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| Circle Language Spec |

## Ideas

*The texts below are loose ideas yet to be incorporated into a project.*

Software System, Projects

(Old idea. At 2008-09-01 I stated that it was an old idea.)

Ik denk dat ik zelfs bij de projectenlijst

eerst voor het compleet maken van de bruikbaarheid van de taal ga.

Dat wil zeggen: permanent storage erbij.

Daarna voor de integratie van vooral concepts, en mogelijk literals.

En eventueel andere fundamentele invalshoeken erbij.

En mogelijk voor diagrammen erin te integreren op een of andere manier,

eventueel, als ik het qua volledige overlap in codeer concepten en

definitie van de diagramtaal niet al voldoende 1 taal vind.

JJ

Software System,

Na het documenteren wil ik wel snel resultaten zien.

De ontwerpprojecten zullen wat langer duren.

Maar bij de ontwikkelprojecten wil ik heel snel resultaten zien. Er zijn bepaalde fundamentele dingen, die veranderen aan m'n systeem. Maar ik wil niet eerst 100 fundamentele dingen ontwikkelen, voordat ik resultaat zie.

Wie weet is het ontwerp straks zo kraakhelder, dat het niet moeilijk meer is om de enigszins fundamentele dingen te implementeren. Wie weet sla ik gewoon wat fundamentele dingen over, omdat ik minder fundamentele dingen toch eerder wil zien.

Er zullen verschillende soorten ontwikkelprojecten zijn:

- Fundamenteel

- Programmeertaal

- Facilitair / applicaties

Ik wil geen 100 fundamentele dingen eerst ontwikkelen.

JJ

Software System,

De OS kernel is zeg maar niet mijn core business.

Niet dat je echt van een core business kan spreken.

Maar daarom heb ik er niet zo'n zin in om er veel tijd in te steken. Grappig, dat ik die modules tezamen wel de Core noem...

JJ

Computer Language Documentation,

I have to set up rules for writing style and create a project out of correcting the writing style.

I should only do this after I actually put everything down on paper.

For instance, currently I might put too many relations between things in a single sentence.

Preferably, you only relate two things to each other in a single sentence.

Then, multiple sentences have to contain a single message, but this reads with more ease.

It sort of allows the reader to breath.

Also, I should revise the wording of my stories. Think about it more hard, but only after

I've put all of it down on paper, or I'd spend too much time trying to make things perfect.

JJ

Document Computer Language,

In articles’ *See also* references, you can have backward references and foreward references.

- Possibly Move globality higher up, before methods,

and mention in methods, that they are usually made part

of a globality.

New Computer Language,

2008-09-01

Near the end of the development of the new computer language,

next to the application programming projects,

you have to have a set of extreme test cases,

complete, workable and fast enough.

These are extreme test cases, that have to be

possible in the new general purpose computer language.

It are the ones I doubt the first version will be able

to handle, so still consider a challenge,

especially in the area of performance and

complete for the purpose it will be used for:

- Real-time music synthesizer

- Game-speed graphics rendering

- Device driver pack

- Network-distributed application

- Business process automation

- Navigate existing systems over the internet

- Playing video

Perhaps even further down the road, you should have even more

extreme test cases:

- Real-time distributed music synthesizer

- Game-speed distributed graphics rendering

- Auto-hack weak spots in computer networks

JJ

Projects,

2008-09-21

Commands and procedures have now become data, and are just as changeable as data, unless you put some access control on it.

This has as an effect that each object of a class has its own copy of the commands and procedures. In other programming languages all the objects shared the commands and procedure code, so they did not need to have their own copy, because an object had its own data but not its own code. In the new computer language, code is data, so in the new computer language we would call the code, data that is shared by all objects of a class.

Such data sharing should be adressed in a the future in a separate project, because if you don’t, then data storage in the new computer language will be less efficient than in other systems.

JJ

Projects,

2008-09-17

Make it a project to read over all finished work, in order to have the current systematics clearer in mind.

JJ

Computer Language,

Perhaps you need a project where you translate all ideas in Dutch to English.

JJ

CL,

2008-09-15

There have to be projects about ISNSE,

about cached storage and the connection

between the logical and the physical.

AND transparent security.

AND concurrency resolution.

They are all vital for this language to succeed.

But they are not worked out yet at all.

JJ

CL,

2008-09-15

One of the most powerful features of this language,

will be that low-level device driver programming,

and high-level programming for a world-wide

network of computer is done through the exact

same paradigm, without any loss of performance.

I am currently working on the concept of parameters,

and it has such a small scope compared to that.

I am beginning to get nervous about it, that I am

focussing on a detail so much, and not working on

the grand view of it.

However, parameters are important. Because they

are the base for concurrency resolution

with the help of command IO and AEO.

However, Compared IO and AEO is only ONE candidate for

concurrency resolution.

It is totally not clear yet how the concurrency resolution

mechanism will look.

This makes me nervous. I am several subjects away from

having worked out all concurrency resolution candidates,

and it is vital for ISNSE. And ISNSE is vital for the language

to succeed.

JJ

<op veel plekken ontbreekt de uitleg van de toepassing. Het lijkt alsof als ik de theorie op papier heb, ik de toepassing maar uitwis. Introduction gaat helemaal over de toepassing. Objects Basics en Procedure Basics daar is de toepassing compleet zoek. Access Control daarbij is de toepassing ook helemaal zoek. Waarom heb je dat soort access controllers? Waarom moet je global access hebben en waarom clause access? In Lines lijk ik nu wel wat meer voorbeelden te behandelen, maar alleen maar omdat ik er aan werk. Als ik dit nu niet op zou hebben gemerkt zou ik straks een theorie hebben geformuleerd in lines en de toepassing compleet weggeveegd. Ik moet meer de theorie en toepassing combineren. Ok, je moet een theorie *vormen*, en uiteindelijk moet je de theorie apart op papier hebben, maar na het vormen van de thoerie is uitleggen van de toepassing niet opeen onbelangrijk. Dit gebeurt echt vaak in boeken. Ze komen maar met de theorie en de voorbeelden ervan zijn compleet achter wege gelaten.>

Circle Language Spec,

2009-04-20

Als ik code van een ander analyseer op het werk,

krijg ik weer die oude nervositeit terug,

van 3 projecten verder willen zijn met mijn eigen programmeertaal.

JJ

NCLFD,

2009-04-20

You already have those things, even when you do not have

CCR or ISNSE or have incorporated existing ideas of other people.

That's why it is so important to first do the easy projects.

JJ

CL,

2009-05-13

The Fundamental Principles has a lot of comparisons in it to other systems.

However, not comparing is a writing style rule set later.

However, the Fundamental Principles is an exception:

it explains why this language is there. And the new language solves problems

of other language, hence comparison is required.

JJ

New Computer Language Functional Design,

Hazards of the reader losing faith in you:

- documentation too difficult

- disbelief: this can not work

- disbelief: this is not handy

- disinterest (does not grab the attention)

JJ

Document Software System,

2009-04-27

Perhaps one day it is also important to mention how original the ideas are supposed to be.

JJ

New Computer Language Functional Design,

2009-06-22

At the end of the project, you should do a spelling check

and also a grammar check. I do a lot of things wrong.

When Word suggests a grammar correction, do verify,

that the program is right, and that that is the actual grammar rule.

JJ

New Computer Language Functional Design,

2009-08-26

Perhaps eventually make a separate Pointer-to-Pointer chapter,

to which you move everything about pointers-to-pointers.

But for now you have to consider pointers-to-pointers every time you

work out a theme.

JJ

New Computer Language,

2010-01-27

Another reason the name Circle is good,

because if you'd actually use the language as a user interface,

it is a non-square user interface. Most user interfaces are

square oriented or rectangularly organized.

But Circle is not. It is non-square.

JJ

*Author: JJ van Zon Date: 2008 Location: Oosterhout, The Netherlands Status: Under Construction*