

BEDSpell

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COLLABORATORS

	<i>TITLE :</i> BEDSpell		
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REVISION HISTORY

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Chapter 1

BEDSpell

1.1 BEDSpell 1.0 (25.12.98)

BEDSpell is a plug-in ARexx spell checker for Blacks Editor 1.01+

Installation

Technicals

Dictionary

Coded over about 24 hours, after far too much to drink on the night of

Christmas Eve '98, by Daniel Pimley (dan@dream.u-net.com), part of the Micro Design team (md@dream.u-net.com and <http://www.dream.u-net.com/>)

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1.2 Getting it running

1. Copy the full Dictionary drawer and the set of two ARexx scripts, `checkword.bed` and `checkdoc.bed`, from the Rexx drawer to `BED:Rexx`;
2. Copy the `rexxreqtools.library` to `Libs`: if it isn't already there;
3. Add the following lines to the file `BED:Support/startup.dfn` at a logical position:

```
ITEM "Spell Check"      ""  Nop
SUB "Current Word"     ""  ExecARexxMacro BED:Rexx/checkword.bed
SUB "Document"        ""  ExecARexxMacro BED:Rexx/checkdoc.bed
```

4. Make sure that `RAM:Clipboards` exists and the Rexx server `RexxMast` is active before `BED` is started.

1.3 A few technical details

When BED passes words to ARexx scripts, it treats - (good) and ' or ` or " (not good) as spaces. This means words like didn't and I've will be treated as didn and t, and I and ve. Not much I can do about it.

Because, cool as it is, ARexx is sloooooow, I've made the code pull the first char of the word it is reading and open the corresponding dictionary i.e the word "now" would result in dictionary file N being opened. There is no point opening the rest because if the word begins with the letter n, and it is a valid word, it should be in dictionary file N. If the dictionary file check fails, then the user file will be checked. It is done second, because words in the user file will by their nature be less commonly used, and a failed check takes up time.

The clipboards drawer is needed because the checkdoc.bed script simply calls the checkword.bed script over and over for a full document check, and the clip list is used as a basic messaging port between the two via SetClip() and GetClip().

The DataType(upperword,'U') function is used to filter non-alphabetic characters that would slow spell checking down and possibly even cause it to fail.

The elapsed time counter calls are used to make sure that status bar messages appear for at least 0.5 secs, so there's is time to read them.

If you are lucky enough to have an ARexx script compiler, USE IT! It should really speed things up. Remember to remove ExecARexxMacro from the startup.dfn file and just leave the "BED:Rexx/check(word|doc).bed".

Any questions? Check the email address.

1.4 All about the dictionary files

The dictionary was theived in its complete and original form from the ENGINE NiNE DESiGN Super Anagram Solver, which can be found on AFCD32. I have no idea where they got it, but I reckon they probably stole it from somewhere too, as it was totally uncredited. 'nuff said, I think.

Please don't mess with the case of the entries or you'll screw up the ARexx script, which expects entirely uppercase entries. Also don't get rid of the user dictionary file, because its existence is counted on. So even if you make it completely empty, leave the file in Dictionary.
