Pseudocode

# References

* ChooseFile: Opens a fileChooser with extension as parameter, to be appended in the file name, returns Directory and file name
* DDBackend: Backend for DD
* DFDBackend: Backend for DFD
* IsChanged: Reflects if the file has changed since last save
* Log: Debugging pane
* ThisWindow: Current window

# Exit

|  |  |
| --- | --- |
|  | ALGORITHM Exit() : VOID { |
|  | IF (NOT ThisWindow.IsChanged OR savePrompt()) CLOSE ThisWindow; |
|  | } |

# ExportDD

|  |  |
| --- | --- |
|  | ALGORITHM ExportDD() : VOID { |
|  | dir, title := ChooseFile(“.txt”); |
|  | OPEN dir/title AS file; |
|  | ThisWindow.DDBackend := file.DDBackend; |
|  | CLOSE file; |
|  | } |

# ExportPNG

|  |  |
| --- | --- |
|  | ALGORITHM ExportPNG() : VOID { |
|  | dir, title := ChooseFile(“.png”); |
|  | OPEN dir/title AS file; |
|  | DISPLAY ThisWindow.DFDBackend IN file; |
|  | CLOSE file; |
|  | } |

# NewFile

|  |  |
| --- | --- |
| 1 | ALGORITHM NewFile() : VOID { |
| 2 | IF (NOT ThisWindow.IsChanged OR savePrompt()) { |
| 3 | CLEAR ThisWindow.Workspace; |
| 4 | ThisWindow.Title := “Untitled”; |
| 5 | CLEAR ThisWindow.DFDBackend; |
| 6 | CLEAR ThisWindow.DDBackend; |
| 7 | CLEAR ThisWindow.Log; |
| 8 | } |
| 9 | } |

# OpenFile

|  |  |
| --- | --- |
|  | ALGORITHM OpenFile() : VOID { |
|  | IF (NOT ThisWindow.IsChanged OR savePrompt()) { |
|  | ThisWindow.Dir, ThisWindow.Title := ChooseFile(“.dfd”); |
|  | OPEN ThisWindow.Dir/ThisWindow.Title AS file; |
|  | DISPLAY file.DFDBackend IN ThisWindow.Workspace; |
|  | ThisWindow.DFDBackend := file.DFDBackend; |
|  | ThisWindow.DDBackend := file.DDBackend; |
|  | CLEAR ThisWindow.Log; |
|  | CLOSE file; |
|  | } |
|  | } |

# PrintFile

|  |  |
| --- | --- |
|  | ALGORITHM PrintFile() : VOID { |
|  | IF (NOT ThisWindow.IsChanged OR savePrompt()) { |
|  | OPEN “~.png” AS tmp; |
|  | DISPLAY ThisWindow.DFDBackend IN tmp; |
|  | PRINT tmp; |
|  | CLOSE tmp; |
|  | DELETE “~.png”; |
|  | } |
|  | } |

# SaveAs

|  |  |
| --- | --- |
|  | ALGORITHM SaveAs() : VOID { |
|  | IF (DebugFile()) { |
|  | dir, title := ChooseFile(“.dfd”); |
|  | OPEN dir/title AS file; |
|  | file.DFDBackend := ThisWindow.DFDBackend; |
|  | file.DDBackend := ThisWindow.DDBackend; |
|  | ThisWindow.IsChanged := TRUE; |
|  | CLOSE file; |
|  | } |
|  | } |

# SaveFile

|  |  |
| --- | --- |
|  | ALGORITHM SaveFile() : VOID { |
|  | IF (DebugFile()) { |
|  | OPEN ThisWindow.Dir/ThisWindow.Title AS file; |
|  | file.DFDBackend := ThisWindow.DFDBackend; |
|  | file.DDBackend := ThisWindow.DDBackend; |
|  | ThisWindow.IsChanged := TRUE; |
|  | CLOSE file; |
|  | } |
|  | } |

# SavePrompt

|  |  |
| --- | --- |
|  | ALGORITHM SavePrompt() : BOOLEAN Ans { |
|  | OPEN SavePrompt dialog box; |
|  | IF (SavePrompt.Output = “Yes”) { |
|  | SaveFile(); |
|  | Ans := TRUE; |
|  | } ELSE Ans := (SavePrompt.Output = “No”); |
|  | } |