Hi @holyjewsus

First I have to state that I am not a programmer. I picked up some knowledge by doing. I am working on a research project called pCOLAD, as presented and published at the eCAADe 2014 conference. I want to extend it from Grasshopper to Dynamo. That meant from vb.net and Windows Forms to C#, xaml and MVVM (quite a step!).

pCOLAD is about multidisciplinary parametric design. The idea is that different disciplines use some crucial shared parameters and are immediately informed if a value of a shared parameter is changed. Since a CSV file is easy for all disciplines to handle, I need a pCOLLECT node to gather the crucial parameters and values in the Dynamo solution. And link that to a pSHARE node, that displays a copy of the CSV file (a xaml control with a DataGrid bound to a DataTable) and adds the output of pCOLLECT. A pPARAM node uses the output of pSHARE to find the parameters and values that are needed from other team members. Of course it is more complex than this. In order to understand what a parameter is about, you have to add several attributes. This must be flexible. So pCOLLECT should have the possibility to add parameter inputs. And some smart mapping of different attributes is needed.

As written above I found a way to turn the input of pCOLLECT into CSV format output. Now I linked that to an input of pSHARE, but again have difficulties to use it. I use the Inputs Dictionary to find the data. But need to know the type of course. It turns out to be of type pCOLLECT. I was expecting a Dynamo type like Dynamo.Nodes.CodeBlockNodeModel.

But you say this is an unsafe way. Do you mean that it is not reliable, or that in future versions of Dynamo it will not work (as I noticed going from 0.7 to 0.8). The last is not a big problem. It is a research project. Once Dynamo is more stable I plan to find funding for a test case project.