# Circle Language Spec Plan Automatic Containment for Relations

*Author: JJ van Zon*

*Location: Oosterhout, The Netherlands*

*Date: May 26, 2008 – June 21, 2008*

## Goal

This would update the article Automatic Containment, to include newly found improvements to it, and include things found out in the project Diagram Expression for Classes & Relations.

This was originally a project step of the project Diagram Expression for Classes & Relations, but it has been isolated as a separate project.

## Brainstorm

The problem now, is that nearly all references will be part of a bidirectional relation. So all lines will be the result of a line merge and symbol merge.

This will make the diagrams look totally different. What might need to be done, is draw out a good example of a diagram without line and symbol merges, then do the line and symbol merges and then look what’s left of the diagram.

What I suspect, is that more things will end up next to each other, instead of inside each other.

## Steps

- Look at Computer Language Coding Principles.doc

- Process as cross out lists:

- Symbol Language.doc

- Relational Structure.doc

## Elements

### Project Steps

- Go through all ideas you can find.

- Update article Automatic Containment

- Added features:

- Implicit connection through parent

- Implicit contents through reference target

- Imaginary reference not created if single real reference already there.

~ Alleen een imaginary reference op een container die meer referenties toevoegt.

- Imaginary target, logical target, physical target

- Update the whole article

- Adapt the Classes & Relations articles accordingly

Among other things:

- You have to do a line merge between the reference and the referrers.

### Products

Articles **(1)**:

- Automatic Containment