

CoCoALib - Support #252

Documentation for tmp.H (utils on vectors and other containers)

03 Oct 2012 10:56 - Anna Maria Bigatti

Status:	Closed	Start date:	03 Oct 2012
Priority:	Normal	Due date:	
Assignee:	John Abbott	% Done:	100%
Category:	Documentation	Estimated time:	5.30 hours
Target version:	CoCoALib-0.99534 Seoul14	Spent time:	5.10 hours
Description			
tmp.H includes some useful functions, such as sum , product , ... but documentation is missing (of course, as it is called "tmp" ;-) Maybe we should move these functions in utils.H?			

History

#1 - 03 Oct 2012 18:07 - John Abbott

- Category set to Documentation

My "gut feeling" is that code in tmp.C should not have official documentation.

However, from a practical point of view it is probably a good idea to develop some documentation for candidate new functions. Perhaps the documentation should simply be marked clearly as **EXPERIMENTAL** (or *likely to change* or whatever)?

#2 - 02 Apr 2014 09:28 - Anna Maria Bigatti

John Abbott wrote:

My "gut feeling" is that code in tmp.C should not have official documentation.

However, from a practical point of view it is probably a good idea to develop some documentation for candidate new functions. Perhaps the documentation should simply be marked clearly as **EXPERIMENTAL** (or *likely to change* or whatever)?

tmp has some useful functions which should be documented.
Maybe it should be renamed into **template**

#3 - 02 Apr 2014 09:29 - Anna Maria Bigatti

- Target version set to CoCoALib-0.99533 Easter14

#4 - 07 Apr 2014 18:12 - John Abbott

- Target version changed from CoCoALib-0.99533 Easter14 to CoCoALib-0.99534 Seoul14

#5 - 14 Jul 2014 17:23 - John Abbott

- Status changed from New to Feedback
- Assignee set to John Abbott
- % Done changed from 0 to 90
- Estimated time set to 2.30 h

Renamed file to **UtilsTemplate.H**.
Moved LexCmp3 into the file (from utils.H).
Added doc (& moved doc for LexCmp3).
Added new example ex-UtilsTemplate1.C

Still need to improve HasUniqueOwner so that it works with any container.

#6 - 14 Jul 2014 17:32 - Anna Maria Bigatti

Should also << for vector/list be here?
(now it is in io.H)

#7 - 14 Jul 2014 17:49 - John Abbott

I suppose it makes sense to move them... perhaps I'll think about it overnight before acting.

#8 - 14 Jul 2014 17:53 - John Abbott

HasUniqueOwner should now work with any container. Checked in.
[I haven't actually made any specific tests, but the standard CoCoALib tests compile and pass]

#9 - 15 Jul 2014 14:47 - John Abbott

Christof does not like the name UtilsTemplates.H; he suggested UtilsContainers.H or UtilsVector.H saying that it would be a more helpful name for users -- actually most users would presumably just include library.H. I think he does have a valid point.

He also said that it would make sense to move the printing functions only if the header file name indicated that that is where they would likely be; he was concerned that they may end up "hidden" inside a header whose name is too vague.

Opinions?

#10 - 15 Jul 2014 15:12 - Anna Maria Bigatti

John Abbott wrote:

Christof does not like the name UtilsTemplates.H; he suggested UtilsContainers.H or UtilsVector.H saying that it would be a more helpful name for users -- actually most users would presumably just include library.H. I think he does have a valid point.

OK... it would be quite helpful for me, at least.

I find templates scary, whereas I often wonder "where is that function on vector defined?" ;-)
(I can think of some other functions I might like to add to it, if we call it UtilsVector..)

#11 - 15 Jul 2014 15:59 - Anna Maria Bigatti

- Subject changed from *Documentation for tmp.H* to *Documentation for tmp.H (utils on vectors and other containers)*

#12 - 31 Jul 2014 16:53 - John Abbott

- Status changed from *Feedback* to *Closed*

- % Done changed from 90 to 100

- Estimated time changed from 2.30 h to 5.30 h

The final (hasty?) decision is the call the file **VectorOperations.H** (even though most functions in it apply to other C++ containers as well). The printing functions for vector and list have been merged into it too -- so the old header files *io.H* and *UtilsTemplate.H* have been removed.

All tests pass. Documentation and examples have been updated.
Checked in. Closing.