

Popup Windows Exercises

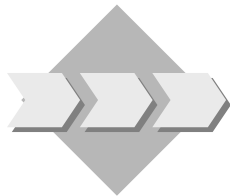


Unit: Web Dynpro Windows



At the conclusion of this exercise, you will be able to:

- Understand the different windows you can create in your Web Dynpro applications.
- Create new windows using the SAP NetWeaver Developer Studio.
- Create different kinds of popup windows using the Web Dynpro Windows API.



Exercise 1 – Create a popup window.

1 Overview

This exercise 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 Exercise Guide

- 3-1 Open the project called WD03_Advanced_Windows.
 - 3-1-1 Notice that the project has two windows defined: EmailWindow & AddressbookWindow. EmailWindow is the main window of the application. You will be using AddressbookWindow as a popup window.
- 3-2 Open the view “EmailView”.

3-2-1 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".

3-3 Go to the view's implementation.

3-3-1 In the method `onActionShowAddressbookPopup(...)` create the window `AddressbookWindow` and then open it up.



You will first need to get the `AddressbookWindow` `IWDWindowInfo` interface, then you can use the Window Manager to create the window.

3-3-2 Add code to position the popup window in the center of the users browser.



Use the `setWindowPosition(...)` property and use the `WDWindowPos` class to get the `CENTER` constant.

3-3-3 In the same method save a reference to the window you created to the context attribute already existing:



Use the `wdContext` shortcut variable to store the window in the property of the current popup node.

3-4 Open the view contained in the `AddressbookWindow` called `AddressbookView`.

3-4-1 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(...)`:

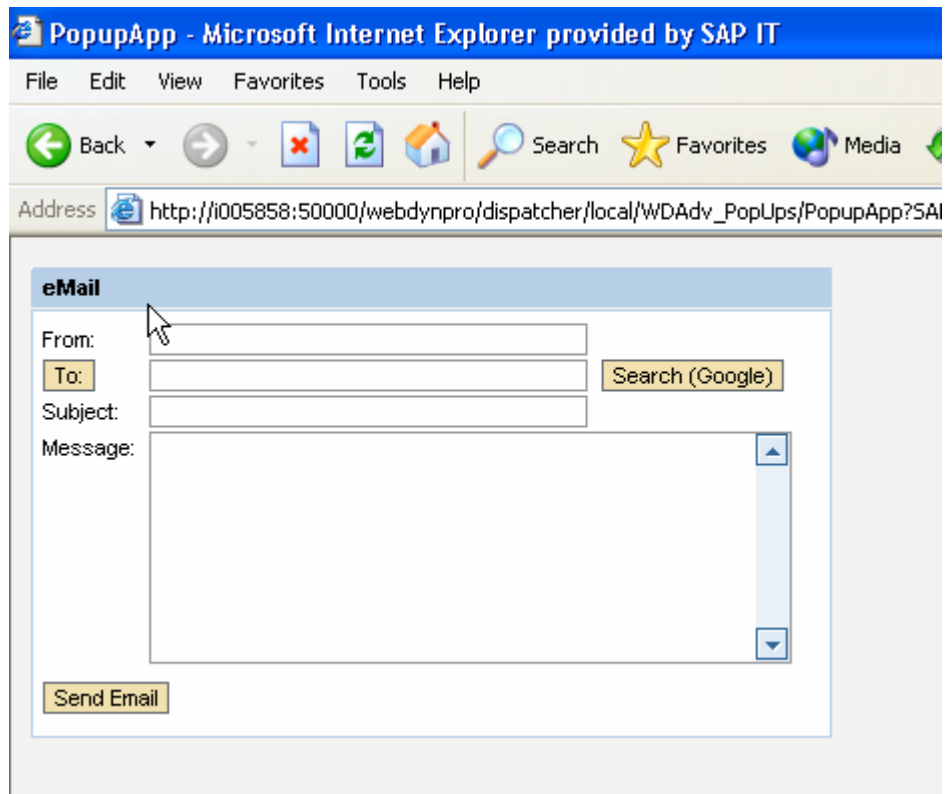


3-4-2 Open the `EmailView` and go to its implementation.

3-4-3 Add code to the `handleAddressSelectedEvent(...)` to pull the window reference out of the context and close the window.

4 Deploy and Run

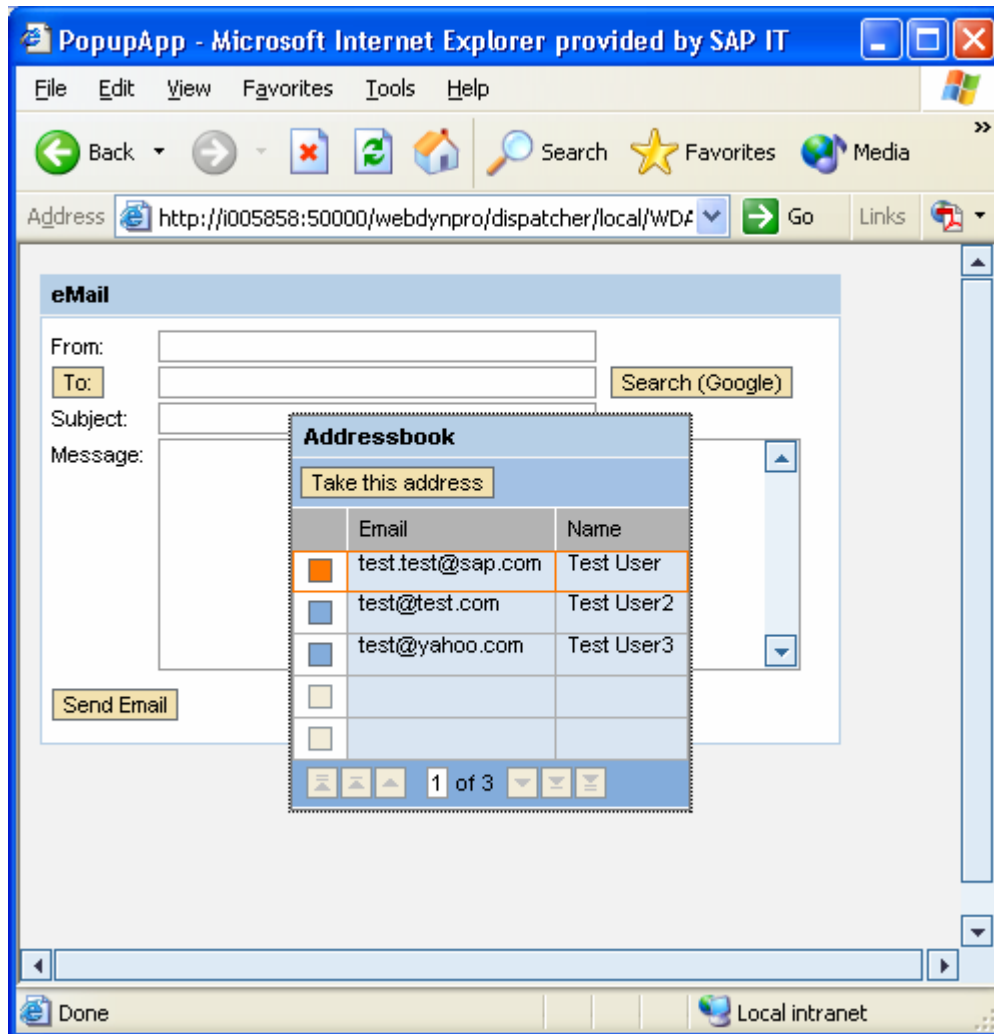
4-1 When the application initially starts you will see the screen shown below:



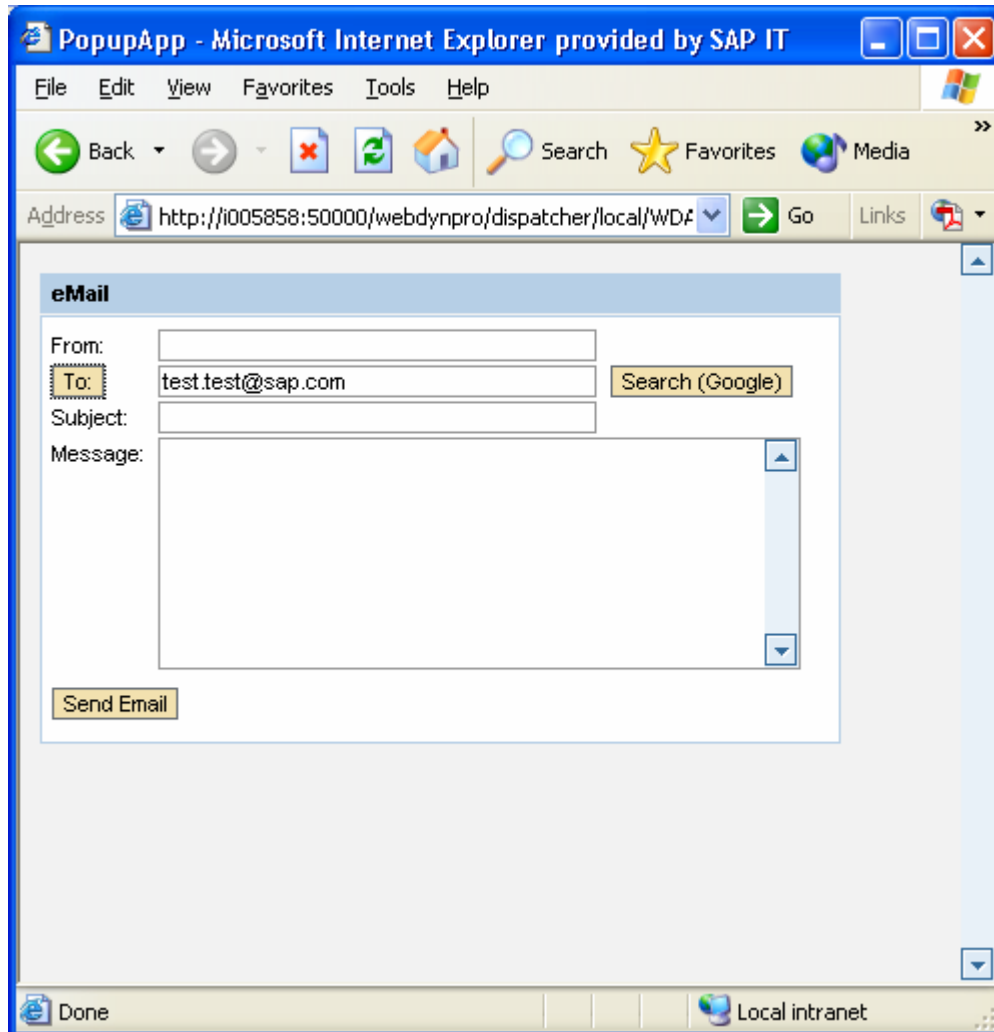
The screenshot shows a Microsoft Internet Explorer window titled "PopupApp - Microsoft Internet Explorer provided by SAP IT". The address bar displays the URL: http://i005858:50000/webdynpro/dispatcher/local/WDAdv_PopUps/PopupApp?SAI. The main content area features a form titled "eMail" with the following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

- From:** A text input field.
- To:** A text input field with a yellow "To:" label to its left.
- Subject:** A text input field.
- Message:** A large text area with a vertical scrollbar on the right side.
- Search (Google):** A yellow button located to the right of the "To:" field.
- Send Email:** A yellow button located at the bottom left of the form.

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.



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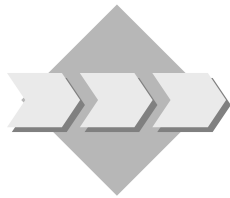


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Exercise 2 – Create a confirmation dialog window.

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 Exercise Guide

- 3-1 Open the project called WDAAdv_Popups...you should have already finished exercise #1.
- 3-2 Open the view “EmailView” and go to its Implementation.
- 3-3 In the method onActionSendEmail(...) you will see a //Todo comment. Add code here to create a confirmation dialog.

3-3-1 You will need to lookup the Event Handler for the “ok” event handler method.



```
IWDEventHandlerInfo eventHandler =  
    wdControllerAPI.getViewInfo().  
    getViewController().findInEventHandlers(..);
```

3-3-2 You will the need to create the confirmation dialog window.



Use the dialogText variable already defined in the method.
Set the button text to “OK”.

3-3-3 Add the “NewEmail” event handler to your confirmation dialog.



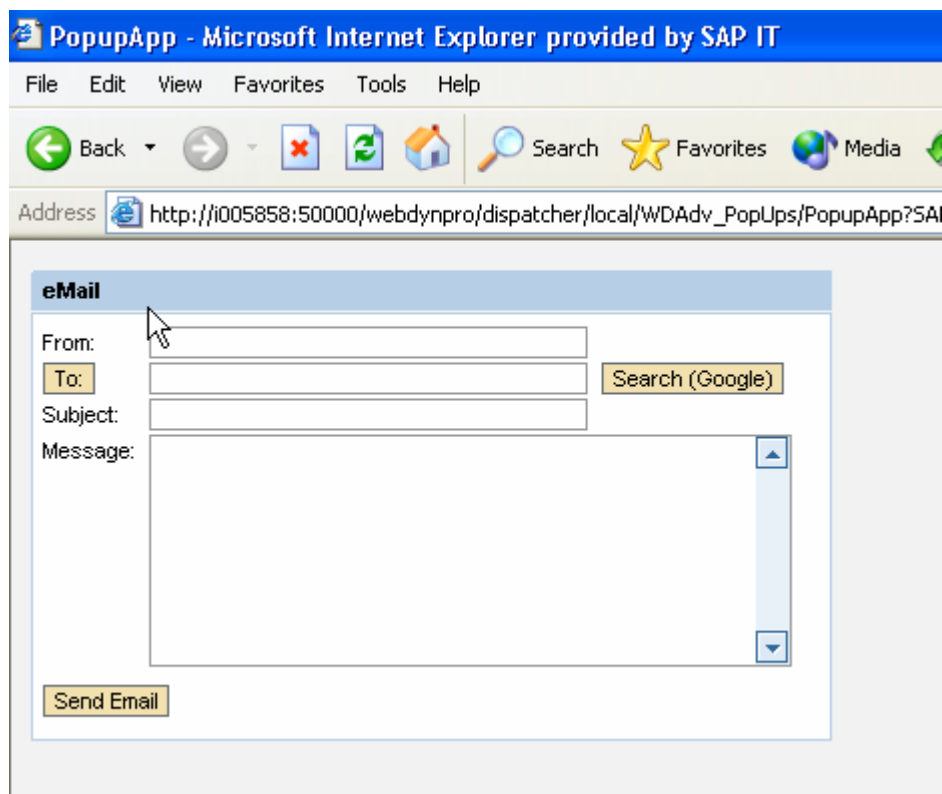
You will need to get the event handler info for method “NewEmail”.
Then use the addChoice method of the confirmation dialog window.

3-3-4 Position the window in the center.

3-3-5 Open the window.

4 Deploy and Run

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



- 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.

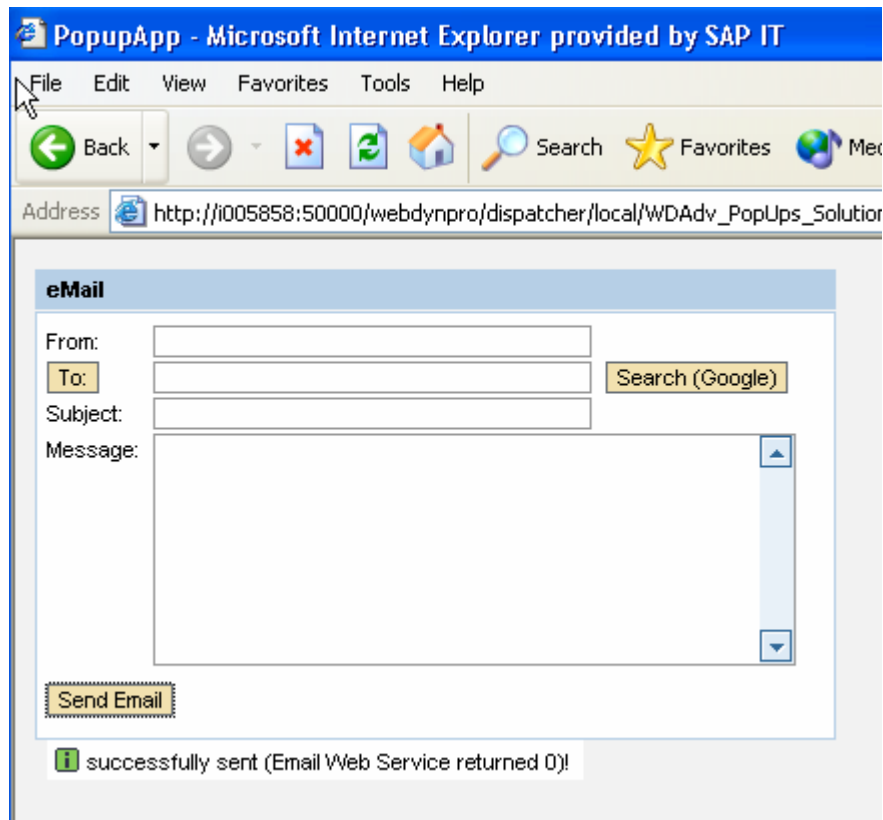
The screenshot shows a Microsoft Internet Explorer window titled "PopupApp - Microsoft Internet Explorer provided by SAP IT". The address bar displays the URL: [http://i005858:50000/webdynpro/dispatcher/local/WDAdv_PopUps_Solution1/PopupApp?<v>](http://i005858:50000/webdynpro/dispatcher/local/WDAdv_PopUps_Solution1/PopupApp?). The main content area is titled "eMail" and contains a form with the following fields:

- From:
- To:
- Subject:
- Message:

Testing 1 2 3
Testing 1 2 3
Testing 1 2 3

Below the form is a "Send Email" button. A "Confirmation dialog" is displayed over the bottom of the form, containing the text: "The email was successfully sent (Email Web Service returned 0)!" and two buttons: "OK" and "New Email". A small status bar at the bottom left of the dialog shows a green information icon and the word "success".

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



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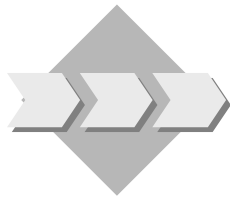


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Exercise 3 – Create a confirmation dialog window.

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 Exercise Guide

- 3-1 Open the project called WDAAdv_Popups...you should have already finished exercise #2.
- 3-2 Open the view “EmailView” and go to its Implementation.
- 3-3 In the method onActionShowGoogleWindow(...) add code to create and open an external window.



Set the external window to open <http://www.google.com>

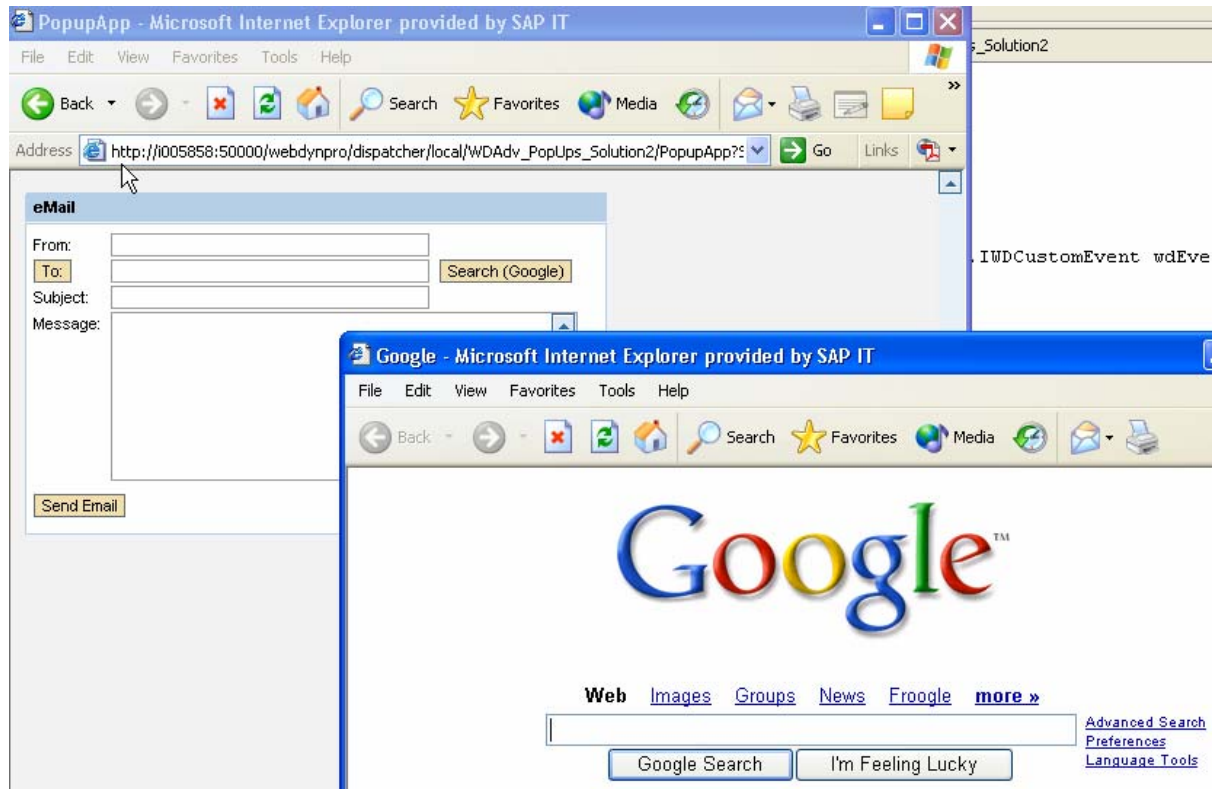
4 Deploy and Run

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 features a form titled "eMail" with the following fields and controls:

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- Search (Google):** A button located to the right of the "To" field.
- Send Email:** A button located at the bottom left of the form.

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



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