

Article

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Create a Zen Page using an ObjectScript class method

The following class contains 1 class method "test" that creates a Zen Application and Page:

```
Class objectscript.createZenPage
{
    classmethod test() {
        // create Application...
        set app=##class(%Dictionary.ClassDefinition).%New()
        set app.Super="%ZEN.application"
        set app.Name="ZenTest.MyZenApplication"
        set app.ProcedureBlock=1

        set param=##class(%Dictionary.ParameterDefinition).%New()
        set param.Name="APPLICATIONNAME"
        set param.Default="MyZenApplication"
        set param.parent=app
        do param.%Save()

        set param=##class(%Dictionary.ParameterDefinition).%New()
        set param.Name="HOMEPAGE"
        set param.Default=""
        set param.parent=app
        do param.%Save()

        set ok=app.%Save()
        if 'ok {
            do DecomposeStatus^%apiOBJ(ok,.err)
            write "Error creating App class: "_err(1),!
        }

        // create Page...
        set page=##class(%Dictionary.ClassDefinition).%New()
        set page.Name="ZenTest.MyZenPage"
        set page.ProcedureBlock=1
        set page.Super="%ZEN.Component.page"

        set param=##class(%Dictionary.ParameterDefinition).%New()
        set param.Name="APPLICATIONNAME"
        set param.Default="ZenTest.MyZenApplication"
        set param.parent=page
        do param.%Save()

        set param=##class(%Dictionary.ParameterDefinition).%New()
        set param.Name="PAGENAME"
        set param.Default="MyZenPage"
        set param.parent=page
        do param.%Save()

        set xds=##class(%Dictionary.XDataDefinition).%New()
```

```

set xds.parent=page
set xds.Name="Style"
set xds.Data=##class(%Stream.TmpCharacter).%New()
do xds.Data.Rewind()
do xds.Data.Write(" ")
do xds.%Save()

set xdc=##class(%Dictionary.XDataDefinition).%New()
set xdc.parent=page
set xdc.Name="Content"
set xdc.XMLNamespace="http://www.intersystems.com/zen"
set xdc.Data=##class(%Stream.TmpCharacter).%New()
do xdc.Data.Rewind()
do xdc.Data.Write(" ")
do xdc.Data.Write($c(13,10))
do xdc.Data.Write(" ")
do xdc.Data.Write($c(13,10))
do xdc.Data.Write(" ")
do xdc.Data.Write($c(13,10))
do xdc.%Save()

set method=##class(%Dictionary.MethodDefinition).%New()
set method.Name="%OnAfterCreatePage"
set method.ReturnType="%Status"
set method.parent=page
//implementation is a %Stream
set code=##class(%Stream.TmpCharacter).%New()
do code.Rewind()
do code.Write(" Set tBtn = ##class(%ZEN.Component.button).%New()")
do code.Write($c(13,10)) // carriage return line feed
do code.Write(" Set tBtn.caption = ""Button 2""")
do code.Write($c(13,10))
do code.Write(" Do %page.%AddChild(tBtn)"_ $c(13,10))
do code.Write($c(13,10))
do code.Write(" quit $$$OK")
do code.Write($c(13,10))
set method.Implementation=code
do method.%Save()

set ok=page.%Save()
if 'ok {
    do DecomposeStatus^%apiOBJ(ok,.err)
    write "Error creating Page class: "_err(1),!
}

do $system.OBJ.Compile("ZenTest.MyZenApplication")
do $system.OBJ.Compile("ZenTest.MyZenPage")
quit
}
}

```

Here's a link to the code on GitHub: <https://github.com/intersystems-community/code-snippets/blob/master/src/...>

[#Code Snippet](#) [#Frontend](#) [#ZEN](#) [#Caché](#)