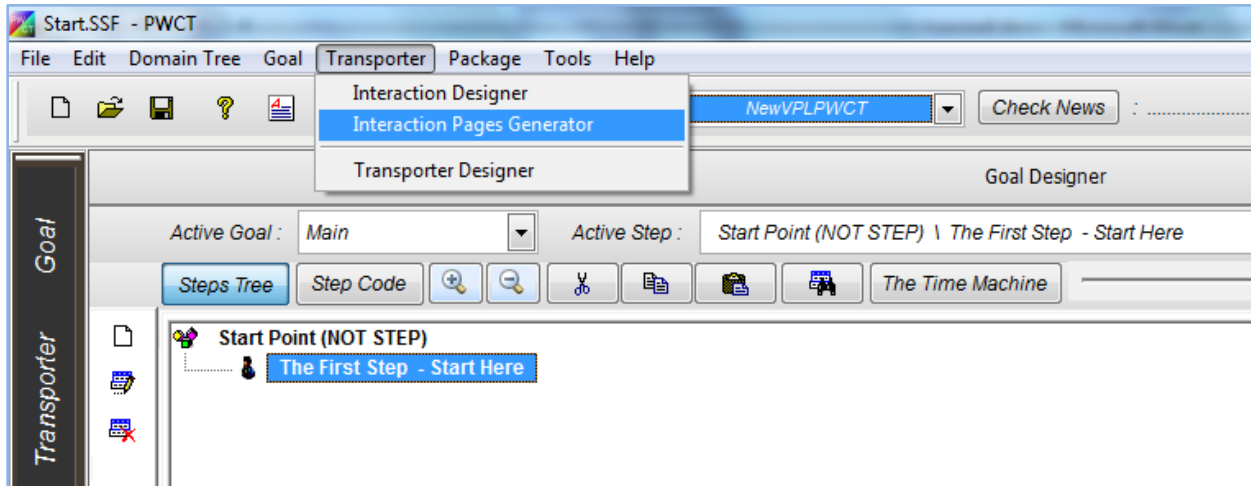


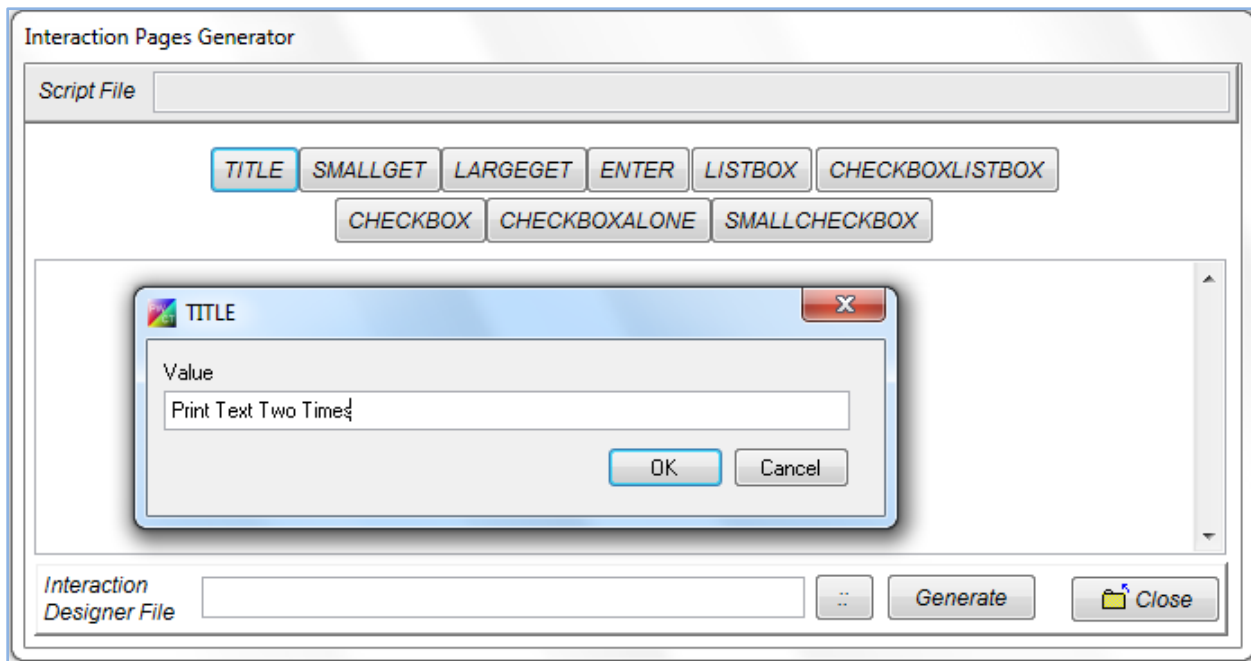
## Creating New VPL (Visual Programming Language) for PWCT – Lesson (4)

In this lesson we are going to create a new component that will print a message two times on the screen , and we will create the interaction page using the Interaction Pages Generator

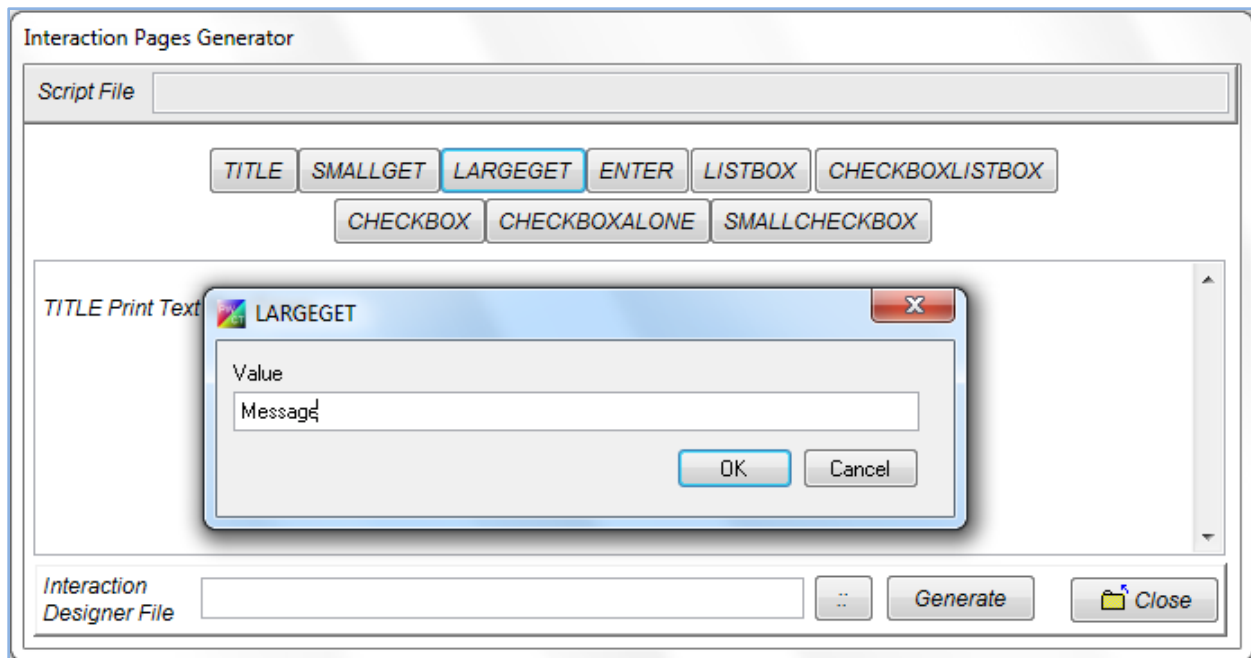
At first we will use NewVPLPWCT and move to the **Transporter** menu then select **Interaction Pages Generator**



Click the **TITLE** button to determine the title of the interaction page for example (Print Text Two Times)

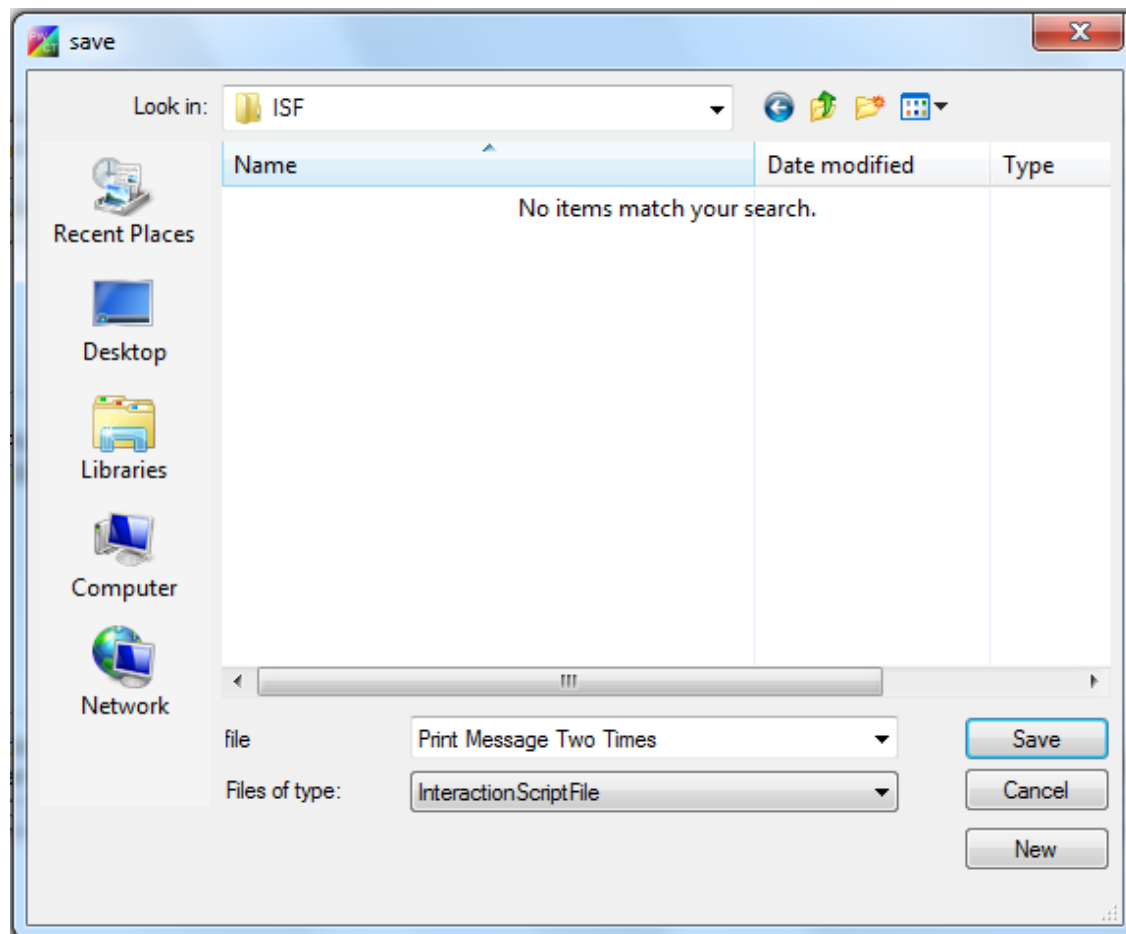


Then to get the input click on the button **LARGEGET** this button will create a label and a text box , the label caption will be (Message)

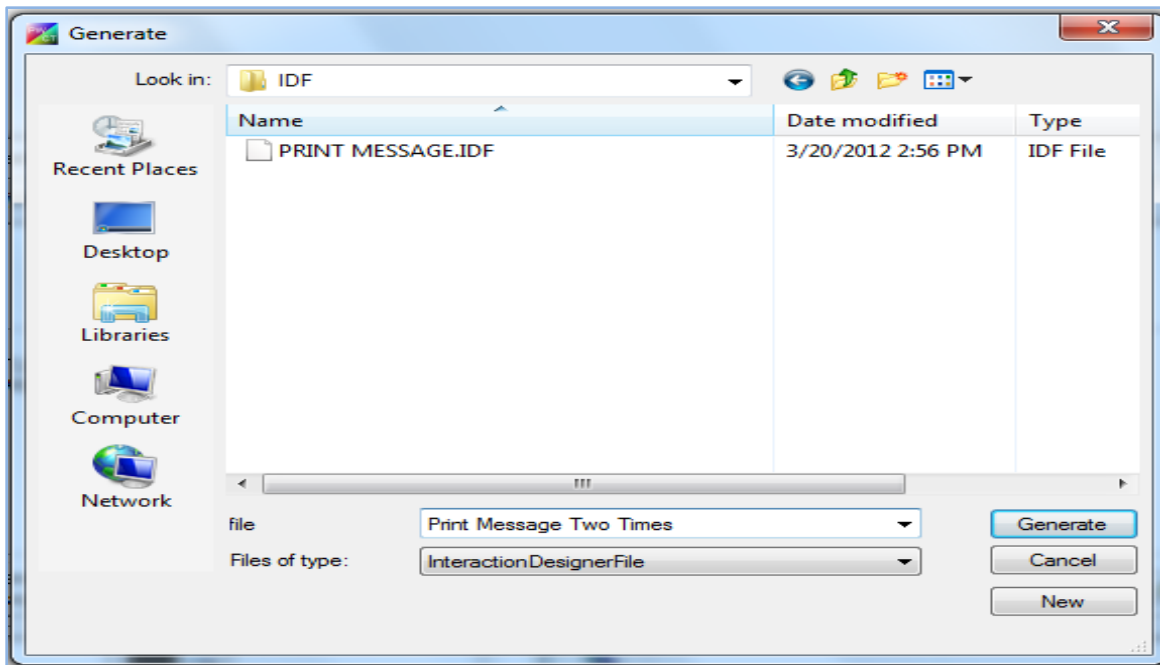


Now save the interaction script file under the name (Print Message Two Times)

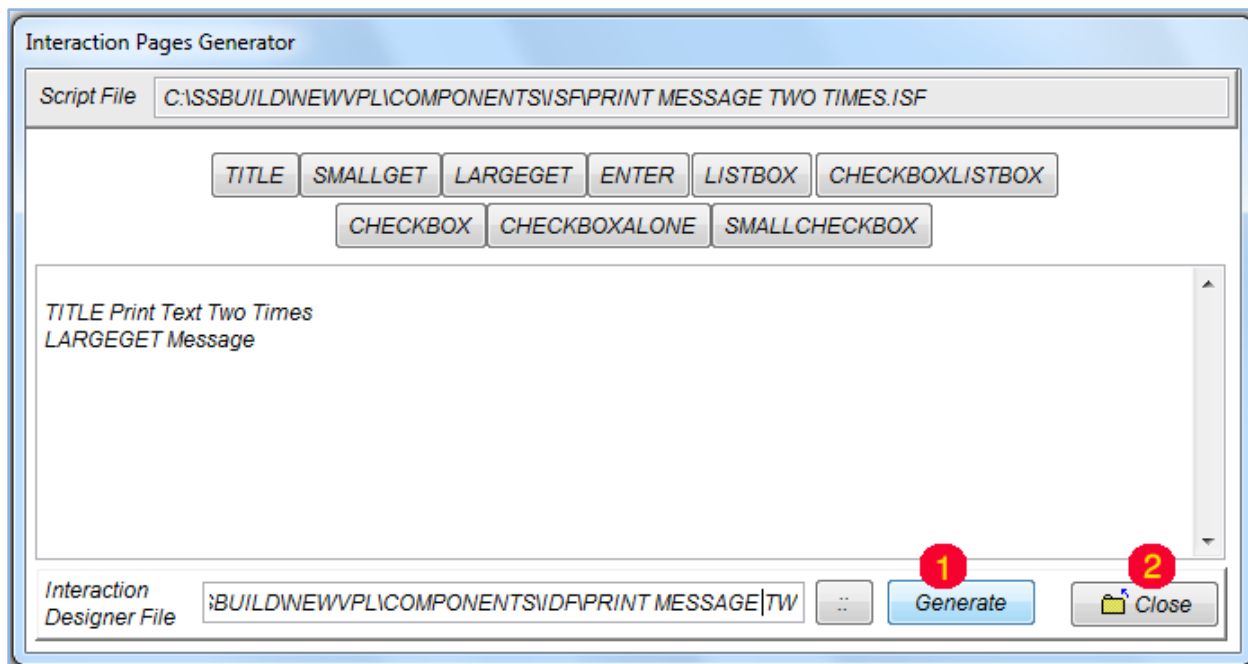
into the folder **ISF(Interaction Script Files)** SSBUILD\NewVPL\Components\ISF



And the generated interaction page will be saved into the folder (IDF) Interaction Designer Files

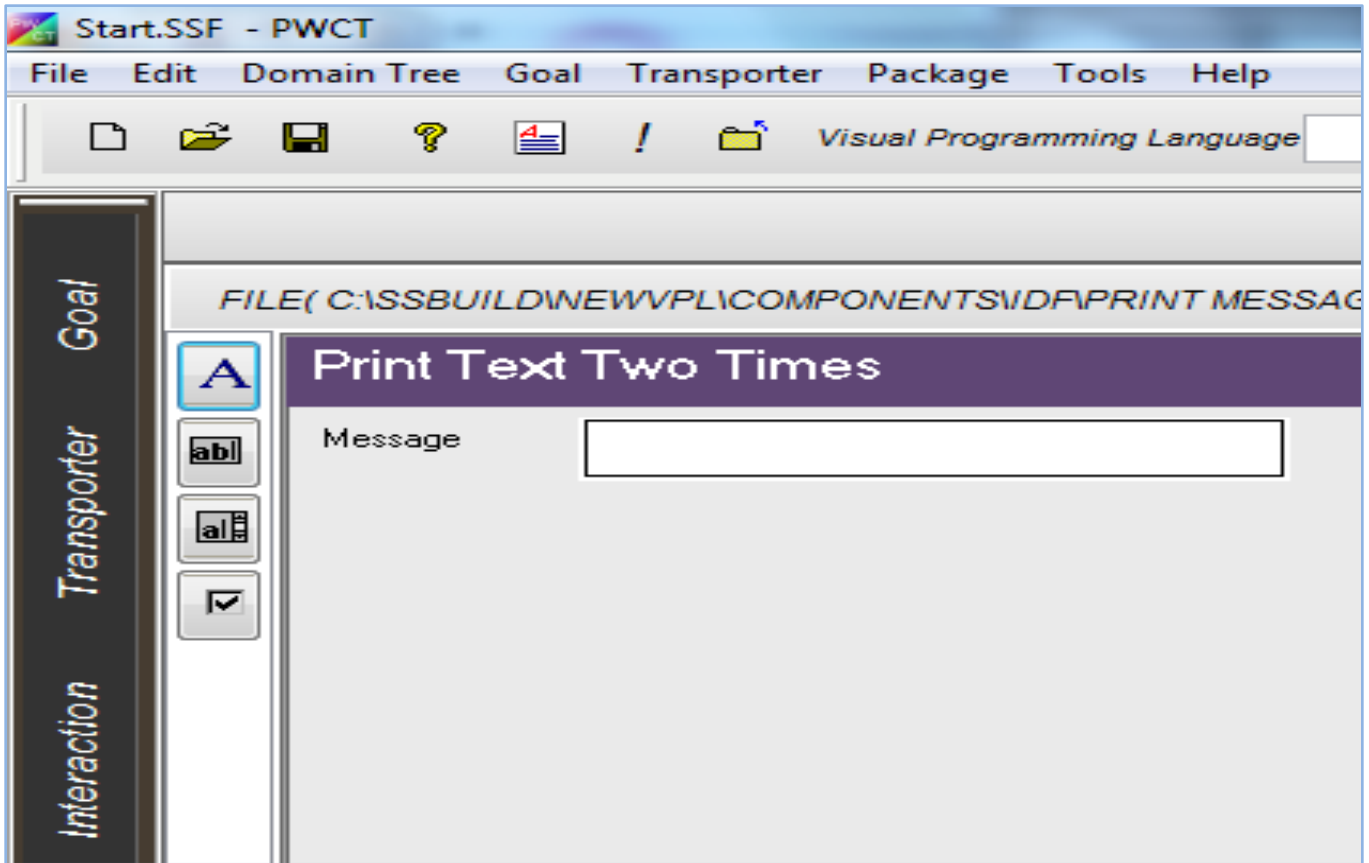


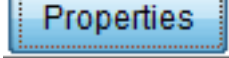
Then click on the Generate button to generate the interaction page then click close button




Now we can check the interaction page using the interaction designer

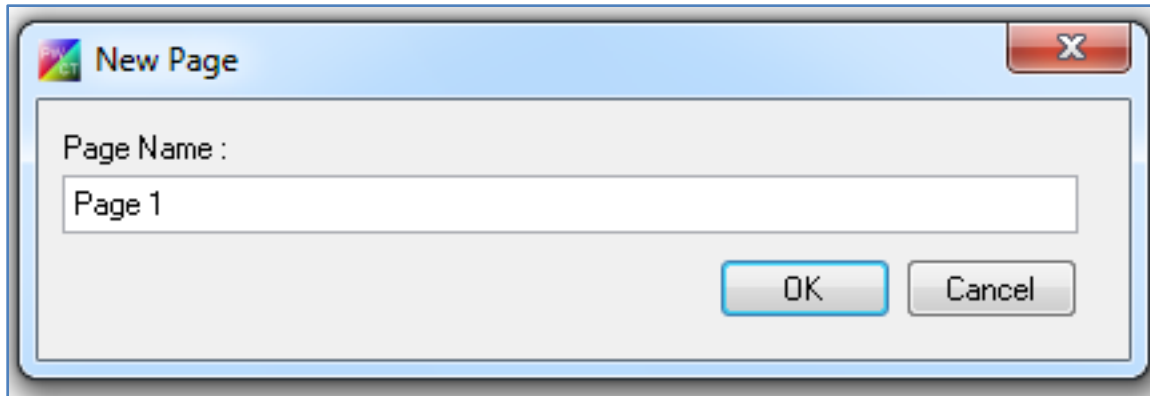
Move to the **interaction** tab and then open the file **PRINT MESSAGE TWO TIMES.IDF**



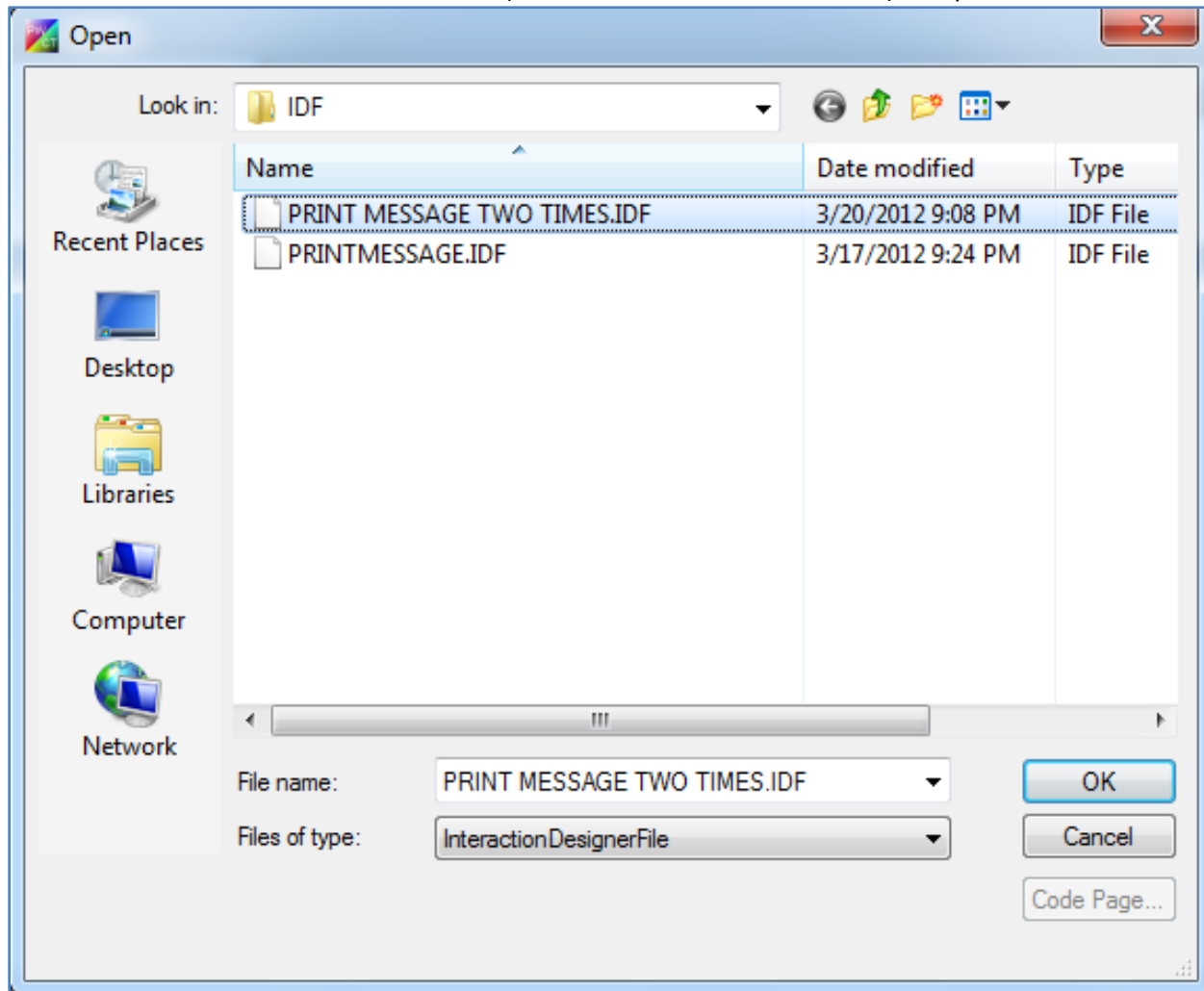
We can determine default value of the textbox by clicking on the properties  button and we will find that the value is(**D\_TB\_Message**)

Top	<input type="text" value="38"/>	Width	<input type="text" value="222"/>
Left	<input type="text" value="91"/>	Height	<input type="text" value="30"/>
Caption	<input type="text"/>		
Text Color	<input type="color" value="black"/>	Font	<input type="text" value="D_TB_Message"/>
Back Color	<input type="color" value="white"/>		

Now we will design the transporter , move to the transporter tab and click on the add  **Add** button to add the interaction page file



Browse for the file name and select the file (**PRINT MESSAGE TWO TIMES.IDF**) then press ok






Move to the code mask and write the code mask script which will create a new step and determine the step code

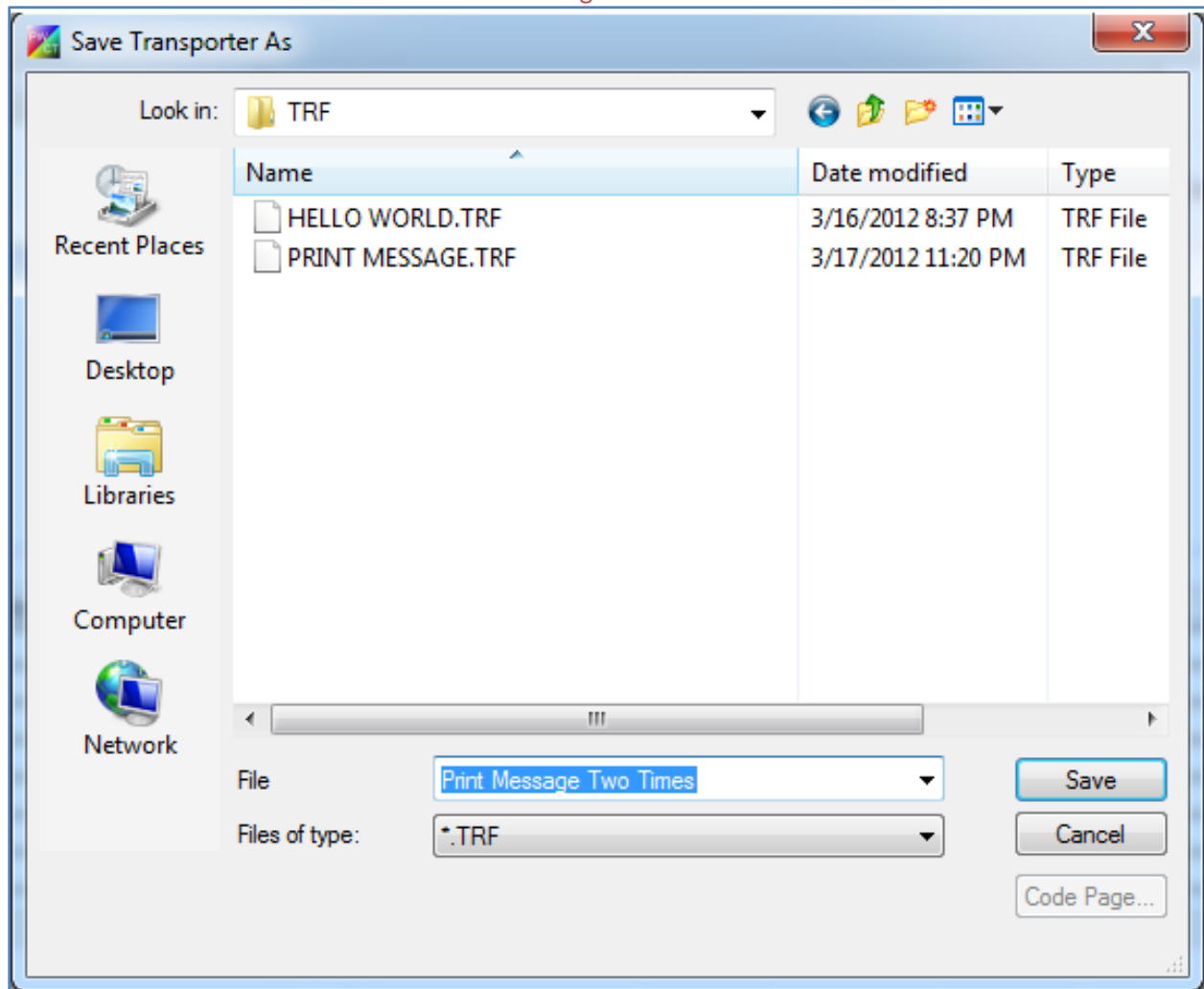
Code Mask Script:

```
<RPWI:NEWSTEP>Print Message <T_Message>Two times  
<T_Message>  
<T_Message>
```

**Note :** we used the variable two times to get the required result

The last step is the matching between the variable from interaction page (**D\_TB\_Message**) and the variable from the code mask (**T\_Message**) Using the button

click on the button  to match them , then click on the save button to save the transporter file in the **TRF** folder under the name **Print Message Two Times.TRF**



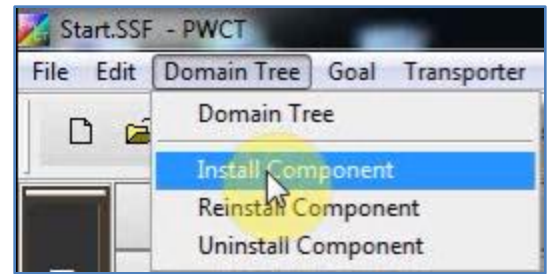


Now we have to install this component into our domain

Component name: Print Message Two Times

Component file: C:\SSBUILD\NewVPL\Components\TRF\PRINT MESSAGE TWO TIMES.TRF

Domain: User Interface



**Install Component**

Name :

File :  ...

Domain :  ...

then we will test our component click interact  then select the User Interface domain then select Print Message Two Times , type your message

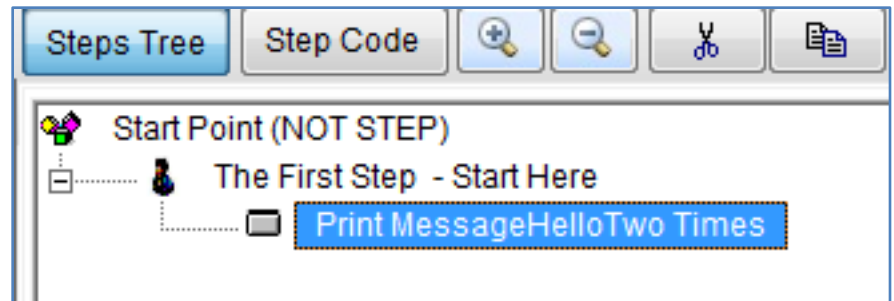
**Goal**

FILE( C:\SSBUILD\NEWVPL\COMPONENTS\IDF\PRINTMESSAGE.IDF)

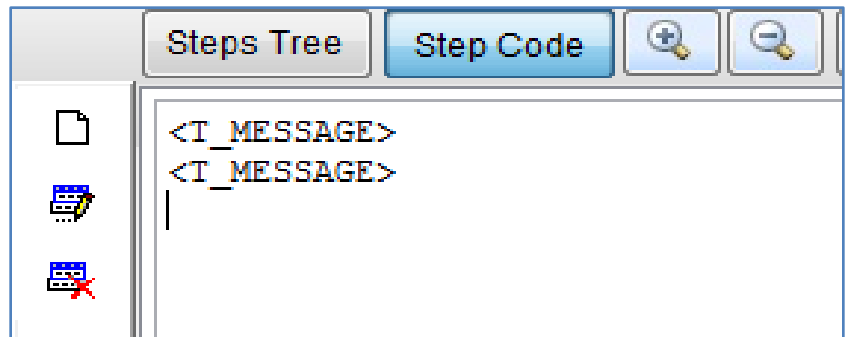
Message

**Transporter**

Now we have the step



And the cod behind it is :



```
<T_MESSAGE>
<T_MESSAGE>
```

Finally click on the run  button to see the result

It will print your message Two times on the Browser

