LibreOffice

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About LibreOffice

- Community-driven and developed software

- Project of the not-for-profit organization, The Document Foundation

- Free and Open Source Software

- Powerful office suite

- One of the friendliest and fastest growing projects in the free and open source software world

LibreOffice includes

- Writer, the word processor
- Calc, the spreasheet application
- Impress, the presentation engine
- Draw, drawing and flowcharting application
- Base, database and database frontend
- Math, for editing mathematics

Project

- Version 4.2.2
- Multiplatform
- Licence LGPLv3 and MPL
- 30 languages - 82% C++
- Localization - more than 100 languages

Development

- Code:

  git clone git://anongit.freedesktop.org/libreoffice/core

- Bugtracker: Bugzilla

- Communication:

  - Mailing list

  - IRC

  - Bugzilla

My assignment

- Bug 60739:
  https://bugs.freedesktop.org/show_bug.cgi?id=60739

```
It seems that large chunks of code are cut/pasted between a number of modules in
writer:

source/ui/shells/annotsh.cxx:          case FN_WORDCOUNT_DIALOG:
source/ui/shells/annotsh.cxx:                pVFrame-
>ToggleChildWindow(FN_WORDCOUNT_DIALOG);
source/ui/shells/drawsh.cxx:           case FN_WORDCOUNT_DIALOG:
source/ui/shells/drawsh.cxx:                 pVFrame-
>ToggleChildWindow(FN_WORDCOUNT_DIALOG);
source/ui/shells/drwtxtex.cxx:          case FN_WORDCOUNT_DIALOG:
source/ui/shells/drwtxtex.cxx:                 pVFrame-
>ToggleChildWindow(FN_WORDCOUNT_DIALOG);
source/ui/shells/frmsh.cxx:           case FN_WORDCOUNT_DIALOG:
source/ui/shells/frmsh.cxx:                pVFrame-
>ToggleChildWindow(FN_WORDCOUNT_DIALOG);
source/ui/shells/textsh.cxx:
SFX_CHILDWINDOW_REGISTRATION(FN_WORDCOUNT_DIALOG);
source/ui/shells/textsh1.cxx:     case FN_WORDCOUNT_DIALOG:
source/ui/shells/textsh1.cxx:             pVFrame-
>ToggleChildWindow(FN_WORDCOUNT_DIALOG);

if would be excellent to find a common place for that code to go, and to factor
it out into a single shared module.
```

Solution

- Find these duplicates in a source code
- Probably only in Writer in source/ui/shells
- Create a parent/auxiliary class with common functionality
- Extend/use this class to get rid of the duplicates

Thank you for attention

Questions?