

About C# to VB.Net conversion

<http://escher07.altervista.org/Archivi/A026.html>

Question:

Dear Sir .. I have reading the article write by Sir which about A Utility for Network Diagrams at <http://www.codeproject.com/KB/GDI-plus/Graphic.aspx>. I have a final year project which similar to this article.

The article is great and help me a lot. I have changed the C# source code to VB.net for my study purpose. The work is fine but i got a problem in open saved file. In C# source code, the object are well linked after open. For example, line_0 linked with emitter_0 and Router_0. but in VB.net source code, the object did not linked. When the object dragged, Sir can see the object not link to each other although the position is correct. i check both source code no much different but still can't linked in open saved file.

My Answer:

In the `Function LoadFile(ByVal FileFullPath As String, ByRef sErrFileMsg As String)` you have to substitute this code:

```
GObjects(i) = New GObject(NewGObj.Name, NewGObj.Type, NewGObj.x1, NewGObj.y1, NewGObj.Lnk1,  
NewGObj.x2, NewGObj.y2, NewGObj.Lnk2)
```

With this one:

```
GObjects(i) = New GObject()  
GObjects(i).Name = NewGObj.Name  
GObjects(i).Type = NewGObj.Type  
GObjects(i).x1 = NewGObj.x1  
GObjects(i).y1 = NewGObj.y1  
GObjects(i).x2 = NewGObj.x2  
GObjects(i).y2 = NewGObj.y2  
GObjects(i).Lnk1 = NewGObj.Lnk1  
GObjects(i).Lnk2 = NewGObj.Lnk2
```

Teoretically it's the same thing but in practice it isn't !!!

I think that the problem is the pointers implementation with C# and VB : both the languages manage the pointers but both have not transparent management (like in C++) of these memory addresses. So when you use this "hided pointer" (i.e. object variables) in C#/VB you don't know exactly what happens and many problem are solved only by workarounds.