

Menubars

Menubar Structure and Configuration in wxWidgets

The 3 Components to a Menubar in a Program

1. wxMenuBar
 1. This is the entire menubar portion on the top of your window. This contains an array of wxMenus.
2. wxMenu
 1. A clickable option from wxMenuBar, for example File or Help in a typical program. This contains an array of wxMenuItems.
3. wxMenuItem
 1. A clickable option presented from a wxMenu, such as navigating File > Preferences to open the options within a program.

Constructors

wxMenuBar & wxMenu

- We treat wxMenu and wxMenuBar as vectors, thus their constructors may be empty as we append items later on.

wxMenuItem (line 12 for visualization)

- nullptr ~ **Parent menu, you may set this later like how I have**
- wxID_EXIT ~ **It's ID**
- "Exit" ~ **It's button's text**
- "Closes the program" ~ **What happens when you hover your cursor over the object**
- wxITEM_NORMAL ~ **Menu item type ([flag options](#))**
- nullptr ~ **If we'd like to create a sub-menu from this**

Adding Objects (Using Append(...))

Adding wxMenuItem to wxMenu ~ **Line 20**

- No wxString name argument is needed after adding a wxMenuItem.

Adding wxMenu to wxMenuBar ~ **Line 36 & 37**

- Personally, I found that if I hadn't reentered the wxMenu's name within Append, this would not work. Thus, you see:

```
menu->Append(fileMenu, "File");
```

rather than

```
menu->Append(fileMenu);
```