

The latex-lab-firstaid package

Temporary patches to external packages

L^AT_EX Project*

Version 0.80 2023-06-04

Abstract

1 Introduction

The followings contains small temporary changes to external packages to avoid errors with the new tagging code.

Similar to the main firstaid package the goal is to remove the patches once the packages have been updated.

2 Implementation

```
1 <*package>
2 <@@=tag>
3 \ProvidesPackage {latex-lab-testphase-firstaid} [2023-06-04 v0.8
4   Temporary patches to external packages need for the tagging project]
```

2.1 blindtext

The blindtext package generates lists with nested `\loop` command. The inner loop introduces a group around the list which error when lists are tagged as `\@doendpe` is lost.

```
5 \AddToHook{file/blindtext.sty/after}[latex-lab-firstaid]{%
6   \FirstAidNeededT{blindtext}{sty}{\blindfiledate\space\blindfileversion\space%
7     blindtext-Package}%
8   {%
9     \renewcommand{\blind@items}{%
10      \setcounter{blind@listcount}{1}%
11      \loop
12      \ifblind@optional
13      \ifblind@long
14      \item[\blindtext@countitem] \blindtext@text
15      \else
16      \item[\blindtext@count] \blindtext@item
17      \fi
18      \else % \blind@optionalfalse
```

*Initial implementation done by Ulrike Fischer

```

19     \ifblind@long
20         \item \blindtext@text
21     \else
22         \item \blindtext@countitem
23     \fi
24 \fi % \ifblind@optional
25 {%
26     \loop
27     \ifnum\value{blindlistlevel}>\value{blindlist@level}%
28         \stepcounter{blind@levelcount}%
29         \blind@list[\value{blindlist}]\relax
30         \addtocounter{blind@levelcount}{-1}%
31         \setcounter{blind@listcount}{1}%
32     \repeat
33     \expandafter\if@endpe\@doendpe\fi % <-----changed
34 \ifnum\value{blind@listcount}<\value{blindlist}%
35     \stepcounter{blind@listcount}%
36 \repeat
37 }
38 }%
39 }

```

2.2 ltugboat

ltugboat need only a redefinition of \l@section to add the hooks

```

40 \AddToHook{file/ltugboat.cls/after}
41 {
42     \def\l@section#1#2{\addpenalty{\@secpenalty}%
43         \advvspace{\TBtocsectionspace}%
44         \@tempdima 1.5em
45         \begingroup
46         \parindent\z@ \rightskip\z@ % article style makes \rightskip > 0
47         \parfillskip\z@
48         \TBtocsectionfont
49         \leavevmode\advance\leftskip\@tempdima\hskip-\leftskip
50         \UseHookWithArguments{contentsline/text/before}{4}
51             {\toclevel@part}{#1}{#2}{\@contentsline@destination}%
52         \csname contentsline@text@1@format\endcsname{#1}%
53         \UseHookWithArguments{contentsline/text/after}{4}
54             {\toclevel@part}{#1}{#2}{\@contentsline@destination}%
55         \nobreak\hfil
56         \nobreak\hb@xt@\@pnumwidth{\hss
57         \UseHookWithArguments{contentsline/page/before}{4}
58             {\toclevel@part}{#1}{#2}{\@contentsline@destination}%
59         #2%
60         \UseHookWithArguments{contentsline/page/after}{4}
61             {\toclevel@part}{#1}{#2}{\@contentsline@destination}%
62         }\par
63     \endgroup}
64 }
65 \</package>
66 \<latex-lab>
67 \ProvidesFile{firstaid-latex-lab-testphase.ltx}

```

```
68 [2023-06-04 v0.8 Temporary patches to external packages need for the tagging project]
69
70 \RequirePackage{latex-lab-testphase-firstaid}
71
72 </latex-lab>
```