DocOps.io AsciiDoctorJ Panels

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1. What are they?

AsciiDoctorJ Panels are a way of creating a panel that is clickable. Now you can create a set of panels that links to various contents, an alternative way of building links.

2. How to use?

AsciiDoctorJ Panels are built using a block processor. SO you will need to create blocks to visualize them. For the most part, the body of the panel is built using a Kotlin DSL.
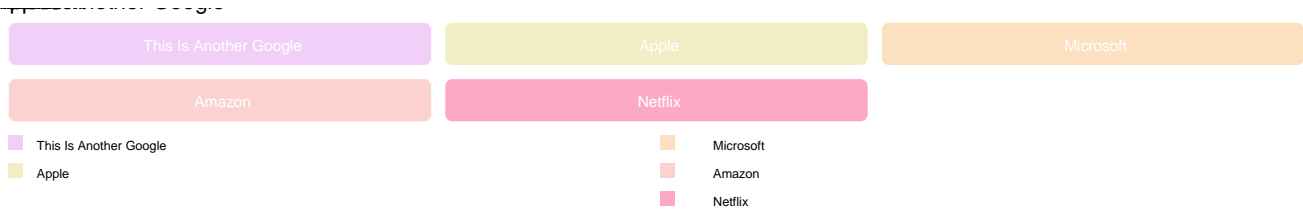
2.1. First Example

The first type of panels is just panels with a list of panel objects. See example below

```
1 panels {
2     panel{
3         link = "http://wwww.google.com"
4         label = "Google Search"
5     }
6 }
```

Given the above, we will build panels for Google, Apple, Microsoft,Amazon, Netflix

```
1 [panels,"buttons"]
2 ----
3 panels {
4     panel {
5         link = "https://www.google.com"
6         label = "Google"
7     }
8     panel {
9         link = "https://www.apple.com"
10        label = "Apple"
11    }
12    panel {
13        link = "https://www.microsoft.com"
14        label = "Microsoft"
15    }
16    panel {
17        link = "https://www.amazon.com"
18        label = "Amazon"
19    }
20    panel {
21        link = "https://www.netflix.com"
22        label = "Netflix"
23    }
24 }
```

This Is Another Google

| This Is Another Google | Apple | Microsoft |
| Amazon | Netflix | |

■ This Is Another Google   ■ Microsoft
■ Apple   ■ Amazon
          ■ Netflix

The syntax is pretty small to make a panel of buttons.
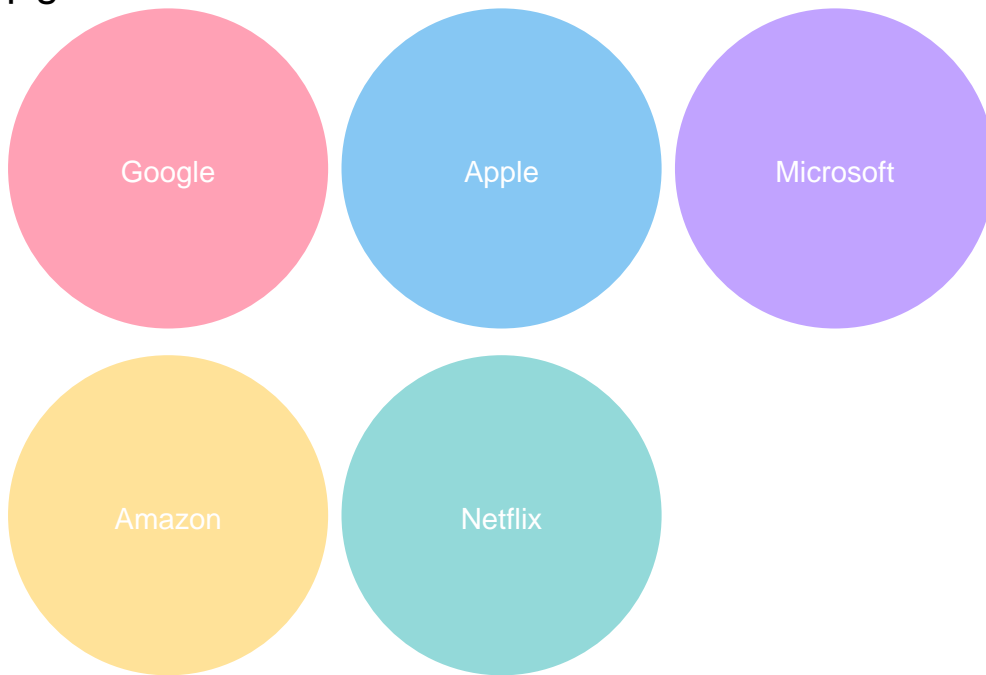
3. Round Buttons

Similar to the buttons we have a round object we can use.

```
[panels,buttons2]
----
panels{
    theme {
        colorMap{
            color("#ff6385")
            color("#36a3eb")
            color("#9966ff")
            color("#ffcf56")
            color("#4bc0c0")
            color("#FDCBF1")
        }
    }
    round {
        link = "https://www.google.com"
        label = "Google"
    }
    round {
        link = "https://www.apple.com"
        label = "Apple"
    }
    round {
        link = "https://www.microsoft.com"
        label = "Microsoft"
    }
    round {
        link = "https://www.amazon.com"
        label = "Amazon"
    }
    round {
        link = "https://www.netflix.com"
        label = "Netflix"
    }
```

```
}
----
```


	Google
	Apple

	Microsoft
	Amazon
	Netflix

4. Theming

TIP New Attributes added, dropShadow & font

Table 1. Theme Guide

Item	Attribute	Value
layout	columns	*optional*, default: 3, max recommended 6
	groupBy	default Grouping.TITLE, others → .Grouping.TYPE, Grouping.AUTHOR, Grouping.DATE
	groupOrder	*optional* default Grouping.ASCENDING, others → Grouping.DESCENDING

Item	Attribute	Value
| | | ```
theme {
    layout {
        columns = 4
        groupBy = Grouping.TITLE
        groupOrder = GroupingOrder.ASCENDING
    }
}
``` |
| colorMap | color | *optional* |
| | | ```
colorMap{
    color("#ff6385")
    color("#36a3eb")
    color("#9966ff")
    color("#ffcf56")
    color("#4bc0c0")
    color("#FDCBF1")
}
``` |
legendOn	legend	boolean, *default true*
newWin		boolean, *default true*
dropShadow		number 0..9, *default 1*
| font | | set of font to use<br><br>```
font = font {
    color = "#000000"
    font = "Arial, Helvetica, sans-serif"
    size = "9pt"
    decoration = "underline"
}
``` |

4.1. Themed Example

Same Panel as above but with sorting ascending and different colors.

```
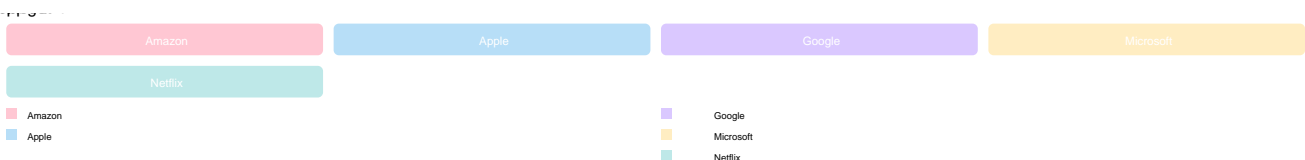1 [panels,"round2"]
2 ----
3 panels {
4     theme {
5         layout {
6             columns = 4
7             groupBy = Grouping.TITLE
8             groupOrder = GroupingOrder.ASCENDING
9         }
```

```
10        font = font {
11            color = "#ffffff"
12        }
13        dropShadow = 2
14        colorMap{
15            color("#ff6385")
16            color("#36a3eb")
17            color("#9966ff")
18            color("#ffcf56")
19            color("#4bc0c0")
20            color("#FDCBF1")
21        }
22        newWin = false
23    }
24    panel {
25        link = "https://www.google.com"
26        label = "Google"
27    }
28    panel {
29        link = "https://www.apple.com"
30        label = "Apple"
31    }
32    panel {
33        link = "https://www.microsoft.com"
34        label = "Microsoft"
35    }
36    panel {
37        link = "https://www.amazon.com"
38        label = "Amazon"
39    }
40    panel {
41        link = "https://www.netflix.com"
42        label = "Netflix"
43    }
44 }
45 ----
```

| Amazon | Apple | Google | Microsoft |
| Netflix | | | |

■ Amazon   ■ Google
■ Apple   ■ Microsoft
                  ■ Netflix

5. Small Panels

More informational panels can be created with small cards

```
1 panels {
2    theme {
```

```
 3          layout {
 4              columns=4
 5              groupOrder = GroupingOrder.ASCENDING
 6          }
 7          font = font {
 8              color = "#000000"
 9          }
10          colorMap{
11              color("#ebb3d1")
12          }
13          legendOn = false
14          gradientStyle = DarkTheme
15      }
16      slim {
17          link = "https://www.google.com"
18          label = "Google"
19          type = "Advertising"
20          description = "Google is is an American multinational technology company
   that specializes in Internet-related services and products "
21          author("Sergey Brin")
22          author("Larry Page")
23          date ="07/30/1998"
24      }
25      slim {
26          link = "https://www.apple.com"
27          label = "Apple"
28          type = "Personal Devices"
29          description = "Apple Inc. is an American multinational technology company
   that specializes in consumer electronics, computer software and online services. "
30          author("Steve Jobs")
31          author("Steve Wozniak")
32          date ="01/30/1977"
33      }
34      slim {
35          link = "https://www.microsoft.com"
36          label = "Microsoft"
37          type = "Software"
38          description = "Microsoft Corporation is an American multinational
   technology corporation which produces computer software, consumer electronics,
   personal computers, and related services."
39          author("Bill Gates")
40      }
41      slim {
42          link = "https://www.amazon.com"
43          label = "Amazon"
44          type = "Super Store"
45          description = "Amazon.com, Inc. is an American multinational technology
   company which focuses on e-commerce, cloud computing, digital streaming, and
   artificial intelligence"
46          author("Jeff Bezos")
47      }
```

```
48    slim {
49        link = "https://www.netflix.com"
50        label = "Netflix"
51        type = "Movie Theater"
52        description = "Netflix, Inc. is an American subscription streaming service
   and production company."
53        author("Reed")
54        author("Marc")
55    }
56    slim {
57        link = "https://www.facebook.com"
58        label = "Facebook"
59        type = "Social Butterfly"
60        description = "Facebook is an American online social media and social
   networking service owned by Meta Platforms."
61        author("Mark Zukerberg")
62    }
63    slim {
64        link = "https://www.instagram.com"
65        label = "Instagram"
66        type = "Beach"
67        description = "Instagram is an American photo and video sharing social
   networking service. "
68        author("Kevin")
69        author("Mike")
70    }
71 }
```

Google	Apple	Microsoft	Amazon
Google is is an American multinational technology company that specializes in Internet-related services	Apple Inc. is an American multinational technology company that specializes in consumer electronics,	Microsoft Corporation is an American multinational technology corporation which produces computer	Amazon.com, Inc. is an American multinational technology company which focuses on e-commerce, cloud
Advertising	*Personal Devices*	*Software*	*Super Store*
Sergey Brin	Steve Jobs	Bill Gates	Jeff Bezos
Larry Page	Steve Wozniak		
07/30/1998	01/30/1977		

Netflix	Facebook	Instagram
Netflix, Inc. is an American subscription streaming service and production company.	Facebook is an American online social media and social networking service owned by Meta Platforms.	Instagram is an American photo and video sharing social networking service.
Movie Theater	*Social Butterfly*	*Beach*
Reed	Mark Zukerberg	Kevin
Marc		Mike

Table 2. Slim Cards Guide

Item	Attribute	Notes
slim	type	A way to categorize the card by in case you would like to group or sort by, see the Theme table for sorting and grouping
	description	used as the hover over information describing the card
	author	list of "author" to the link provided
	date	date to display content attributed to link

6. Large Panels

The alternative to Slim Panel is Large Panels where the description is now displayed on the card

```
 1 [panels,"large"]
 2 ----
 3 panels {
 4 theme {
 5         layout {
 6             columns = 3
 7         }
 8         font {
 9             color = "#000000"
10             bold = true
11         }
12         colorMap{
13             color("#ff6385")
14             color("#36a3eb")
15             color("#9966ff")
16             color("#ffcf56")
17             color("#4bc0c0")
18             color("#FDCBF1")
19             color("#A6C1EE")
20         }
21     }
22     large {
23         link = "https://www.google.com"
24         label = "Google"
25         type = "Search"
26         description = "Google is is an American multinational technology company
   that specializes in Internet-related services and products "
27         date ="07/30/1998"
28     }
29     large {
30         link = "https://www.apple.com"
31         label = "Apple"
32         type = "Personal Devices"
33         description = "Apple Inc. is an American multinational technology company
   that specializes in consumer electronics, computer software and online services. "
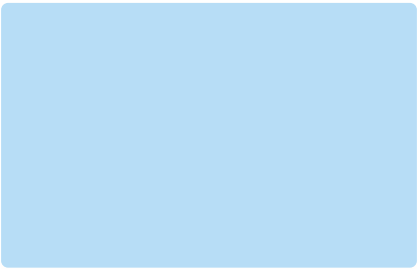```

```
34        date ="01/30/1977"
35    }
36    large {
37        link = "https://www.microsoft.com"
38        label = "Microsoft"
39        type = "Software"
40        description = "Microsoft Corporation is an American multinational
   technology corporation which produces computer software, consumer electronics,
   personal computers, and related services."
41    }
42    large {
43        link = "https://www.amazon.com"
44        label = "Amazon"
45        type = "Super Store"
46        description = "Amazon.com, Inc. is an American multinational technology
   company which focuses on e-commerce, cloud computing, digital streaming, and
   artificial intelligence"
47    }
48    large {
49        link = "https://www.netflix.com"
50        label = "Netflix"
51        type = "Movie Theater"
52        description = "Netflix, Inc. is an American subscription streaming service
   and production company."
53    }
54    large {
55        link = "https://www.facebook.com"
56        label = "Facebook"
57        type = "Social Butterfly"
58        description = "Facebook is an American online social media and social
   networking service owned by Meta Platforms."
59    }
60    large {
61        link = "https://www.instagram.com"
62        label = "Instagram"
63        type = "Beach"
64        description = "Instagram is an American photo and video sharing social
   networking service founded by Kevin Systrom and Mike Krieger. "
65    }
66 }
67 ----
```

Search

07/30/1998
Google is is an American multinational
technology company that specializes in
Internet-related services and products

Personal Devices

01/30/1977
Apple Inc. is an American multinational
technology company that specializes in
consumer electronics, computer software and
online services.

Software

Microsoft Corporation is an American
multinational technology corporation which
produces computer software, consumer
electronics, personal computers, and related
services.

Super Store

Amazon.com, Inc. is an American multinational
technology company which focuses on
e-commerce, cloud computing, digital
streaming, and artificial intelligence

Movie Theater

Netflix, Inc. is an American subscription
streaming service and production company.

Social Butterfly

Facebook is an American online social media and
social networking service owned by Meta
Platforms.

Beach

Instagram is an American photo and video sharing
social networking service founded by Kevin
Systrom and Mike Krieger.

■ Search
■ Personal Devices
■ Software

■ Super Store
■ Movie Theater
■ Social Butterfly

■ Beach

Table 3. Large Cards Guide

Item	Attribute	Notes
large	type	A way to categorize the card by in case you would like to group or sort by, see the Theme table for sorting and grouping
	description	more information on the content behind the link
	date	date to display content attributed to link

7. Generate Color Map Utility

```
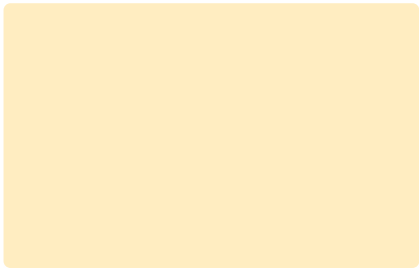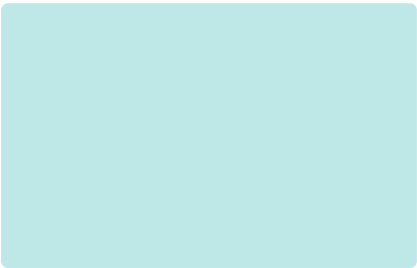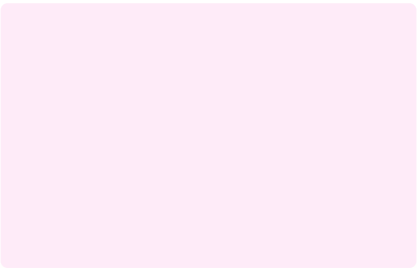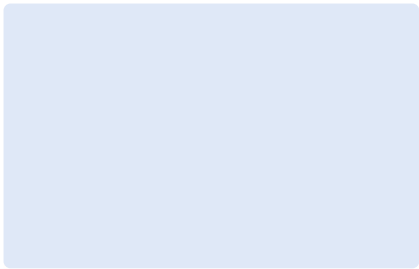<div class='exampleblock'>
    <div class='content'>
        <div class='literalblock'>
            <div class='content' id="colormap"></div>
        </div>
    </div>
</div>
<button name="Generate" value="Generate" onclick="genColors();">Create Color
Palette</button>
<input type="number" id="points" name="points" value="20" step="1">
<script>
function getColor(){
  return hslToHex(360 * Math.random(), (25 + 70 * Math.random()) , (75 + 10 *
Math.random()) );
}
function hslToHex(h, s, l) {
  l /= 100;
  const a = s * Math.min(l, 1 - l) / 100;
  const f = n => {
    const k = (n + h / 30) % 12;
    const color = l - a * Math.max(Math.min(k - 3, 9 - k, 1), -1);
    return Math.round(255 * color).toString(16).padStart(2, '0');   // convert to Hex and
prefix "0" if needed
  };
  return `#${f(0)}${f(8)}${f(4)}`;
}
function genColors() {
    let str = "colorMap {\n";
    let elem = document.getElementById("colormap");
    elem.innerHTML = '';
    var pts = document.getElementById("points");
    var count = pts.value;
    for( let i = count; i--;) {
      let item = document.createElement('div');
      var color = document.createElement('div');
      let clr = getColor();
      item.style.cssText = `
        display:inline-block;
        padding: 2em;
```

```
        margin:5px;
        border-radius:50%;
        background: ${clr};
    `

        item.innerText = clr;
        str +=  '       color(\"'+ clr + '\")\n';
        elem.appendChild(item);
    }
    str += "}"
    color.innerText = str
    var ppre = document.createElement("pre");
    var pcode = document.createElement("code");
    pcode.className = 'language-kotlin';
    ppre.appendChild(pcode);
    pcode.innerText = str;

    elem.appendChild(ppre);
}
</script>
```

- A simple Utility to generate a pastel themed the colormap for your convenience.

8. Badges/Shield

8.1. Syntax

```
[badge]
----
Badges|Are|https://www.google.com|RED|Blue|
Cool|Aren't They?|https://www.yahoo.com|BLUE|ORANGE|C
----
```

Table 4. Pipe Delimited Values

Label	Message	Url		Label Color	Message Color	Icon
Label for the Badge	Message For Badge	Optional Url		Color for label, e.g. Red	Color for message, e.g. #ffccb9	SimpleIcon name, eg C
		TIP	Still needs pipe character with empty url			