M-X EMACS-MEETUP London 20TH MAY 2014

by @DOTEMACS

ABOUT MODES

WHAT ARE MODES?

"...ENCAPSULATE A SET OF EDITING BEHAVIOURS."

- Bob Glickstein

YUKIHIRO MATZ CHIEF DESIGNER OF THE RUBY PROGRAMMING LANGUAGE

"I STARTED RUBY DEVELOPMENT WITH INFLUENCE FROM EMACS IMPLEMENTATION"

"BUT AS AN EMACS ADDICT INEEDED A LANGUAGE MODE"

"AUTO-INDENT WAS A MUST"

HBAGKIN 1993, THERE WAS NO AUTO-INDENTING LANGUAGE MODE LANGUAGE WITH SUCH SYNTAX"

"I SOMEHOW SUCCEEDED IN IMPLEMENTING AUTO-INDENT FOR A LANGUAGE WITH 'END' DELIMITERS"

"IF I COULDN'T MAKE RUBY-MODE WORK THE SYNTAX OF RUBY WOULD HAVE CHANGED TO MORE C-LIKE ONE, TOO SIMILAR TO OTHER SCRIPTING LANGUAGES AND AS A RESULT. RUBY WOULD NOT HAVE GAINED CURRENT

HOW WAS IT DONE BY THE PROPERTY OF THE PROPERT

BOB GLICKSTEIN

SCOTT ANDREW BORTON

TAUDITYPES

MINOR & MAJOR

MINGR MODE

DEFINE-MINOR-MODE <NAME>-MODE

C FOR THE MINOR-MO : Keyman

VARIABLE < NAME>-MODE

COMMAND CALLED <NAME>-MODE that can toggle the mode on/off

ADDITIOA HOOK (add-hook 'some-mode 'your-mode)

MAJOR MODE

HOGES name>-mode-hook

SYNTAXTABLE

ENTRY FUNCTION <name>-mode

WHICH SHOULD DO THE FOLLOWING:

SYNTAX HIGHLIGHTING WRITE OPTIMISED REGEXPS O T USE REGEXP-OPT

INDENTATION

SYRIAXIABLE TBEHAVIOUR! MOMEMENT

REMOVE ALL BUFFER-LOCAL VARIABLES (kill-all-local-variable)

SETTHE VARIABLES major-mode TO < name > - mode mode-name TO string "< name > "

INSTALL MODE SPECIFIC KEYMAP

OPTIONS FOR KEYMAP SPARSE-KEYMAP DEFINE YOUR OWN

BIRD MODE TO FILES (ADD-TO-LIST 'AUTO-MODE-ALIST '("\\.BAR\\".FOO-MODE))

RUN USER DEFINED HOOKS FOR THE MODE

Defined with

<NAME>-MODE-HOOK

PROVIDE MODE (PROVIDE '(PROVIDE '(NAME>)

THIS SOUNDS LIKE A LOT OF WORK. WHY RE-INVENT THE WHEEL?

COOKIE CUTTER sample-mode 2001 derived-mode

GHEGKIGG

THANK YOU



NOTES

- » Yukihiro Matz's notes on Ruby syntax design
- » How to write a minor mode
- » Book

"Writing GNU Emacs Extensions" by Bob Glickstein

- » Mode Tutorial
- » sample-mode
- » checkdoc