

CoCoA-5 - Support #1636

Missing/Incomplete manual entries

25 Nov 2021 17:13 - John Abbott

| | | | |
|---|----------------------|------------------------|-------------|
| Status: | In Progress | Start date: | 25 Nov 2021 |
| Priority: | Normal | Due date: | |
| Assignee: | | % Done: | 10% |
| Category: | Manual/documentation | Estimated time: | 0.00 hour |
| Target version: | CoCoA-5.4.2 | Spent time: | 2.70 hours |
| Description | | | |
| Some entries in the online manual are missing or very incomplete. | | | |
| ?uniq | | | |
| Can we find and correct these systematically? | | | |

History

#1 - 29 Nov 2023 21:34 - John Abbott

- Status changed from New to In Progress

- % Done changed from 0 to 10

Here is a start to finding which functions need manual entries but don't have them.

Below is some CoCoA-5 code which prints to the file CheckManual.cocoa5
lots of manual queries (one for each command which ought to have a manual entry).

Find all CoCoA commands which do not have manual entries:

```
// List of all commands which should have manual entries.
L1 := [entry in starting("") | entry.IsExported = true or entry.name[1] <> "$"];

define RemovePkg(str)
  posn := [i in 1..len(str) | str[i] = "."];
  if len(posn) > 1 then error("Expected at most one dot in string"); endif;
  if posn <> [] then return substring(str, posn[1]+1, len(str)); endif;
  return str;
enddefine;

L2 := [RemovePkg(entry.name) | entry in L1];

// print out CoCoA-5 commands to request manual entry for each fn:
OUTPUT := OpenOFile("CheckManual.cocoa5");
foreach name in L2 do
  println "? ", name on OUTPUT;
endforeach;
close(OUTPUT);

// Now source these commands into a CoCoA-5 session, and search
// for "No exact match for" and "No matches for" in the output.
```

#2 - 29 Nov 2023 21:39 - John Abbott

- File `CheckManual-NoExactMatch.txt` added

- File `CheckManual-NoMatches.txt` added

Here is the result of my first sweep:

- `fgrep "No exact match" ...` [44 lines]
- `fgrep "No matches" ...` [336 lines]

Are there other strings one should search for?

#3 - 30 Nov 2023 16:59 - Anna Maria Bigatti

I implemented and exported in CoCoA5 the function `WordList()`, it just is the CoCoA5 version of the utility function `PrintWordList` used for the autocompletion support.

This way we can just call `diff(L2, WordList())` and get the functions without manual. It can also be fiddled with from CoCoA5.

```
["ApproxSolveTF", "ApproxSolveVerify", "Abs", "Append", "Ascii", "Characteristic", "Close", "Coefficients", "Colon", "Comps", "Concat", "Count", "Dashes", "Date", "Deg", "Den", "Depth", "Det", ...
```

I cannot upload is right now because I have some problems with ssh-askpass....

1 Dec 23 checked-in

#4 - 30 Nov 2023 17:21 - Anna Maria Bigatti

Anna Maria Bigatti wrote:

I implemented and exported in CoCoA5 the function `WordList()`, it just is the CoCoA5 version of the utility function `PrintWordList` used for the autocompletion support.

This way we can just call `diff(L2, WordList())` and get the functions without manual. It can also be fiddled with from CoCoA5.

[...]

Notice that this way is case sensitive, so also `Abs` is detected (when the manual is for `abs`). We can remove these functions by diff-ing off the functions in `BackwardCompatible` package.

Overall, I think it nice to be able to manipulate the list within CoCoA5, e.g. I might want to check the functions exported by a specific package.

Files

| | | | |
|------------------------------|---------|-------------|-------------|
| CheckManual-NoExactMatch.txt | 2 KB | 29 Nov 2023 | John Abbott |
| CheckManual-NoMatches.txt | 16.2 KB | 29 Nov 2023 | John Abbott |