Welcome to the docs



Table of contents

Welcome to the documentation of the ConsoleAppVisuals library. This is a simple and easy-to-use library that allows you to create visual elements in the console. Here are all the resources available:

- <u>Introduction</u>: find the basic concepts and the first steps into the library to learn how to use it.
- <u>Elements</u>: find all the visual elements available in the library with their description.
- <u>References</u>: find all methods, properties and classes with their description and all arguments available.
- Examples: find some examples to learn how to use the library in concrete use cases.
- Articles: find some additional library-related articles.
- <u>Legacy</u>: find the outdated documentation of the library for the versions 2.x.x and below.

Roadmap

The library is still in active development. The next feature and bug resolutions are listed in the Project section of the GitHub repository.

Supported .NET versions

Version	Supported
net9.x♂	
net8.x	
net7.x	
net6.x	
< net6.x	×

Security Policy

Consider reading our <u>SECURITY</u> policy to know more about how we handle security issues and how to report them. You will also find the stable versions of the project.

Acknowledgments

Consider reading the <u>ACKNOWLEDGMENTS</u> file. It's a testament to the collaborative effort that has gone into improving and refining our library. We're deeply grateful to all our contributors for their invaluable input and the significant difference they've made to the project.

It also lists the open source projects that have been used to build this library until now.

Contributing

Contributions are what make the open source community such an amazing place to learn, inspire, and create. Any contributions you make are **greatly appreciated**. To do so, follow the steps described in the **CONTRIBUTING** file.

We are always open for feedback and discussions. If you are using our library and want to share your use case, or if you have any suggestions for improvement, please feel free to open an issue or open a discussion on our GitHub repository. Your input helps us understand possible use cases and make necessary improvements.

Do not hesitate to **star** and **share** the project if you like it!

Basic concepts

This section is made for you to understand what is **ConsoleAppVisuals**, its purpose and use flow. We will also guide you into the creation of your first project until the advanced use of the library with data visualization and menus management.

What is ConsoleAppVisuals?

The ambition of ConsoleAppVisuals is to provide the best compromise between an **easy-to-use library** and a **complex tool** to create console applications with visual elements. The library is designed to be simple to use and to provide a wide range of visual elements to make your console application more stylish and useful.

Working principle

It is relies on the concept of "visuals" which are elements that can be displayed in the console. There are two types of visuals:

- **Passive visuals**: elements that do not provide any interaction, you may display several from the same type at the same time
- **Interactive visuals**: elements that provide an explicit interaction and create a response that can be collected, you may display only one at a time
- Animated visuals: in-between passive and interactive visuals, they provide an
 interaction to stop them but do not require a response, you may display only one at a
 time.

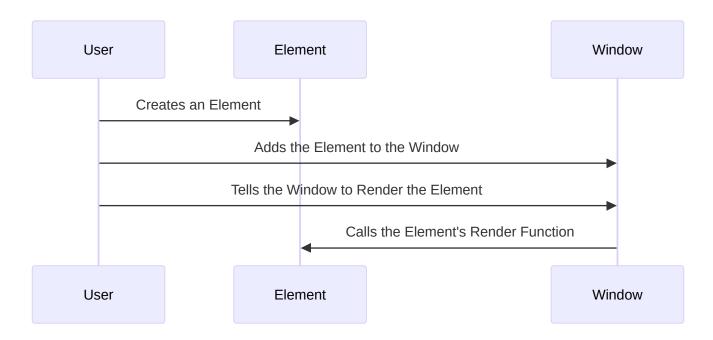
These visuals are stored in Window as a list. From this class, you can display, add, remove, or update the visuals. Each one of the visual element has its rendering method that will be called from the Window class.

The basics of the interaction between the library and the console are defined in the core class.



Use flow

When you want to create an element and display it, here is the basic visualization of the use flow of the library:



In C# terms, the use flow can be interpreted like this:

1. Creating an element:

```
Title exampleTitle = new Title("Hello world!");
```

2. Adding it to the Window:

```
Window.AddElement(exampleTitle);
```

3. Rendering the element:

```
Window.Render(exampleTitle);
```

First steps

Now that you have the basic concepts, let's dive into this guided path to learn how to use the library:

- 1. Create a simple console application
- 2. Explore element options
- 3. Discover data visualization
- 4. Manage multiple menus

Have a question, give a feedback or found a bug? Feel free to <u>open an issue</u> or <u>start a</u> <u>discussion</u> on the GitHub repository.

First app

This tutorial will show you how to create a simple console application using the ConsoleAppVisuals package. You will learn:

- How to add elements
- Discover: Title, Header, Footer, FakeLoadingBar, Prompt and finally Dialog elements
- How to get the response from the user
- How to exit the application

Setup

First, let's create a dummy project to work with. Please choose your method according to your preference:

.NET CLI Visual Studio Open your terminal and navigate to the folder where you want to create your project. Run the following command: dotnet new console --output MyApp --use-program-main If your file structure is like this: Example_project <-- root</pre> ——МуАрр ├---obj —MyApp.csproj --Program.cs Jump into the MyApp folder: cd MyApp Finally, run the following command to install the library: dotnet add package ConsoleAppVisuals

(i) TIP

Consider running the same command to update the package to the latest version, stay tuned!

Open the Program.cs file and ensure that the content is the following:

```
namespace MyApp
{
    internal class Program
    {
       static void Main(string[] args)
       {
          Console.WriteLine("Hello World!");
       }
    }
}
```

.NET CLI

Visual Studio

Let's try to run the app by typing the following command in your terminal:

dotnet run

Building the app

! WARNING

Add these using statements at the top of your Program.cs file to use the ConsoleAppVisuals package and its elements:

```
using ConsoleAppVisuals;
using ConsoleAppVisuals.PassiveElements;
using ConsoleAppVisuals.InteractiveElements;
using ConsoleAppVisuals.AnimatedElements;
```

Sometimes, you will need to add more statements. All available namespaces are available in the references section.

Let's start by removing Console.WriteLine("Hello World!"); instruction and adding the following line to your Main method to set up the console (clear and set the cursor invisible):

```
Window.Open();
```

Now, let's create a minimal app with a Title, a Header, a Footer, a FakeLoadingBar and finally a Prompt element.

Title

Now we can use all the elements from the package. Our first *passive* element will be a Title. Learn more

```
Title title = new Title("My first app");
```

Then we can add it to the Window:

```
Window.AddElement(title);
```

And finally, we can render the Title from the Window:

```
Window.Render(title);
```





You may update the style of the Title element like the one below by giving a look at this article: create and use fonts.

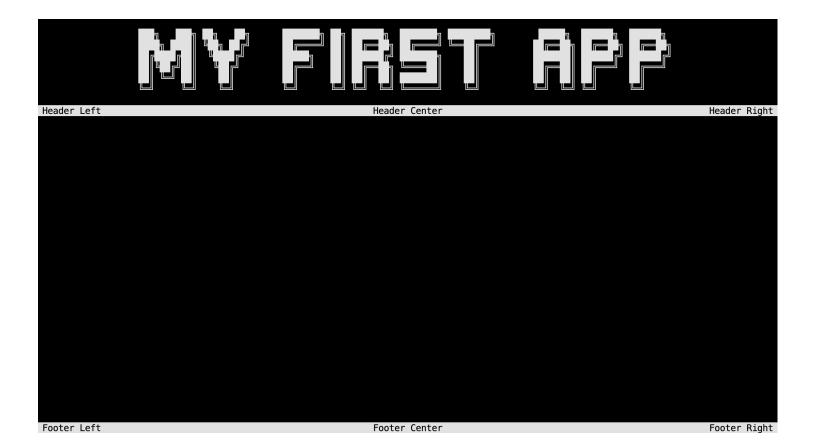


Header, Footer

Add the Header and Footer passive elements to the Window:

```
Header header = new Header();
Footer footer = new Footer();
Window.AddElement(header, footer);
Window.Render();
```

Instead of rendering each element separately, we rendered the Title, Header and Footer elements at once using the Window.Render() method. So you may remove the Window.Render(title) instruction.



FakeLoadingBar

Now let's add a FakeLoadingBar *animated* element to your previous code and run it. <u>Learn</u> more

```
FakeLoadingBar loadingBar = new FakeLoadingBar();
Window.AddElement(loadingBar);
Window.Render(loadingBar);
```

(!) WARNING

As you may have noticed, we have the same output as earlier. No loading bar was rendered on the console. **Passive elements** are **activated by default** when added to the window. On the contrary, **interactive and animated elements** need to be **activated manually**.

To do so, replace the Window.Render(loadingBar) instruction with the following:

Window.ActivateElement(loadingBar);



(i) TIP

The method Window.ActivateElement() will activate the element and render it on the console. Do not forget to write Window.Render() before to render the other passive elements like Title, Header or Footer for example.

Prompt

Now let's add a Prompt interactive element to your previous code and run it. Learn more ☑

```
Prompt prompt = new Prompt("What's your name?");
Window.AddElement(prompt);
Window.ActivateElement(prompt);
```



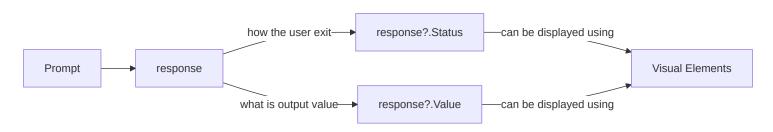
Get response and Dialog element

A Prompt element will give you different interaction information. To get these information, let's add the following line of code after the Window.ActivateElement(prompt) line. <u>Learn</u> more about var

```
var response = prompt.GetResponse();
```

The previous line will retrieve a response object that has the following properties:

- Status: is how the interaction ended. It can be Selected (pressed enter), Deleted (pressed delete) or Escaped (pressed escape). It is accessible using: response?. Status.
- Value: is the user's response data. Its type depends on the InteractiveElement you are using. In this case, the Prompt element returns a string. It is accessible using: response?. Value.



(i) NOTE

Here we use the ?. operator to avoid a NullReferenceException if the response is null. Meaning:

- If response is null, response?. Status will return null.
- If response is not null, response?. Status will return response. Status.

If you are certain that response is not null, you can use response! .Status directly. This will indicate to the compiler that response cannot be null in your configuration.

Finally, let's add a Dialog interactive element to display the user's response on the console. The Dialog is interactive too and will give you a response. You may catch it if needed (as you may create an element with 0, 1 or 2 options, it will give you the selected option). Learn more

```
Dialog text = new Dialog(
    new List<string>()
    {
        "You just wrote " + response!.Value + "!",
        "And you " + response!.Status + "!"
    },
    null,
    "OK"
    );
Window.AddElement(text);
Window.ActivateElement(text);
```



Exit the application

Finally, let's exit smoothly the application:

Window.Close();



Conclusion

And that's it! You have created your first app using the ConsoleAppVisuals package. You can now run the app and see the result.

Here is the full code:

```
Window.Open();
Title title = new Title("My first app");
Window.AddElement(title);

Header header = new Header();
Footer footer = new Footer();
Window.AddElement(header, footer);

Window.Render();

FakeLoadingBar loadingBar = new FakeLoadingBar();
Window.AddElement(loadingBar);
Window.ActivateElement(loadingBar);

Prompt prompt = new Prompt("What's your name?");
Window.AddElement(prompt);
Window.ActivateElement(prompt);
```

```
var response = prompt.GetResponse();

Dialog text = new Dialog(
    new List<string>()
    {
        "You just wrote " + response!.Value + "!",
        "And you " + response!.Status + "!"
    },
    null,
    "OK"
    );
Window.AddElement(text);
Window.ActivateElement(text);
```

Have a question, give a feedback or found a bug? Feel free to <u>open an issue</u> or <u>start a</u> <u>discussion</u> on the GitHub repository.

Elements options

In this section, you will learn:

- How to deactivate/ remove elements
- How to use the ElementsDashboard inspector element
- How to use the HeightSpacer element
- Discover Placement, TextAlignment and BordersType enumerations
- How to use the full potential of the element options

Setup



(!) WARNING

We will add using ConsoleAppVisuals. Enums; to the using statements to use the Placement and TextAlignment enumerations.

And your cleaned Program.cs file should look like this:

```
using ConsoleAppVisuals;
using ConsoleAppVisuals.PassiveElements;
using ConsoleAppVisuals.InteractiveElements;
using ConsoleAppVisuals.Enums;
namespace MyApp
{
    internal class Program
    {
        static void Main(string[] args)
            Window.Open();
    }
}
```

Disabling elements

We tackled adding elements to the window. Now, let's see how to do the opposite.

To disable element rendering, you have two options:

Deactivate the element

Remove the element

Deactivating

Deactivating an element can be useful for it to be used later. To do so, let's create a Title element and deactivate it. Nothing will be rendered on the screen.

```
Window.Open();
Title title = new Title("Elements options");
Window.AddElement(title);
Window.DeactivateElement(title);
Window.Render();
Window.Close();
```

Let's see how to perceive the effect of deactivating an element. Update your code to add a ElementsDashboard passive element and deactivate the title. The dashboard will be rendered, but not the title:

(i) NOTE

The method window.Freeze() is used to stop the execution by waiting the user to press a key (Enter by default) to see the window content without exiting the application when the window only contains passive elements.

```
Window.Open();
Title title = new Title("Elements options");
Window.AddElement(title);
ElementsDashboard dashboard = new ElementsDashboard();
Window.AddElement(dashboard);
Window.Render();
Window.Freeze();
Window.DeactivateElement(title);
```

```
Window.Freeze();
Window.Close();
```



As you noticed, the title is not rendered on the screen because its Visibility property has been set to false.

Removing

Removing an element is useful when you don't want to use it anymore. To do so, let's create a Title element and remove it. Nothing will be rendered on the screen.

```
Window.Open();
Title title = new Title("Disabling");
Window.AddElement(title);
Window.RemoveElement(title);
Window.Render();
Window.Close();
```

Let's see how to perceive the effect of removing an element. Update your code to the following:

```
Window.Open();
Title title = new Title("Disabling");
Window.AddElement(title);
ElementsDashboard dashboard = new ElementsDashboard();
Window.AddElement(dashboard);
Window.Render();
Window.Freeze();
Window.RemoveElement(title);
Window.Render();
Window.Render();
Window.Freeze();
```



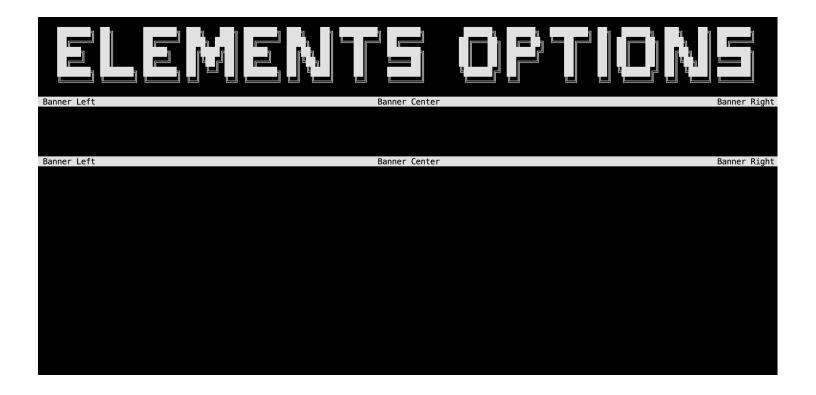
Setting a height spacer between elements

Sometimes, you may want to add a space between elements. To do so, you can use the HeightSpacer element. It is a *passive* element that will only render a space of a specific height between elements.

Here is a concrete example between two banners:

```
Window.Open();
Title title = new Title("Elements options");
Window.AddElement(title);

Banner banner1 = new Banner();
HeightSpacer spacer = new HeightSpacer(5);
Banner banner2 = new Banner();
Window.AddElement(banner1, spacer, banner2);
Window.Render();
Window.Freeze();
```



(i) NOTE

You may update afterward the Placement and Height of the HeightSpacer element using the UpdatePlacement() and UpdateHeight() methods.

Access and update elements parameters

In all the tutorials and the <u>example project</u> the elements definitions are simplified and do not declare all the arguments available. To see all the arguments available for each element, you can consult the <u>references documentation</u>.

Most of them are specific with generic type (string, int, bool, List, ...) and are used to customize the element. But some of them are common to all elements and are used to place the element on the window. These are the Placement and TextAlignment enumerations.

Placement

The Placement enumeration is used to place elements at a convenient location on the window. It is used by every element from the library that can be placed on the window. According to the placement, the element position and line will be calculated and rendered.

The available values are:

• TopLeft: x(line) = 0, y(char) = 0



TopCenter: (Default) x(line) = 0, y(char) = windowWidth / 2



• TopRight: x(line) = 0, y(char) = windowWidth



• TopCenterFullWidth: x(line) = 0, y(char) = 0 (In fact, it is the same as TopLeft but we know that the element will be rendered with the full width of the window, following top elements will be placed below it)



• BottomCenterFullWidth: x(line) = windowHeight, y(char) = 0 (In preview for now as not fully implemented)



(i) NOTE

To choose the placement of an element, you can either set it from the constructor or use the UpdatePlacement() method after creating the element.

```
Prompt prompt = new Prompt("Enter your name:", "John", Placement.TopCenter);
// or
prompt.UpdatePlacement(Placement.TopCenter);
```

TextAlignment

The TextAlignment enumeration is used to align the text in a string. It is used by some elements from the library. Here are the available values:

• Left: Align the text to the left



• Center: (Default) Align the text to the center



• Right: Align the text to the right



(i) NOTE

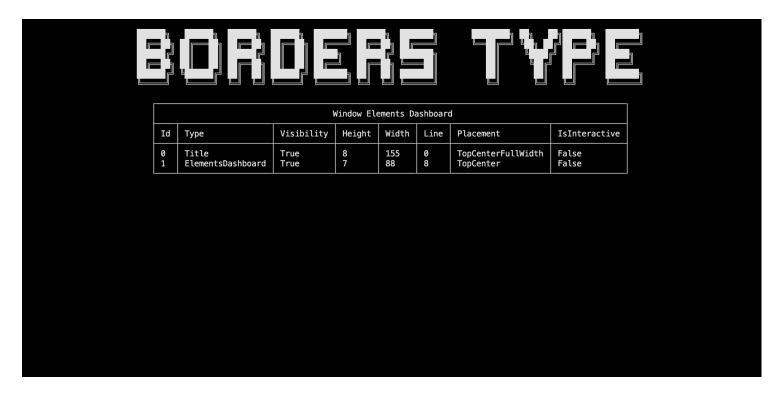
To choose the text alignment of an element, you can either set it from the constructor or use the <code>UpdateTextAlignment()</code> method after creating the element (some elements may not have this method if the text alignment is not used in it so refer to the references documentation to get that specific information).

```
Dialog dialog = new Dialog(new List<string>(){"Demo", "This is a message"},
null, "OK ▶", TextAlignment.Center);
// or
dialog.UpdateTextAlignment(TextAlignment.Center);
```

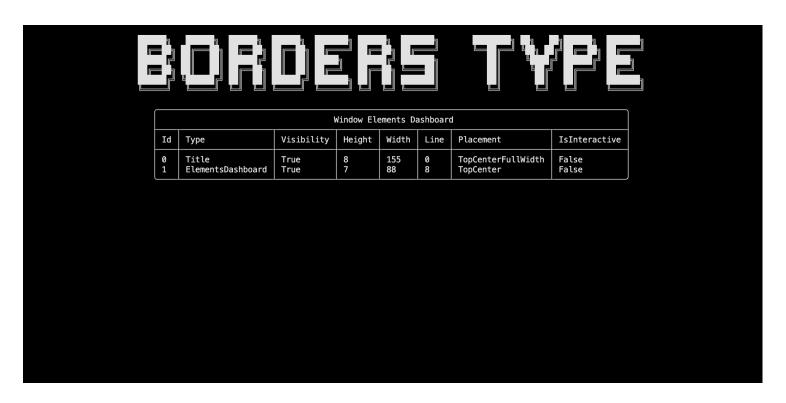
BordersType

The BordersType enumeration is used to set the borders of an element. It is used by the table and embed elements from the library. Here are the available values:

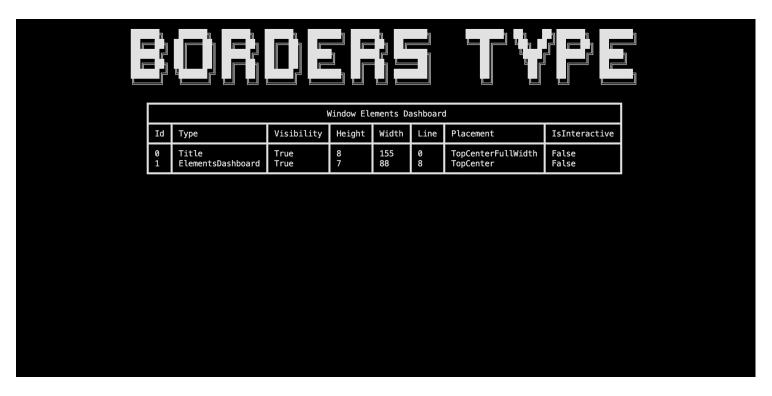
• SingleStraight: (Default) Single lines with straight corners



• SingleRound: Single lines with round corners



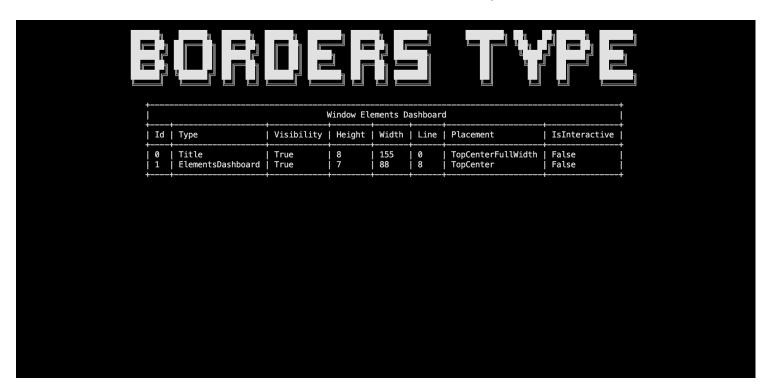
• SingleBold: Single bold lines with straight corners



• DoubleStraight: Double lines with straight corners

Window Elements Dashboard Id Type Visibility Height Width Line Placement IsInteractive 0 Title True 8 155 0 TopCenterFullWidth False 1 ElementsDashboard True 7 88 88 8 TopCenter

• ASCII: ASCII basic characters for the borders (+, -, | only)



! WARNING

The following types may not work on Visual Studio or Windows Command Prompt:

- SingleRound
- SingleBold

(i) NOTE

To choose the border type of an element, you can either set it from the constructor or use the <code>UpdateBordersType()</code> method after creating the element (some elements may not have this method if the border type is not used in it so refer to the references documentation to get that specific information).

```
ElementsDashboard dashboard = new ElementsDashboard(Placement.TopCenter,
BordersType.SingleStraight);
// or
dashboard.UpdateBordersType(BordersType.SingleStraight);
```

Conclusion

In this section, you learned how to deactivate and remove elements from the window. You also discovered the Placement and TextAlignment enumerations and how to use the full potential of the element options by knowing all the arguments available. You may now be able to use more complex elements and place them at your desired location.

Have a question, give a feedback or found a bug? Feel free to <u>open an issue</u> or <u>start a</u> <u>discussion</u> on the GitHub repository.

Data visualization

In this section, you will:

• Discover data visualization with TableView, TableSelector and Matrix elements



Each subsection is independent. I recommend you to overwrite the Program.cs file with the code of each section to avoid any confusion.

The TableView element

The TableView element is used to display data in a table format. It is useful when you want to display a list of items with multiple columns. <u>Learn more</u>

Let's create a Tableview element and add it to the window.

```
Window.Open();
List<string> studentsHeaders = new List<string>() { "id", "name", "major",
"grades" };
List<string> student1 = new List<string>() { "01", "Theo", "Technology", "97" };
List<string> student2 = new List<string>() { "02", "Paul", "Mathematics", "86" };
List<string> student3 = new List<string>() { "03", "Maxime", "Physics", "92" };
List<string> student4 = new List<string>() { "04", "Charles", "Computer Science",
"100" };
List<List<string>> studentsData =
    new List<List<string>>()
    {
        student1,
        student2,
        student3,
        student4
    };
TableView students =
    new TableView(
        "Students grades",
        studentsHeaders,
        studentsData
```

```
);
Window.AddElement(students);
Window.Render(students);
Window.Freeze();
Window.Close();
```

id name major grades 01 Theo Paul Mathematics Physics 92 Computer Science 100		Students grades			
01 Theo 02 Paul Mathematics 03 Maxime 04 Charles Computer Science 100	i	id	name	major	grades
		01 02 03 04	Theo Paul Maxime Charles	Technology Mathematics Physics Computer Science	97 86 92 100

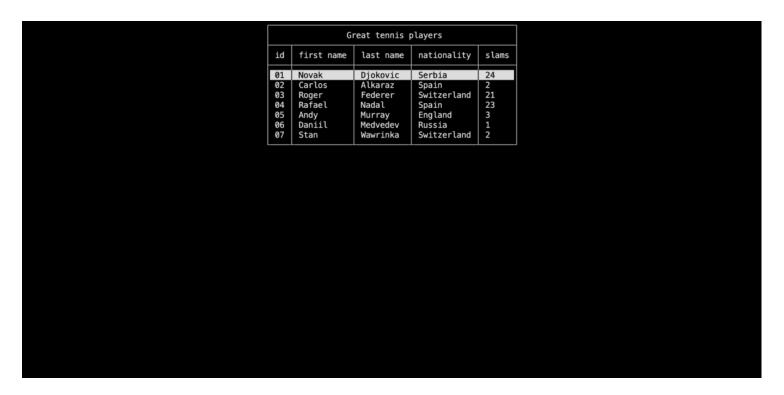
The TableSelector element

The TableSelector element is used to display data in a table format and allow the user to select a row. It is useful when you want to be able to interact with a table. You may use the Up and Down arrows or the z and s keys to move int the selector. Learn more

Here is an example of how to use it:

```
Window.Open();
List<string> playersHeaders = new List<string>() { "id", "first name", "last name",
"nationality", "slams" };
List<string> player1 = new List<string>() { "01", "Novak", "Djokovic", "Serbia",
"24" };
List<string> player2 = new List<string>() { "02", "Carlos", "Alkaraz", "Spain",
"2" };
List<string> player3 = new List<string>() { "03", "Roger", "Federer", "Switzerland",
"21" };
```

```
List<string> player4 = new List<string>() { "04", "Rafael", "Nadal", "Spain",
"23" };
List<string> player5 = new List<string>() { "05", "Andy", "Murray", "England",
"3" };
List<string> player6 = new List<string>() { "06", "Daniil", "Medvedev", "Russia",
"1" };
List<string> player7 = new List<string>() { "07", "Stan", "Wawrinka", "Switzerland",
"2" };
List<List<string>> playersData =
    new List<List<string>> ()
    {
        player1,
        player2,
        player3,
        player4,
        player5,
        player6,
        player7
    };
TableSelector players =
    new TableSelector(
        "Great tennis players",
         playersHeaders,
         playersData
    );
Window.AddElement(players);
// Contrary to the TableView, the TableSelector is interactive,
// so we do not have to stop the execution to see it, but to activate it
Window.ActivateElement(players);
```



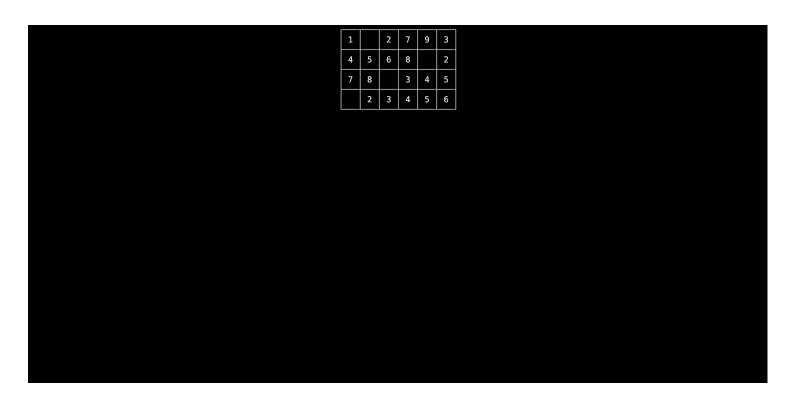
Now let's collect the user interaction response by adding the following code:



The Matrix element

The Matrix element is used to display data in a matrix format. Learn more

```
Window.Open();
List<int?> firstRow = new List<int?>() { 1, null, 2, 7, 9, 3 };
List<int?> secondRow = new List<int?>() { 4, 5, 6, 8, null, 2 };
List<int?> thirdRow = new List<int?>() { 7, 8, null, 3, 4, 5 };
List<int?> fourthRow = new List<int?>() { null, 2, 3, 4, 5, 6 };
List<List<int?>> data =
    new List<List<int?>>() {
    firstRow,
    secondRow,
    thirdRow,
    fourthRow
};
Matrix<int?> matrix = new Matrix<int?>(data);
Window.AddElement(matrix);
Window.Render(matrix);
Window.Freeze();
Window.Close();
```



Conclusion

In this tutorial, you learned how to use the TableView, TableSelector and Matrix elements. You are now ready to start the menus management tutorial.

Have a question, give a feedback or found a bug? Feel free to <u>open an issue</u> or <u>start a</u> <u>discussion</u> on the GitHub repository.

Menus management

In this section, you will learn:

- How to create a menu using the ScrollingMenu element
- Collect & manage their output



Each subsection is independent. I recommend you to overwrite the Program.cs file with the code of each section to avoid any confusion.

The ScrollingMenu element

The ScrollingMenu interactive element is an historic element of the library. Some features about it changed over time but the principle has remain the same for a year. It is used to display a list of items and allow the user to select one or several items. Learn more

Here is a minimal example of how to use it:

```
Window.Open();
string[] options = new string[] { "Option 0", "Option 1", "Option 2" };
ScrollingMenu menu = new ScrollingMenu(
    "Please choose an option among those below.",
    Placement.TopCenter,
    options
);
Window.AddElement(menu);
// the ScrollingMenu is an interactive element, so we need to activate it
Window.ActivateElement(menu);
// The ScrollingMenu will return an int as a value (represents the index of the
selected item)
var responseMenu = menu.GetResponse();
Dialog embedResponse = new Dialog(
    new List<string>()
        $"The user: {responseMenu!.Status}",
        $"Index: {responseMenu!.Value}",
        // We find the option selected by the user from the index
```

```
$"Which corresponds to: {options[responseMenu!.Value]}"
});

Window.AddElement(embedResponse);
Window.ActivateElement(embedResponse);
Window.Close();
```

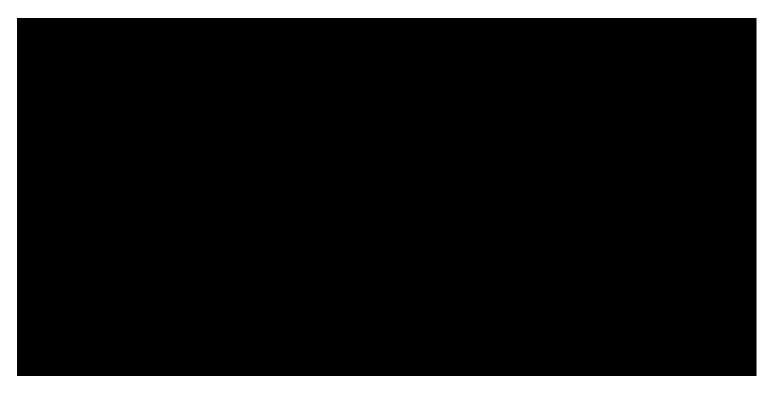
Manage menu status

The most practical way to manage actions according the the outcome of the ScrollingMenu is a switch-case statement. <u>Learn more</u>

Here is a basic example where we display a custom message according to the user's action (pressing Enter, Escape or Delete):

```
Window.Open();
string[] options = new string[] { "Option 0", "Option 1", "Option 2" };
ScrollingMenu menu = new ScrollingMenu(
    "Please choose an option among those below.",
    0,
    Placement.TopCenter,
    options
);
```

```
Window.AddElement(menu);
Window.ActivateElement(menu);
var response = menu.GetResponse();
switch (response!.Status)
{
    case Status.Selected:
        Dialog embedSelected = new Dialog(
            new List<string>()
            {
                "The user pressed the Enter key",
            }
        );
        Window.AddElement(embedSelected);
        Window.ActivateElement(embedSelected);
        Window.RemoveElement(embedSelected);
        break;
    case Status.Escaped:
        Dialog embedEscaped = new Dialog(
            new List<string>()
            {
                "The user pressed the Escape key",
            }
        );
        Window.AddElement(embedEscaped);
        Window.ActivateElement(embedEscaped);
        Window.RemoveElement(embedEscaped);
        break;
    case Status.Deleted:
        Dialog embedDeleted = new Dialog(
            new List<string>()
            {
                "The user pressed the Delete key",
            }
        );
        Window.AddElement(embedDeleted);
        Window.ActivateElement(embedDeleted);
        Window.RemoveElement(embedDeleted);
        break;
}
Window.Close();
```



Manage menu value

As we mentioned earlier, the <u>scrollingMenu</u> returns an <u>int</u> as a value. This value represents the index of the selected item. You may use it to act differently according to the selected item. Here we decide to act differently when the user selects an item and quit the app otherwise:

```
Window.Open();
string[] options = new string[] { "Play", "Settings", "Quit" };
ScrollingMenu menu = new ScrollingMenu(
    "Please choose an option among those below.",
    Θ,
    Placement.TopCenter,
    options
);
Window.AddElement(menu);
Window.ActivateElement(menu);
var response = menu.GetResponse();
switch (response!.Status)
{
    case Status.Selected:
        switch (response.Value)
        {
```

```
case 0:
                Dialog play = new Dialog(
                    new List<string>() { "Playing..." }
                );
                Window.AddElement(play);
                Window.ActivateElement(play);
                Window.RemoveElement(play);
                break;
            case 1:
                Dialog settings = new Dialog(
                    new List<string>() { "Consulting the settings..." }
                );
                Window.AddElement(settings);
                Window.ActivateElement(settings);
                Window.RemoveElement(settings);
                break;
            case 2:
                // Quit the app
                Window.Close();
                break;
        }
        break;
    case Status.Escaped:
    case Status.Deleted:
        // Quit the app anyway
        Window.Close();
        break;
}
Window.Close();
```



That way, you may act differently depending on the selected item and create useful menu without too much effort.

Conclusion

In this section, you learned how to create a menu using the ScrollingMenu element, collect and manage their output. Now let's jump to the final section!

Have a question, give a feedback or found a bug? Feel free to <u>open an issue</u> or <u>start a</u> <u>discussion</u> on the GitHub repository.

Next steps



Now, you can go further and explore the library by yourself. Here are the resources available:

- The <u>elements</u> and <u>references</u> sections where you can find all the features available in the library.
- The <u>examples</u>
 if section where you can find some concrete examples to help you understand how to use the library in real use cases.
- The <u>articles</u> section where you can find some additional articles (create your element, use fonts, create your documentation, etc.).

Stay tuned! The <u>release notes</u> of the latest version are updated regularly. Consider checking it to see if there are any new features or bug fixes to stay up to date. Updating instructions are available <u>here</u>.

If you have any questions, feel free to ask them in the <u>discussions</u> section or <u>open an</u> <u>issue</u> (templates are available to help you).

Finally, feel free to **share** around you and **star** the library on <u>GitHub</u> if you like the project!