

Myro

Class MyroGUI

java.lang.Object

Myro.MyroGUI

```
public class MyroGUI extends java.lang.Object
```

This class provides Myro/Java programs with some very simple GUI methods

Version:

1.0

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Field Summary

static int	FILE_OPEN Constant passed to pickAFile to indicate opening an existing file
static int	FILE_SAVE Constant passed to pickAFile to indicate opening a file for saving

Constructor Summary

[MyroGUI](#) ()

Method Summary

static java.lang.String	askQuestion (java.lang.String message) Presents the user with a question modal dialog box for a yes/no response.
static java.lang.String	askQuestion (java.lang.String message, java.lang.String[] options) Presents the user with a question modal dialog box with 1 or more responses.
static double	inputDouble (java.lang.String message) Presents user with an input dialog box, allowing her/him to enter a double.
static int	inputInteger (java.lang.String message) Presents user with an input dialog box, allowing her/him to enter an integer.
static java.lang.String	inputString (java.lang.String message) Presents user with an input dialog box, allowing her/him to enter a String.
static java.awt.Color	pickAColor () Display a dialog box letting the user choose a color.
static java.lang.String	pickAFile (int openType) Display a dialog box allowing the user to select a file for opening or saving.
static void	tellUser (java.lang.String message) Presents the user with an information modal dialog box with only an OK response.
static void	tellUser (java.lang.String message, java.lang.String option1)

	Presents the user with an information modal dialog box with only 1 response.
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Methods inherited from class java.lang.Object

`equals`, `getClass`, `hashCode`, `notify`, `notifyAll`, `toString`, `wait`, `wait`, `wait`

Field Detail

FILE_OPEN

```
public static final int FILE_OPEN
```

Constant passed to `pickAFile` to indicate opening an existing file

See Also:

[Constant Field Values](#)

FILE_SAVE

```
public static final int FILE_SAVE
```

Constant passed to `pickAFile` to indicate opening a file for saving

See Also:

[Constant Field Values](#)

Constructor Detail

MyroGUI

```
public MyroGUI()
```

Method Detail

askQuestion

```
public static java.lang.String askQuestion(java.lang.String message)
```

Presents the user with a question modal dialog box for a yes/no response.

Parameters:

`message` - The text message presented to the user

Returns:

"Yes" or "no"

askQuestion

```
public static java.lang.String askQuestion(java.lang.String message,  
                                             java.lang.String[] options)
```

Presents the user with a question modal dialog box with 1 or more responses.

Parameters:

`message` - The text presented to the user

`options` - An array of Strings containing the text of the buttons(s)

Returns:

The text of the button the user clicked

Precondition:

length of options > 0

inputDouble

```
public static double inputDouble(java.lang.String message)
```

Presents user with an input dialog box, allowing her/him to enter a double. If the user enters an illegal value, the user is told about this and presented with the original dialog box asking for input. This continues until the user enters a valid double or hits the Cancel button, in which case 0.0 is returned.

Parameters:

message - The text message presented to the user

Returns:

The integer entered by the user. 0.0 is returned if the user cancels the input.

inputInteger

```
public static int inputInteger(java.lang.String message)
```

Presents user with an input dialog box, allowing her/him to enter an integer. If the user enters an illegal value, the user is told about this and presented with the original dialog box asking for input. This continues until the user enters a valid integer or hits the Cancel button, in which case 0 is returned.

Parameters:

message - The text message presented to the user

Returns:

The integer entered by the user. 0 is returned if the user cancels the input.

inputString

```
public static java.lang.String inputString(java.lang.String message)
```

Presents user with an input dialog box, allowing her/him to enter a String.

Parameters:

message - The text message presented to the user

Returns:

The String entered by the user, or null if user cancels the input

pickAColor

```
public static java.awt.Color pickAColor()
```

Display a dialog box letting the user choose a color.

Returns:

The color selected by the user. If the user cancelled, black is returned.

pickAFile

```
public static java.lang.String pickAFile(int openType)
```

Display a dialog box allowing the user to select a file for opening or saving.

Parameters:

`openType` - Indicates whether an existing file is being opened (`MyroGUI.FILE_OPEN`) or a file is being saved (`MyroGUI.FILE_SAVE`).

Returns:

The name of the selected file including the complete path. If the user cancelled the open or an error occurred, the return value is the empty String.

Precondition:

`openType` must be `MyroGUI.FILE_OPEN` (or 0) or `MyroGUI.FILE_SAVE` (or 1)

tellUser

```
public static void tellUser(java.lang.String message)
```

Presents the user with an information modal dialog box with only an OK response.

Parameters:

`message` - The text message presented to the user

tellUser

```
public static void tellUser(java.lang.String message,  
                             java.lang.String option1)
```

Presents the user with an information modal dialog box with only 1 response.

Parameters:

`message` - The text message presented to the user

`option1` - The text of the single button presented to the user