SDN Contribution

GETTING STARTED IN BSP

Summary

The code sample describes the step by step activities to be performed while creating and executing a simple BSP. It is suitable for budding BSP developers who needs a start up.

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Code Explanation

The code explains the steps to create a simple BSP Application.

The BSP Application has three pages.

enter.htm

empid.htm

all.htm

a) Each page holds the layout area where the code for page layout tab (how the page should look like) is written.

b) The Pages also have the event handler tab section under which the button click event of the pages are handled.

c) The page attributes tab gives a list of all data parameters used within the page and those that are transferred to the successive pages.

d) The code below holds sufficient inline comments which will be useful for better understanding. The screen shots will aid the reader to easily follow the coding.



Creating the BSP Application (Tcode: SE80)





Creating the pages for BSP Application



Page should be created as page with flow logic



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The screen shot showing the Layout, Event handler, Page Attributes Tabs of a page

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🖶 Transport Organizer	<pre><!-- HTML Coding to add the Heading ,</pre--></pre>	An image from local desktop>
BSP Application	<h1> Employee Details </h1>	
ZC9_BSP_EMP	<pre><body bgcolor="#R5F1D2"></body></pre>	

Specifying the data parameters (used in the page) in page attributes



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Coding for Layout of Enter Page :

The coding lines in below code starting with tag <! Indicates the Comment lines which is written for easy understanding.

*_____

<! The below code is a page directive which specifies the language used in the page >

<%@ page language="abap" %>

<html>

<head>



<! HTML Coding to add the Heading , an image from local desktop>

<h1> Employee Details </h1>

<body BGCOLOR="#B5E1D2" >

<h2> Welcome to our Employee Details Display </h2>

<! The interactive Input and Event triggering elements of the Page are written inside a form tag >

<form method="post">

```
<! Label for Text Box >
```

Employee-id

<!--Inserting a Text box input field (Type,Name,Value) --> <input type=text name="employeeid" value="" >

<!--Inserting two buton field -->

<input type=submit name="onInputProcessing(select)"

value="select employee record">



<! In above code when the button is clicked the event routine written under the Event Handler tab is called and executed >

<input type=submit name="onInputProcessing(all)"

```
value=" list all employees ">
```

</form>

<! the below is written in event handler area of page>

<! If in case in the target page-attrib there is automatic parameter employeeid then its value is passed as >

<!--navigation->set_parameter('employeeid')-->

</body>

</html>



The layout coding for enter.htm page gives this output



Coding written under Event handler for Enter Page:

case event_id.

*Event_id holds the name of the event triggered in the page

when 'select'.

navigation->set_parameter('employeeid').

*The above command sets the value of the parameter employeeid so that it can be accessed *in successive pages.

navigation->next_page('TOEMPID').



*Here The next page which the browser should navigate to is specified. TOEMPID is the *navigation request which specifies the next page. *Refer to the screen shot above for navigation request.

when 'all'.

navigation->next_page('TOALLEMP').

when 'others'.

endcase.

Coding written inside the Layout of Empid.htm page:

The standard ABAP Coding to be written inside the Layout page is written between a <% and %> tag and it is automatically colored blue on saving the page.

<%@page language="abap"%>

<%@extension name="htmlb" prefix="htmlb"%>

<html>

<body BGCOLOR="#B5E1D2">

<h2> Employee Detail </h2>

<! ABAP code to select the employee id from the table.>

<% data: v_employeeid type zc9_employee-emp_id. %>

<% v_employeeid = employeeid. %>

<h3> selected Employee-ID : <%=employeeid %> </h3>



<% clear wa_emp.

select single * from zc9_employee into wa_emp where emp_id = employeeid. %>

<% if sy-subrc <> 0 or wa_emp-emp_name is initial . %>

<h3> Employee Record not found </h3>

<%else . %>

<! Constructing a table to display the retrieved record >

Employee ID >Employee Name

<%= wa_emp-emp_id %>

<%= wa_emp-emp_name %>

<% endif. %>

</body>

</html>

Coding written under the layout of allemp.htm page:



<%@ page language="abap" %>

<html>

<body BGCOLOR="#B5E1D2">

<h2> List of Employees </h2>

Employee ID Employee Name

<% data: wa_emp type zc9_employee.

data: i_emp type table of zc9_employee.
select * from zc9_employee into table i_emp.
loop at i_emp into wa_emp. %>

<%= wa_emp-emp_id %>

<%= wa_emp-emp_name %>



<% endloop. %>

<form method="post">

```
<! A button to navigate to home page ( enter page ) >
```

<input type=submit name="onInputProcessing(back)" value="home">

</form>

</body>

</html>

The output of allemp.htm page listing all the employee details – called on clicking the list all employees button in enter.htm page



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