
MenuCreator v1.0

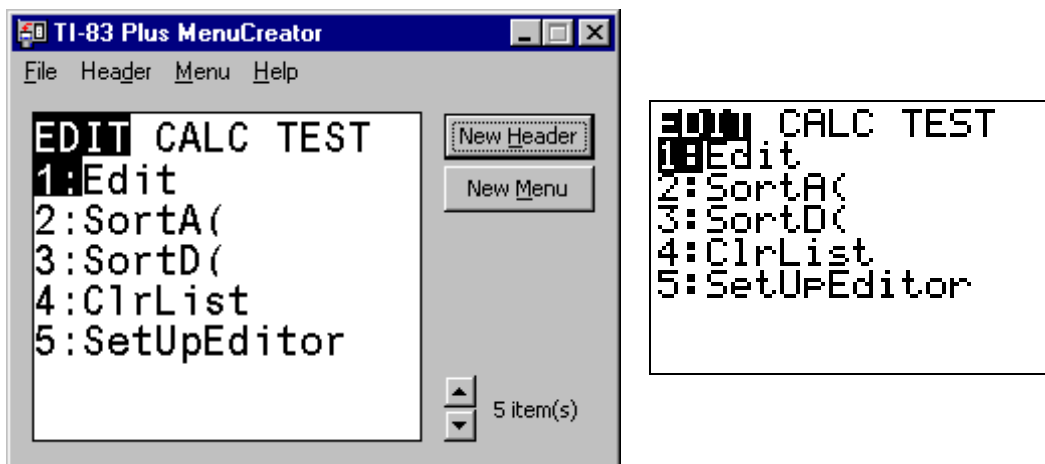
User Manual

INTRODUCTION

MenuCreator is a Windows 95 program to create menus for TI-83 Plus Flash applications. The program is a front-end to Z80 assembly provided with MenuCreator designed to create menus. MenuCreator is designed to work with Zilog Developer Studio — or any Zilog Z80 assembler with macro support.

CREATING A MENU

Creating a menu is a simple three-step process: header creation, menu item creation and then generating and compiling the code. As an example, we will create the Statistics menu (accessible on the calculator by pressing the STAT button). Here are screenshots of MenuCreator and the final resulting Flash application:



ADDING HEADERS

Headers are the items at the top of the menu system — in our example, the headers are EDIT, CALC and TESTS. To add a header, follow these steps:

- Select “Header, New” and the ‘Add Header’ dialog will appear.
- Type in the name of the header (EDIT).
- Press Enter and MenuCreator will add the header.
- Add the other headers

Notice that MenuCreator will outline the headers in red until menu items are added. This is to warn you that the layout cannot be saved or generated since it is incomplete. So, how to add menu items?

ADDING MENU ITEMS

Menu items are the numbered items under each header. Menu items are numbers 1 . . . 9, 0 ,A . . . Z giving each header a maximum of 36 menu items associated with it. To add menu items, follow these steps:

- Select “Menu, New” and the ‘Add Menu’ dialog will appear.
- Type in the name of the menu (“Edit . . .”). Note that the ellipsis (‘ . . . ’) is not three individual periods, but a unique character. To access the character, simply click on the pull-down menu and select “Ellipsis” and the character will be appended to your text. Notice that the preview box updates with the correct character.
- Type in your label. The label is the code that is jumped to when the user selects the item. MenuCreator defaults to “Exit” — this is fine for our testing purposes.
- Press Enter and MenuCreator will add the menu item.
- Add the other menu items. If adding another 33 menu items does not appeal to you, just open StatMenu.mcf in the MenuCreator directory. If it does appeal to you, seek help.

Now, you will want to generate the code and customize it as you see fit.

CODE GENERATION

Generating the code within MenuCreator is incredibly easy:

- Select “File, Create Application . . .”
- Fill in the application name and your developer key. Note that MenuCreator will remember your developer key.
- All the options are checked, which is optimal for your first code generation. For a more detailed explanation of the options see the applicable section below.
- Hit “Create”, and MenuCreator will create the code and open up ZDS with the project.

Congratulations! You have completed your menu! All you need to do now is customize the code as necessary. If you added any different labels you might want to add the code the program should execute. If you did not add any additional menu labels, simply compile the code, sign it and load it on to your calculator. You will then have a fully functional menu system!

FEATURE BREAKDOWN

MenuCreator has a few small features that help menu creation. These features will be broken up according to the dialog they relate to.

MAIN DIALOG

- Double-click on any item to edit the properties.
- Right-clicking on any menu item will show a small Tool tip of the associated label.

Add Header/Menu Dialog

- Preview box: Special character will not appear correctly in the “Name” edit box, therefore the Preview box allows you to view the string as the calculator would display.
- Use standard formatting: When adding a header this will force the characters to uppercase.
- Order: You may change the order of the headers or menu items after you have added them. Note that for the moment you cannot use characters to denote the position (for example, if you want to move an item to position A enter 11).

Create Application Dialog

- Add menu labels: If you have already written code for the labels, then uncheck this box and MenuCreator will not add any empty labels to the code.
- Correct characters: *This is for advanced users only.* The ASCII codes on Windows 95 and the calculator are different for some characters. Therefore, MenuCreator will convert the Windows 95 ASCII codes over to the TI-83 Plus equivalents. If you would like to turn off this conversion, uncheck this box.
- Create Application Header: If you just want the code and no application header, uncheck the box.
- If you do not want MenuCreator to generate the ZDS project, uncheck this box.
- Open project when done: If the ZDS project is generated you can automatically open the project. This can be annoying with multiple code generations, since a new instance of ZDS will be opened every time.

Miscellaneous

- MenuCreator uses two templates to generate the project and application header. If you use a different version of ZDS, it may be necessary to alter the project template to reflect this.