How to add iMenu and Speedbar support for a major mode

Overview See: • <u>S Menus</u>	The iMenu and Speedbar features provide the ability to list various items inside a file. Emacs supports these features in several major-modes but not all. This document describes how PEL provides iMenu and Speedbar support for major modes that doe not already support them. It describes: • The Emacs commands you can use to investigate the existing support. • The Emacs Lisp code PEL uses to add support. Note that the Speedbar uses information gathered by the iMenu system. To support the Speedbar a major mode must support the iMenu and then				
• <u>∑ Speedbar</u>	identify the files that are processed by the Speedbar.				
Investigation Commands	Use the following commands to check what is currently supported by the major mode of the current buffer.				
Print imenu controlling variables See also: Menus	<f11> ? e i</f11>	(pel-imenu-dbg-print-vars)	Print the value of the imenu variable functionality for the current buffer. • Print this information in a *imenu- • Use this when investigating the in as a (currently primitive) Emacs	dbg* buffer. nenu support for a major mode: use	
How to add iMenu support for a major mode See: • Emacs Manual - iMenu • Search/Replace for Emacs Lisp regexp syntax.	There are several ways to provide iMenu support for a given major mode. Simplest Method Create a set of regular expressions to detect various types of elements and add these in one of potentially many (MENU-TITLE REGEXP INDEX) list elements of the imenu-generic-expression variable. Where: • MENU-TITLE describes the item. Use nil to put this entry at the top of the menu or when you only have one category of items. • REGEXP is the regexp string used to identify the elements. These are match expressions with potentially several groups. • INDEX is the index integer of the regular expression match, where 1 is for the first match group. Use 0 to include the complete expression. Most Flexible Method Implement a function that creates a menu-specific data structure similar in format to imenu—index-alist and set imenu-create-index-function to that function in a hook for your major mode. This is an Emacs Lisp alist that can hold the following element types: • simple element: (INDEX-NAME • POSITION), where:				
	* simple element: (INDEX-NAME . POSITION), where: * INDEX-NAME is a string describing the element type, * POSITION can be a character position integer, a marker, or an overlay. * Only one entry may use a negative value for POSITION to force a rescan of all entries. * special element: (INDEX-NAME POSITION FUNCTION ARGUMENTS), where * a menu entry means executing the following Emacs Lisp expression: (FUNCTION INDEX-NAME POSITION ARGUMENTS) * nested list element: (INDEX-NAME . SUB-ALIST), where SUB-ALIST is a nested alist. Use this for hierarchical menus.				
How to add Speedbar support for a major mode			t of the auto-mode-alist. If this e major modes supported by PEL if string in truns. In the following code is string to be calling the speedbar-add-loads speedbar lazily: pel-add-		

iMenu - Reference

Topic/URL	Comment
Articles describing iMenu	Exploiting Emacs Imenu's Potential Emacs: Rapid Buffer Navigation with Imenu