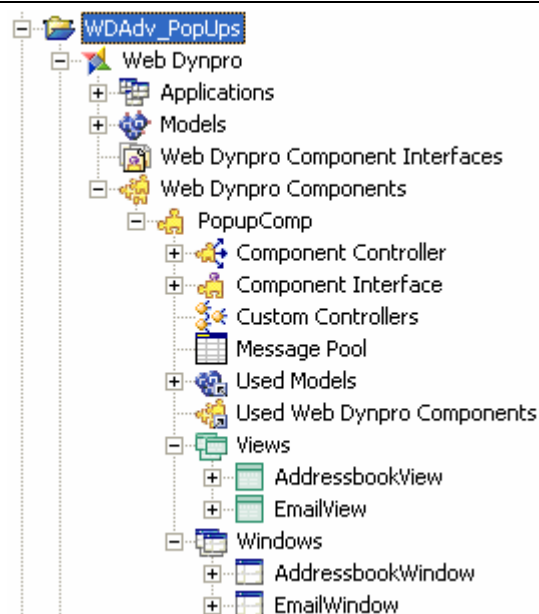
2 Prerequisites

- 2-1 The SAP NetWeaver Developer Studio is installed on your computer.
- 2-2 You have access to the SAP J2EE Engine (Release 6.40).

3 Solution Guide

1 Open the project template in the exercise directory called WDAdv_PopUps.

Once opened you will see that the project template already includes an Application, Web Dynpro Component, with 2 windows and 2 views.



2 Open the view “EmailView” and go to its Implementation.

- In the method onActionSendEmail(...) you will see a //Todo comment. Add code here to create a confirmation dialog.
- You will need to lookup the Event Handler for the “ok” event handler method.
- You will the dialog text need to create the confirmation dialog window.
- Add the “NewEmail” event handler to your confirmation dialog.
- Position the window in the center.
- Open the Window.

Use the code below to do this:

```
//Get the Event Handler for the ok method
IWDEventHandlerInfo eventHandler =
    wdControllerAPI.getViewInfo()
        .getViewController().findInEventHandlers("ok");

//Create the confirmation dialog
IWDCConfirmationDialog dialog =
    wdComponentAPI.getWindowManager()
        .createConfirmationWindow(dialogText, eventHandler,"OK");

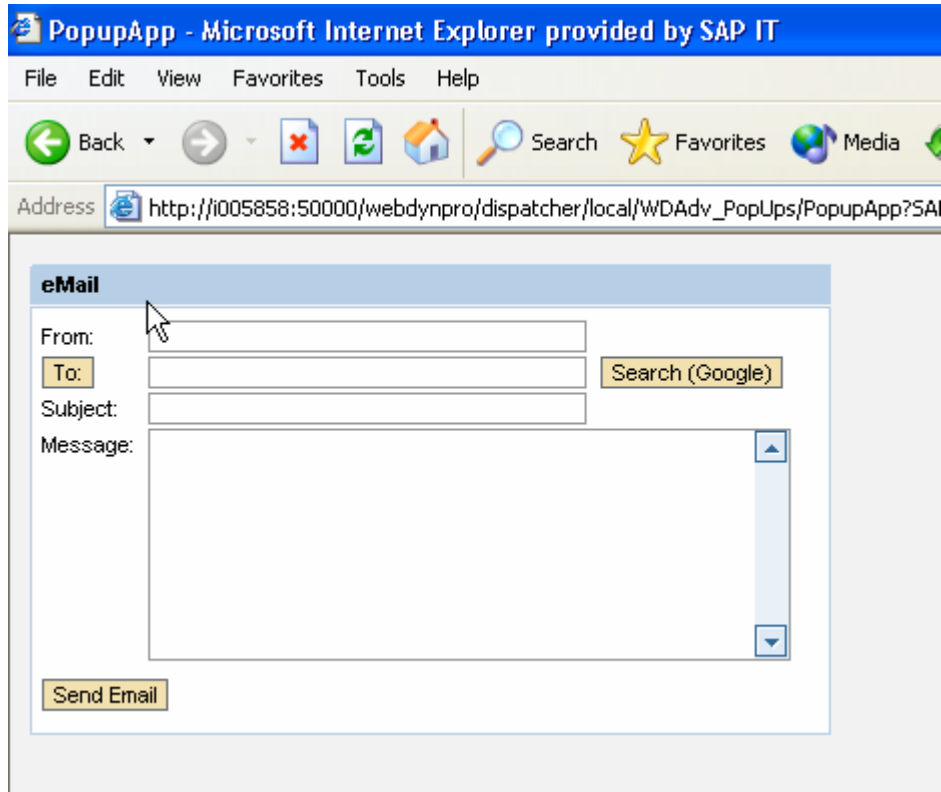
//Get the Event Handler for the newEmail method
IWDEventHandlerInfo newEmailEvent =
    wdControllerAPI.getViewInfo()
        .getViewController().findInEventHandlers("newEmail");

//Add the New Email choice
dialog.addChoice(newEmailEvent, "New Email");

//Position and open the window
dialog.setWindowPosition(WDWindowPos.CENTER);
dialog.open();
```

4 Deploy and Run

4-1 When the application initially starts you will see the screen shown below:

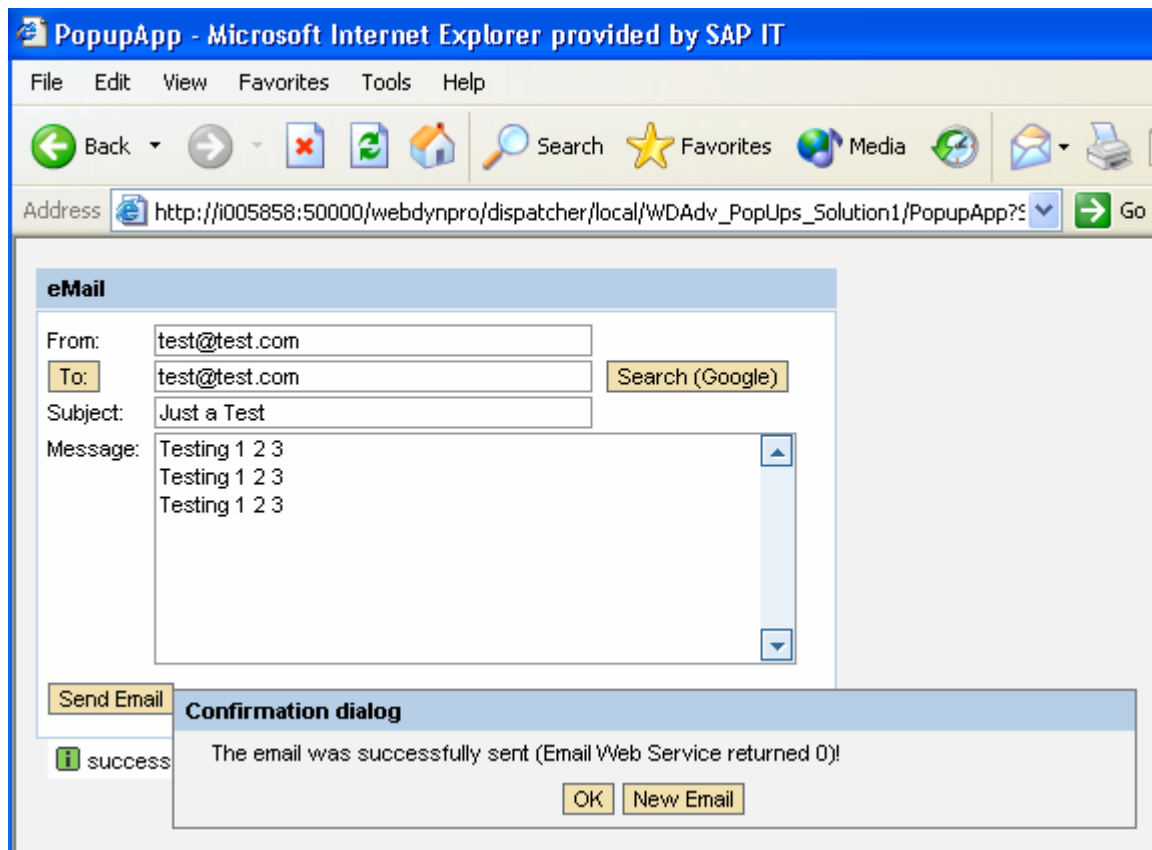


The screenshot shows a Microsoft Internet Explorer window titled "PopupApp - Microsoft Internet Explorer provided by SAP IT". The address bar displays the URL: `http://i005858:50000/webdynpro/dispatcher/local/WDAdv_PopUps/PopupApp?SAI`. The main content area is titled "eMail" and contains a form with the following fields:

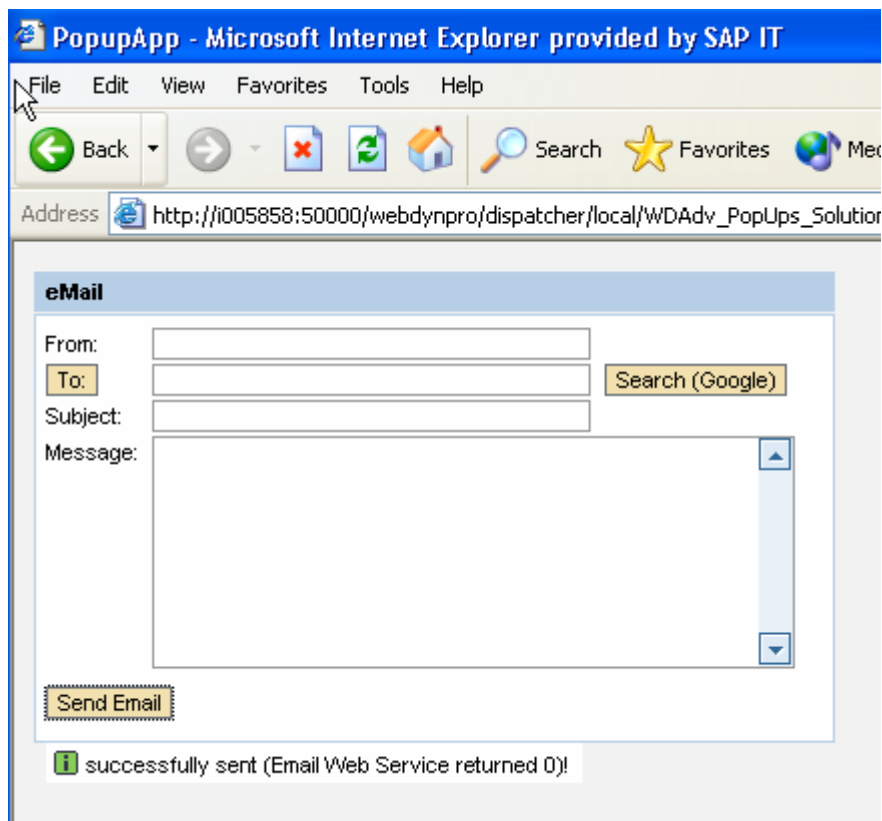
- From:** A text input field.
- To:** A text input field.
- Subject:** A text input field.
- Message:** A large text area with a vertical scrollbar.

There is a "Search (Google)" button to the right of the "To" field. At the bottom left of the form is a "Send Email" button. A mouse cursor is pointing at the "From" field.

4-2 Enter the "to" and "from" email addresses (make them valid email addresses!) as well as a subject and a message. Click the "Send Email" button...you should see the screen showed below.



- 4-3 Click the "New Email" button...this she trigger the newEmail method and initialize all the context attributes.





Unit: Web Dynpro Windows

Solution 3 – Create a confirmation dialog window.

1 Overview

This exercise will step you through creating a confirmation dialog window. You will be doing this to the project you finished in exercise #1. All the methods needed already exist, all you need to do is work with the Windows API to create the confirmation dialog window.

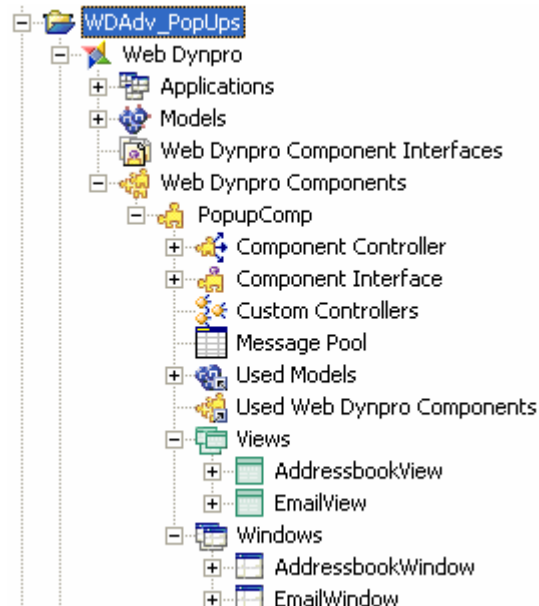
2 Prerequisites

- 2-1 The SAP NetWeaver Developer Studio is installed on your computer.
- 2-2 You have access to the SAP J2EE Engine (Release 6.40).

3 Solution Guide

1 Open the project template in the exercise directory called WDAdv_PopUps.

Once opened you will see that the project template already includes an Application, Web Dynpro Component, with 2 windows and 2 views.



2 Open the view “EmailView” and go to its Implementation.

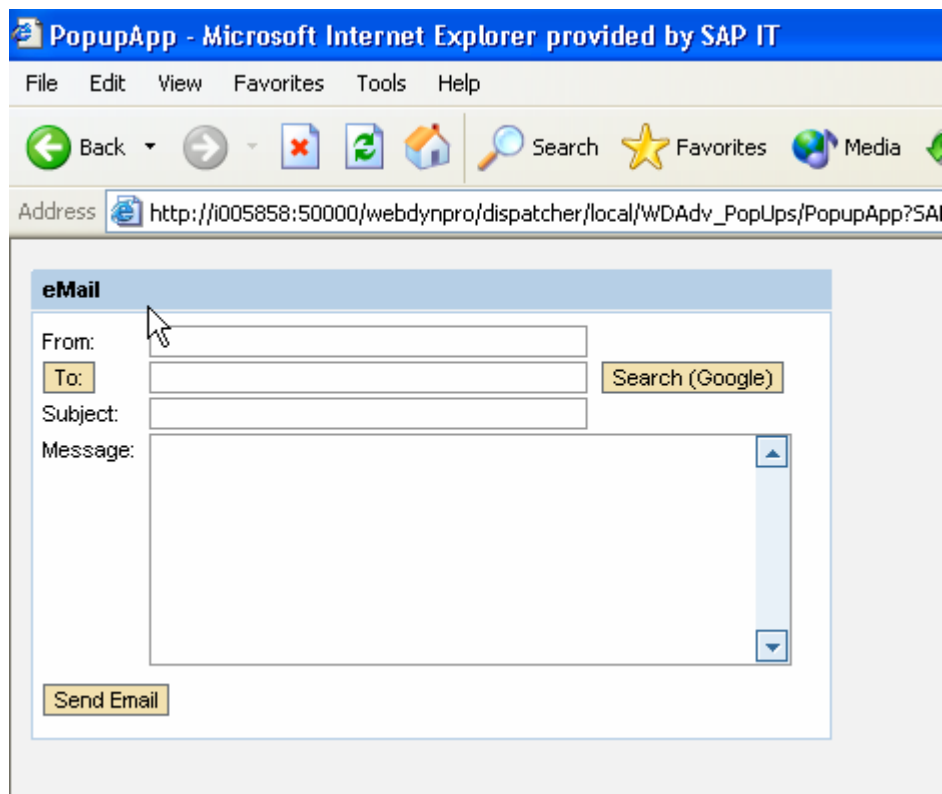
- In the method onActionShowGoogleWindow(...) add code to create and open an external window.
- Set the external window to open <http://www.google.com>

Use the code below to do this:

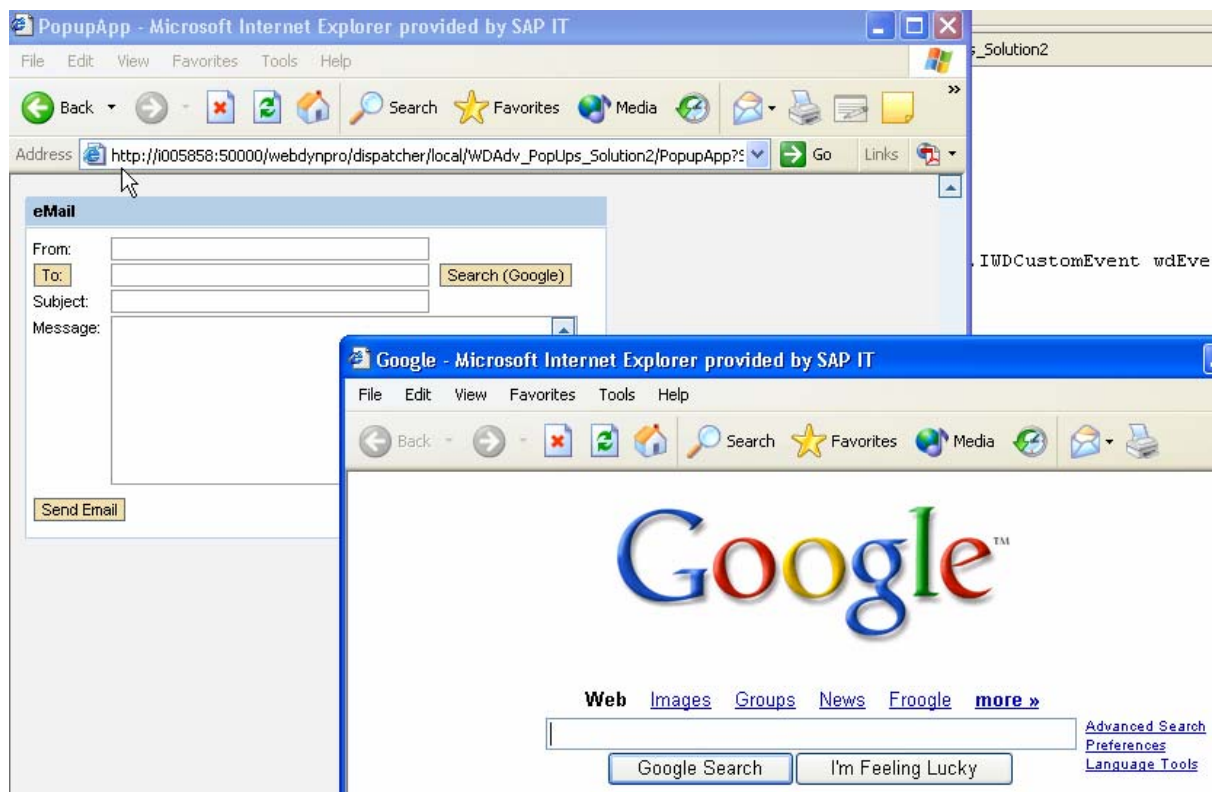
```
//Create the external window.  
IWDWindow google =  
    wdComponentAPI.getWindowManager()  
        .createExternalWindow("http://www.google.com",  
                               "Google", false);  
  
//open the window.  
google.open();
```

4 Deploy and Run

4-1 When the application initially starts you will see the screen shown below:



4-2 Click the “Search (Google)” button...you should an new browser window start:



That's it...Congrats! You have finished the entire exercise!