

# Menu GUI Class

[Github Link](#)

```
namespace lc::ui::api
```

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## Menu Constructor

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### Description

Constructs a menu gui object. Menu after being constructed needs to be added to the mainwindow menu bar or to another menu for it to be visible in the application.

- Menu Name - *string*

### Examples

```
local menu1 = gui.Menu("Test")
```

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## Add Menu Item

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### Description

Add menu item to the menu. The item is added to the end of the menu at the last position.

- Menu Item Label - *string* , Lua Callback - *kaguya::LuaRef*
  - returns *MenuItem*
- Menu Item Label - *string*
  - return *MenuItem*
- Pointer to Menu Item - *MenuItem\**

### Examples

```
local item1 = menu1:addItem("Item1")
```

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- ```
local item1 = menu1:addItem("Item1", function() message("Test Item Clicked") end)
```
- ```
local item1 = gui.MenuItem("Item1")  
menu1:addItem(item1)
```

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## Add Menu

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### Description

Add menu to the menu, menu is added at the end of the menu at the last position.

- Menu Label - *string*
  - return *Menu*
- Pointer to Menu - *Menu\**

### Examples

- ```
local menu2 = menu1:addMenu("Menu2")
```
- ```
local menu2 = gui.Menu("Menu2")  
menu1:addMenu(menu2)
```

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## Label

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### Description

Get and set label for the menu.

### Examples

- ```
message(menu1:label())
```

- `menu1:setLabel("New Label")`
- 

## Find Menu Item

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### Description

Find menu item by name or by position in the menu. Return nullptr if doesn't exist or position is invalid.

- Menu Item Label - *string*
  - return *MenuItem*
- Position of menu item - *int*
  - return *MenuItem*

### Examples

```
local item1 = menu1:itemByName("Item1")
```

```
local item2 = menu1:itemByPosition(1)
```

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## Find Menu

---

### Description

Find menu by name or by position in the menu. Return nullptr if doesn't exist or position is invalid.

- Menu Label - *string*
  - return *Menu*
- Position of menu - *int*
  - return *Menu*

### Examples

```
local menu2 = menu1:menuByName("Menu2")
```

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- `local menu2 = menu1:menuByPosition(1)`

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## Remove Menu Item

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### Description

Remove menu item by name or by passing in the menu item. Dosen't do anything if item dosen't exist or is nullptr.

- Menu Item Label - *string*
- Pointer to Menu Item - *MenuItem*

### Examples

- `menu1:removeItem("Item1")`

- `menu1:removeItem(item1)`

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## Remove Menu

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### Description

Remove menu by name or by passing in the menu. Dosen't do anything if menu dosen't exist or is nullptr.

- Menu Label - *string*
- Pointer to Menu - *Menu*

### Examples

- `menu1:removeMenu("Menu2")`

- `menu1:removeMenu(menu2)`

## Hide and Show

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### Description

Hide or show the menu.

### Examples

- `menu1:hide()`
  - `menu1:show()`
- 

## Position

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### Description

Get the current menu position or set the menu position.

- New Position - *int*

### Examples

- `local pos = menu1:position()`
  - `menu1:setPosition(2)`
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## Remove

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## Description

Remove the current menu from the parent menu/menubar.

## Examples

- `menu1:remove()`

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