

# DocOps.io AsciiDoctorJ Panels

Steve D Roach

# Table of Contents

1. What are they? .....	1
2. How to use? .....	1
2.1. First Example .....	1
3. Round Buttons .....	6
4. Theming .....	10
4.1. Themed Example .....	11
5. Small Panels .....	16
6. Large Panels .....	23
7. Generate Color Map Utility .....	30
8. Badges/Shield .....	32
8.1. Syntax .....	32

# 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://www.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 }
```

```

<?xml version="1.0" standalone="no"?>
    <svg xmlns="http://www.w3.org/2000/svg" width="945" height="220"
        xmlns:xlink="http://www.w3.org/1999/xlink" viewBox="0 0 945 220"
        >
    <defs>
    <filter id="dropShadow" height="130%">
        <feGaussianBlur in="SourceAlpha" stdDeviation="1"/>
        <feOffset dx="5" dy="5" result="offsetblur"/>
        <feComponentTransfer>
            <feFuncA type="linear" slope="0.1"/>
        </feComponentTransfer>
        <feMerge>
            <feMergeNode/>
            <feMergeNode in="SourceGraphic"/>
        </feMerge>
    </filter>
    <filter id="filter">
        <feMorphology in="SourceAlpha" operator="dilate" radius="2" result="OUTLINE"/>
        <feComposite operator="out" in="OUTLINE" in2="SourceAlpha"/>
    </filter>
    <linearGradient id="linear-gradient-0" gradientUnits="userSpaceOnUse" x1="162.375"
y1="40.053" x2="162.375" y2="9.99">
        <stop offset="0" stop-color="#ff857a" stop-opacity="1"/>
        <stop offset="1" stop-color="#f0a2b7" stop-opacity="1"/>
    </linearGradient>
    <linearGradient id="linear-gradient-1" gradientUnits="userSpaceOnUse" x1="471.482"
y1="39.988" x2="471.482" y2="9.983">
        <stop offset="0" stop-color="#ffa801" stop-opacity="1"/>
        <stop offset="1" stop-color="#ffcc01" stop-opacity="1"/>
    </linearGradient>
    <linearGradient id="linear-gradient-2" gradientUnits="userSpaceOnUse" x1="781.482"
y1="39.988" x2="781.482" y2="9.983">
        <stop offset="0" stop-color="#cb43f6" stop-opacity="1"/>
        <stop offset="1" stop-color="#ec4cbd" stop-opacity="1"/>
    </linearGradient>
    <linearGradient id="linear-gradient-3" gradientUnits="userSpaceOnUse" x1="162.375"
y1="80.053" x2="162.375" y2="49.99">
        <stop offset="0" stop-color="#ff857a" stop-opacity="1"/>
        <stop offset="1" stop-color="#f0a2b7" stop-opacity="1"/>
    </linearGradient>
    <linearGradient id="linear-gradient-4" gradientUnits="userSpaceOnUse" x1="471.482"
y1="79.988" x2="471.482"
        y2="49.983">
        <stop offset="0" stop-color="#ffa801" stop-opacity="1"/>
        <stop offset="1" stop-color="#ffcc01" stop-opacity="1"/>
    </linearGradient>
    <linearGradient id="linear-gradient-5" gradientUnits="userSpaceOnUse" x1="781.482"
y1="79.988" x2="781.482" y2="49.983">

```

```

        <stop offset="0" stop-color="#cb43f6" stop-opacity="1"/>
        <stop offset="1" stop-color="#ec4cbd" stop-opacity="1"/>
    </linearGradient>
    <circle id="myCircle" cx="0" cy="0" r="60" class="card"/>
    <rect id="legendRect" x="0" y="0" width="10" height="10" class="legend"/>
    <rect id="mySlimRect" x="0" y="0" width="150" height="150" rx="5" ry="5"
class="card"/>
    <rect id="myLargeRect" fill="#fffefa" x="0" y="0" width="300" height="400" rx="5"
ry="5" class="card" filter="url(#dropShadow)">
        <title class="description"/>
    </rect>
    <rect id="myLargerHeroRect" x="0" y="0" width="300" height="191" rx="5" ry="5"
class="card"/>
    <rect id="myPanel" x="0" y="0" width="300" height="30" rx="5" ry="5"
class="card"/>

```

```

    </defs>
    <style>
rect.card {
    filter: drop-shadow(3px 5px 2px rgb(0 0 0 / 0.1));
    pointer-events: bounding-box;
    opacity: 1;
}
rect.card:hover {
    opacity: 0.6;
}
use.card {
    filter: drop-shadow(3px 5px 2px rgb(0 0 0 / 0.1));
    pointer-events: bounding-box;
    opacity: 1;
}
use.card:hover {
    opacity: 0.6;
}
.card {
    pointer-events: bounding-box;
    opacity: 1;
}
.card:hover {
    opacity: 0.6;
}
.subtitle {
    font-family: Helvetica, Arial, sans-serif;
    font-weight: normal;
    font-size: 10px;
}
rect.legend {
    pointer-events: bounding-box;
    opacity: 1;
}

```

```

rect.legend:hover {
    opacity: 0.6;
}
.label {
    font-family: Helvetica, Arial, sans-serif;
}
.title {
    fill: white;
    font-family: Helvetica, Arial, sans-serif;
    font-weight: normal;
    font-style: normal;
    font-size: 9pt;
}
.legendText {
    font-size: 9pt;
    font-family: Helvetica, Arial, sans-serif;
}
.btnclass1 {font-family:Arial, Helvetica, sans-serif;font-size:11px;fill:#FFFFFF;letter-
spacing:normal;}
</style><g><use x="10" y="10" class="card" fill="#DA79EC" xlink:href="#myPanel">
    <title class="description"></title>
</use>
<text class="category" visibility="hidden">This Is Another Google</text>
<text class="author" visibility="hidden">null</text>
<text class="date" visibility="hidden"></text><text x="162" y="30" class="title btnclass1"
text-anchor="middle">This Is Another Google</text><use x="320" y="10" class="card"
fill="#DECD5E" xlink:href="#myPanel">
    <title class="description"></title>
</use>
<text class="category" visibility="hidden">Apple</text>
<text class="author" visibility="hidden">null</text>
<text class="date" visibility="hidden"></text><text x="472" y="30" class="title btnclass1"
text-anchor="middle">Apple</text><use x="630" y="10" class="card" fill="#F6AB4C"
xlink:href="#myPanel">
    <title class="description"></title>
</use>
<text class="category" visibility="hidden">Microsoft</text>
<text class="author" visibility="hidden">null</text>
<text class="date" visibility="hidden"></text><text x="782" y="30" class="title btnclass1"
text-anchor="middle">Microsoft</text></g><g><use x="10" y="50" class="card" fill="#F8827D"
xlink:href="#myPanel">
    <title class="description"></title>
</use>
<text class="category" visibility="hidden">Amazon</text>
<text class="author" visibility="hidden">null</text>
<text class="date" visibility="hidden"></text><text x="162" y="70" class="title btnclass1"
text-anchor="middle">Amazon</text><use x="320" y="50" class="card" fill="#FB0F5F"
xlink:href="#myPanel">
    <title class="description"></title>
</use>
<text class="category" visibility="hidden">Netflix</text>

```

```

<text class="author" visibility="hidden">null</text>
<text class="date" visibility="hidden"></text><text x="472" y="70" class="title btnclass1"
text-anchor="middle">Netflix</text></g><svg><use x="10" y="90" style="fill:#DA79EC"
class="card" xlink:href="#legendRect"/>
<text x="30" y="100" class="legendText">This Is Another Google</text><use x="10" y="110"
style="fill:#DECD5E" class="card" xlink:href="#legendRect"/>
<text x="30" y="120" class="legendText">Apple</text><use x="50%" y="90"
style="fill:#F6AB4C" class="card" xlink:href="#legendRect"/>
<text x="54%" y="100" class="legendText">Microsoft</text><use x="50%" y="110"
style="fill:#F8827D" class="card" xlink:href="#legendRect"/>
<text x="54%" y="120" class="legendText">Amazon</text><use x="50%" y="130"
style="fill:#FB0F5F" class="card" xlink:href="#legendRect"/>
<text x="54%" y="140" class="legendText">Netflix</text></svg></svg>

```

Table 1. buttons\_pdf

	Label	Link
[pancolor?color=%23DA79EC&label=This+Is+Another+Google&fname=abc]   <em>http://localhost:8010/extension/api/panel/pancolor?color=%23DA79EC&label=This+Is+Another+Google&fname=abc.svg</em>	This Is Another Google	<a href="#">This Is Another Google</a>
[pancolor?color=%23DECD5E&label=Apple&fname=abc]   <em>http://localhost:8010/extension/api/panel/pancolor?color=%23DECD5E&label=Apple&fname=abc.svg</em>	Apple	<a href="#">Apple</a>
[pancolor?color=%23F6AB4C&label=Microsoft&fname=abc]   <em>http://localhost:8010/extension/api/panel/pancolor?color=%23F6AB4C&label=Microsoft&fname=abc.svg</em>	Microsoft	<a href="#">Microsoft</a>
[pancolor?color=%23F8827D&label=Amazon&fname=abc]   <em>http://localhost:8010/extension/api/panel/pancolor?color=%23F8827D&label=Amazon&fname=abc.svg</em>	Amazon	<a href="#">Amazon</a>

	Label	Link
[pancolor?color=%23FB0F5F&label=Netflix&fname=abc]   <em>http://localhost:8010/extension/api/panel/pancolor?color=%23FB0F5F&label=Netflix&fname=abc.svg</em>	Netflix	<a href="#">Netflix</a>

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"
  }
}
```



----

```
<?xml version="1.0" standalone="no"?>
  <svg xmlns="http://www.w3.org/2000/svg" width="450" height="450"
    xmlns:xlink="http://www.w3.org/1999/xlink" viewBox="0 0 450 450"
    >
    <defs>
      <filter id="dropShadow" height="130%">
        <feGaussianBlur in="SourceAlpha" stdDeviation="1"/>
        <feOffset dx="5" dy="5" result="offsetblur"/>
        <feComponentTransfer>
          <feFuncA type="linear" slope="0.1"/>
        </feComponentTransfer>
        <feMerge>
          <feMergeNode/>
          <feMergeNode in="SourceGraphic"/>
        </feMerge>
      </filter>
      <filter id="filter">
        <feMorphology in="SourceAlpha" operator="dilate" radius="2" result="OUTLINE"/>
        <feComposite operator="out" in="OUTLINE" in2="SourceAlpha"/>
      </filter>
      <linearGradient id="linear-gradient-0" gradientUnits="userSpaceOnUse" x1="162.375"
y1="40.053" x2="162.375" y2="9.99">
        <stop offset="0" stop-color="#ff857a" stop-opacity="1"/>
        <stop offset="1" stop-color="#f0a2b7" stop-opacity="1"/>
      </linearGradient>
      <linearGradient id="linear-gradient-1" gradientUnits="userSpaceOnUse" x1="471.482"
y1="39.988" x2="471.482" y2="9.983">
        <stop offset="0" stop-color="#ffa801" stop-opacity="1"/>
        <stop offset="1" stop-color="#ffcc01" stop-opacity="1"/>
      </linearGradient>
      <linearGradient id="linear-gradient-2" gradientUnits="userSpaceOnUse" x1="781.482"
y1="39.988" x2="781.482" y2="9.983">
        <stop offset="0" stop-color="#cb43f6" stop-opacity="1"/>
        <stop offset="1" stop-color="#ec4cbd" stop-opacity="1"/>
      </linearGradient>
      <linearGradient id="linear-gradient-3" gradientUnits="userSpaceOnUse" x1="162.375"
y1="80.053" x2="162.375" y2="49.99">
        <stop offset="0" stop-color="#ff857a" stop-opacity="1"/>
        <stop offset="1" stop-color="#f0a2b7" stop-opacity="1"/>
      </linearGradient>
      <linearGradient id="linear-gradient-4" gradientUnits="userSpaceOnUse" x1="471.482"
y1="79.988" x2="471.482"
          y2="49.983">
        <stop offset="0" stop-color="#ffa801" stop-opacity="1"/>
        <stop offset="1" stop-color="#ffcc01" stop-opacity="1"/>
      </linearGradient>
      <linearGradient id="linear-gradient-5" gradientUnits="userSpaceOnUse" x1="781.482"
y1="79.988" x2="781.482" y2="49.983">
```

```

        <stop offset="0" stop-color="#cb43f6" stop-opacity="1"/>
        <stop offset="1" stop-color="#ec4cbd" stop-opacity="1"/>
    </linearGradient>
    <circle id="myCircle" cx="0" cy="0" r="60" class="card"/>
    <rect id="legendRect" x="0" y="0" width="10" height="10" class="legend"/>
    <rect id="mySlimRect" x="0" y="0" width="150" height="150" rx="5" ry="5"
class="card"/>
    <rect id="myLargeRect" fill="#fffefa" x="0" y="0" width="300" height="400" rx="5"
ry="5" class="card" filter="url(#dropShadow)">
        <title class="description"/>
    </rect>
    <rect id="myLargerHeroRect" x="0" y="0" width="300" height="191" rx="5" ry="5"
class="card"/>
    <rect id="myPanel" x="0" y="0" width="300" height="30" rx="5" ry="5"
class="card"/>

</defs>
<style>
circle.card {
    filter: drop-shadow(3px 5px 2px rgb(0 0 0 / 0.1));
    pointer-events: bounding-box;
    opacity: 1;
}
circle.card:hover {
    opacity: 0.6;
}
use.card {
    filter: drop-shadow(3px 5px 2px rgb(0 0 0 / 0.1));
    pointer-events: bounding-box;
    opacity: 1;
}
use.card:hover {
    opacity: 0.6;
}
.subtitle {
    font-family: Helvetica, Arial, sans-serif;
    font-weight: normal;
    font-size: 9pt;
}
rect.legend {
    pointer-events: bounding-box;
    opacity: 1;
}

rect.legend:hover {
    opacity: 0.6;
}
.label {
    font-family: Helvetica, Arial, sans-serif;
    font-size: 9pt;
}

```

```

.legendText {
    font-size: 9pt;
    font-family: Helvetica, Arial, sans-serif;
}
.btnclass1 {font-family:Arial, Helvetica, sans-serif;font-size:11px;fill:#FFFFFF;letter-
spacing:normal;}
</style><g><use x="80" y="65" xlink:href="#myCircle" fill="#ff6385">
    <title class="description"></title>
</use>
<text class="category" visibility="hidden">Google</text>
<text class="author" visibility="hidden">null</text>
<text class="date" visibility="hidden"></text>
    <text x="80" y="70" text-anchor="middle" class="label btnclass1"><tspan
class="title" x="80" dy="0">Google</tspan></text><use x="205" y="65"
xlink:href="#myCircle" fill="#36a3eb">
    <title class="description"></title>
</use>
<text class="category" visibility="hidden">Apple</text>
<text class="author" visibility="hidden">null</text>
<text class="date" visibility="hidden"></text>
    <text x="205" y="70" text-anchor="middle" class="label btnclass1"><tspan
class="title" x="205" dy="0">Apple</tspan></text><use x="330" y="65"
xlink:href="#myCircle" fill="#9966ff">
    <title class="description"></title>
</use>
<text class="category" visibility="hidden">Microsoft</text>
<text class="author" visibility="hidden">null</text>
<text class="date" visibility="hidden"></text>
    <text x="330" y="70" text-anchor="middle" class="label btnclass1"><tspan
class="title" x="330" dy="0">Microsoft</tspan></text></g><g><use x="80" y="195"
xlink:href="#myCircle" fill="#ffcf56">
    <title class="description"></title>
</use>
<text class="category" visibility="hidden">Amazon</text>
<text class="author" visibility="hidden">null</text>
<text class="date" visibility="hidden"></text>
    <text x="80" y="200" text-anchor="middle" class="label btnclass1"><tspan
class="title" x="80" dy="0">Amazon</tspan></text><use x="205" y="195"
xlink:href="#myCircle" fill="#4bc0c0">
    <title class="description"></title>
</use>
<text class="category" visibility="hidden">Netflix</text>
<text class="author" visibility="hidden">null</text>
<text class="date" visibility="hidden"></text>
    <text x="205" y="200" text-anchor="middle" class="label btnclass1"><tspan
class="title" x="205" dy="0">Netflix</tspan></text></g><svg><use x="10" y="320"
style="fill:#ff6385" class="card" xlink:href="#legendRect"/>
<text x="30" y="330" class="legendText">Google</text><use x="10" y="340"
style="fill:#36a3eb" class="card" xlink:href="#legendRect"/>
<text x="30" y="350" class="legendText">Apple</text><use x="50%" y="320"
style="fill:#9966ff" class="card" xlink:href="#legendRect"/>

```

```

<text x="54%" y="330" class="legendText">Microsoft</text><use x="50%" y="340"
style="fill:#ffcf56" class="card" xlink:href="#legendRect"/>
<text x="54%" y="350" class="legendText">Amazon</text><use x="50%" y="360"
style="fill:#4bc0c0" class="card" xlink:href="#legendRect"/>
<text x="54%" y="370" class="legendText">Netflix</text></svg></svg>

```

Table 2. round\_pdf

	Label	Link
[pancolor?color=%23ff6385&label=Google&fname=abc]   <em>http://localhost:8010/extension/api/panel/pancolor?color=%23ff6385&label=Google&fname=abc.svg</em>	Google	<a href="#">Google</a>
[pancolor?color=%2336a3eb&label=Apple&fname=abc]   <em>http://localhost:8010/extension/api/panel/pancolor?color=%2336a3eb&label=Apple&fname=abc.svg</em>	Apple	<a href="#">Apple</a>
[pancolor?color=%239966ff&label=Microsoft&fname=abc]   <em>http://localhost:8010/extension/api/panel/pancolor?color=%239966ff&label=Microsoft&fname=abc.svg</em>	Microsoft	<a href="#">Microsoft</a>
[pancolor?color=%23ffcf56&label=Amazon&fname=abc]   <em>http://localhost:8010/extension/api/panel/pancolor?color=%23ffcf56&label=Amazon&fname=abc.svg</em>	Amazon	<a href="#">Amazon</a>
[pancolor?color=%234bc0c0&label=Netflix&fname=abc]   <em>http://localhost:8010/extension/api/panel/pancolor?color=%234bc0c0&label=Netflix&fname=abc.svg</em>	Netflix	<a href="#">Netflix</a>

## 4. Theming

**TIP** | New Attributes added, dropShadow & font

Table 3. Theme Guide

Item	Attribute	Value
layout	columns	<i>optional</i> , default: 3, max recommended 6
	groupBy	default Grouping.TITLE, others → .Grouping.TYPE, Grouping.AUTHOR, Grouping.DATE
	groupOrder	<i>optional</i> default Grouping.ASCENDING, others → Grouping.DESENDING
		<pre> theme {   layout {     columns = 4     groupBy = Grouping.TITLE     groupOrder = GroupingOrder.ASCENDING   } } </pre>
colorMap	color	<i>optional</i>
		<pre> colorMap{   color("#ff6385")   color("#36a3eb")   color("#9966ff")   color("#ffcf56")   color("#4bc0c0")   color("#FDCBF1") } </pre>
legendOn	legend	boolean, <i>default true</i>
newWin		boolean, <i>default true</i>
dropShadow		number 0..9, <i>default 1</i>
font		set of font to use <pre> font = font {   color = "#000000"   font = "Arial, Helvetica, sans-serif"   size = "9pt"   decoration = "underline" } </pre>

## 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 ----

```

```

<?xml version="1.0" standalone="no"?>
    <svg xmlns="http://www.w3.org/2000/svg" width="1260" height="220"
        xmlns:xlink="http://www.w3.org/1999/xlink" viewBox="0 0 1260 220"
        >
        <defs>
            <filter id="dropShadow" height="130%">

```

```

        <feGaussianBlur in="SourceAlpha" stdDeviation="1"/>
        <feOffset dx="5" dy="5" result="offsetblur"/>
        <feComponentTransfer>
            <feFuncA type="linear" slope="0.1"/>
        </feComponentTransfer>
        <feMerge>
            <feMergeNode/>
            <feMergeNode in="SourceGraphic"/>
        </feMerge>
    </filter>
    <filter id="filter">
        <feMorphology in="SourceAlpha" operator="dilate" radius="2" result="OUTLINE"/>
        <feComposite operator="out" in="OUTLINE" in2="SourceAlpha"/>
    </filter>
    <linearGradient id="linear-gradient-0" gradientUnits="userSpaceOnUse" x1="162.375"
y1="40.053" x2="162.375" y2="9.99">
        <stop offset="0" stop-color="#ff857a" stop-opacity="1"/>
        <stop offset="1" stop-color="#f0a2b7" stop-opacity="1"/>
    </linearGradient>
    <linearGradient id="linear-gradient-1" gradientUnits="userSpaceOnUse" x1="471.482"
y1="39.988" x2="471.482" y2="9.983">
        <stop offset="0" stop-color="#ffa801" stop-opacity="1"/>
        <stop offset="1" stop-color="#ffcc01" stop-opacity="1"/>
    </linearGradient>
    <linearGradient id="linear-gradient-2" gradientUnits="userSpaceOnUse" x1="781.482"
y1="39.988" x2="781.482" y2="9.983">
        <stop offset="0" stop-color="#cb43f6" stop-opacity="1"/>
        <stop offset="1" stop-color="#ec4cbd" stop-opacity="1"/>
    </linearGradient>
    <linearGradient id="linear-gradient-3" gradientUnits="userSpaceOnUse" x1="162.375"
y1="80.053" x2="162.375" y2="49.99">
        <stop offset="0" stop-color="#ff857a" stop-opacity="1"/>
        <stop offset="1" stop-color="#f0a2b7" stop-opacity="1"/>
    </linearGradient>
    <linearGradient id="linear-gradient-4" gradientUnits="userSpaceOnUse" x1="471.482"
y1="79.988" x2="471.482"
        y2="49.983">
        <stop offset="0" stop-color="#ffa801" stop-opacity="1"/>
        <stop offset="1" stop-color="#ffcc01" stop-opacity="1"/>
    </linearGradient>
    <linearGradient id="linear-gradient-5" gradientUnits="userSpaceOnUse" x1="781.482"
y1="79.988" x2="781.482" y2="49.983">
        <stop offset="0" stop-color="#cb43f6" stop-opacity="1"/>
        <stop offset="1" stop-color="#ec4cbd" stop-opacity="1"/>
    </linearGradient>
    <circle id="myCircle" cx="0" cy="0" r="60" class="card"/>
    <rect id="legendRect" x="0" y="0" width="10" height="10" class="legend"/>
    <rect id="mySlimRect" x="0" y="0" width="150" height="150" rx="5" ry="5"
class="card"/>
    <rect id="myLargeRect" fill="#fffefa" x="0" y="0" width="300" height="400" rx="5"
ry="5" class="card" filter="url(#dropShadow)">

```

```

        <title class="description"/>
    </rect>
    <rect id="myLargerHeroRect" x="0" y="0" width="300" height="191" rx="5" ry="5"
class="card"/>
    <rect id="myPanel" x="0" y="0" width="300" height="30" rx="5" ry="5"
class="card"/>

</defs>
<style>
rect.card {
    filter: drop-shadow(3px 5px 2px rgb(0 0 0 / 0.1));
    pointer-events: bounding-box;
    opacity: 1;
}
rect.card:hover {
    opacity: 0.6;
}
use.card {
    filter: drop-shadow(3px 5px 2px rgb(0 0 0 / 0.1));
    pointer-events: bounding-box;
    opacity: 1;
}
use.card:hover {
    opacity: 0.6;
}
.card {
    pointer-events: bounding-box;
    opacity: 1;
}
.card:hover {
    opacity: 0.6;
}
.subtitle {
    font-family: Helvetica, Arial, sans-serif;
    font-weight: normal;
    font-size: 10px;
}
rect.legend {
    pointer-events: bounding-box;
    opacity: 1;
}

rect.legend:hover {
    opacity: 0.6;
}
.label {
    font-family: Helvetica, Arial, sans-serif;
}
.title {
    fill: white;
    font-family: Helvetica, Arial, sans-serif;

```



```

    font-weight: normal;
    font-style: normal;
    font-size: 9pt;
}
.legendText {
    font-size: 9pt;
    font-family: Helvetica, Arial, sans-serif;
}
.btnclass1 {font-family:Arial, Helvetica, sans-serif;font-size:11px;fill:#FFFFFF;letter-
spacing:normal;}
</style><g><use x="10" y="10" class="card" fill="#fff6385" xlink:href="#myPanel">
    <title class="description"></title>
</use>
<text class="category" visibility="hidden">Amazon</text>
<text class="author" visibility="hidden">null</text>
<text class="date" visibility="hidden"></text><text x="162" y="30" class="title btnclass1"
text-anchor="middle">Amazon</text><use x="320" y="10" class="card" fill="#36a3eb"
xlink:href="#myPanel">
    <title class="description"></title>
</use>
<text class="category" visibility="hidden">Apple</text>
<text class="author" visibility="hidden">null</text>
<text class="date" visibility="hidden"></text><text x="472" y="30" class="title btnclass1"
text-anchor="middle">Apple</text><use x="630" y="10" class="card" fill="#9966ff"
xlink:href="#myPanel">
    <title class="description"></title>
</use>
<text class="category" visibility="hidden">Google</text>
<text class="author" visibility="hidden">null</text>
<text class="date" visibility="hidden"></text><text x="782" y="30" class="title btnclass1"
text-anchor="middle">Google</text><use x="940" y="10" class="card" fill="#ffcf56"
xlink:href="#myPanel">
    <title class="description"></title>
</use>
<text class="category" visibility="hidden">Microsoft</text>
<text class="author" visibility="hidden">null</text>
<text class="date" visibility="hidden"></text><text x="1092" y="30" class="title
btnclass1" text-anchor="middle">Microsoft</text></g><g><use x="10" y="50" class="card"
fill="#4bc0c0" xlink:href="#myPanel">
    <title class="description"></title>
</use>
<text class="category" visibility="hidden">Netflix</text>
<text class="author" visibility="hidden">null</text>
<text class="date" visibility="hidden"></text><text x="162" y="70" class="title btnclass1"
text-anchor="middle">Netflix</text></g><svg><use x="10" y="90" style="fill:#fff6385"
class="card" xlink:href="#legendRect"/>
<text x="30" y="100" class="legendText">Amazon</text><use x="10" y="110"
style="fill:#36a3eb" class="card" xlink:href="#legendRect"/>
<text x="30" y="120" class="legendText">Apple</text><use x="50%" y="90"
style="fill:#9966ff" class="card" xlink:href="#legendRect"/>
<text x="54%" y="100" class="legendText">Google</text><use x="50%" y="110"

```

```

style="fill:#ffcf56" class="card" xlink:href="#legendRect"/>
<text x="54%" y="120" class="legendText">Microsoft</text><use x="50%" y="130"
style="fill:#4bc0c0" class="card" xlink:href="#legendRect"/>
<text x="54%" y="140" class="legendText">Netflix</text></svg></svg>

```

Table 4. round2\_pdf

	Label	Link
[pancolor?color=%23ff6385&label=Google&fname=abc]   <em>http://localhost:8010/extension/api/panel/pancolor?color=%23ff6385&label=Google&fname=abc.svg</em>	Google	<a href="#">Google</a>
[pancolor?color=%2336a3eb&label=Apple&fname=abc]   <em>http://localhost:8010/extension/api/panel/pancolor?color=%2336a3eb&label=Apple&fname=abc.svg</em>	Apple	<a href="#">Apple</a>
[pancolor?color=%239966ff&label=Microsoft&fname=abc]   <em>http://localhost:8010/extension/api/panel/pancolor?color=%239966ff&label=Microsoft&fname=abc.svg</em>	Microsoft	<a href="#">Microsoft</a>
[pancolor?color=%23ffcf56&label=Amazon&fname=abc]   <em>http://localhost:8010/extension/api/panel/pancolor?color=%23ffcf56&label=Amazon&fname=abc.svg</em>	Amazon	<a href="#">Amazon</a>
[pancolor?color=%234bc0c0&label=Netflix&fname=abc]   <em>http://localhost:8010/extension/api/panel/pancolor?color=%234bc0c0&label=Netflix&fname=abc.svg</em>	Netflix	<a href="#">Netflix</a>

## 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 }
15 slim {
16     link = "https://www.google.com"
17     label = "Google"
18     type = "Advertising"
19     description = "Google is is an American multinational technology company
20 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
30 that specializes in consumer electronics, computer software and online services. "
31     author("Steve Jobs")
32     author("Steve Wozniak")
33     date ="01/30/1977"
34 }
35 slim {
36     link = "https://www.microsoft.com"
37     label = "Microsoft"
38     type = "Software"
39     description = "Microsoft Corporation is an American multinational
40 technology corporation which produces computer software, consumer electronics,
41 personal computers, and related services."
42     author("Bill Gates")
43 }
44 slim {
45     link = "https://www.amazon.com"
46     label = "Amazon"
47     type = "Super Store"
48     description = "Amazon.com, Inc. is an American multinational technology
49 company which focuses on e-commerce, cloud computing, digital streaming, and
50 artificial intelligence"
51     author("Jeff Bezos")
52 }
53 slim {
54     link = "https://www.netflix.com"
55     label = "Netflix"

```

```

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

```

```

<?xml version="1.0" standalone="no"?>
    <svg xmlns="http://www.w3.org/2000/svg" width="660" height="360"
xmlns:xlink="http://www.w3.org/1999/xlink" viewBox="0 0 660 360"
    >
    <defs>
    <filter id="dropShadow" height="130%">
        <feGaussianBlur in="SourceAlpha" stdDeviation="1"/>
        <feOffset dx="5" dy="5" result="offsetblur"/>
        <feComponentTransfer>
            <feFuncA type="linear" slope="0.1"/>
        </feComponentTransfer>
        <feMerge>
            <feMergeNode/>
            <feMergeNode in="SourceGraphic"/>
        </feMerge>
    </filter>
    <filter id="filter">
        <feMorphology in="SourceAlpha" operator="dilate" radius="2" result="OUTLINE"/>
        <feComposite operator="out" in="OUTLINE" in2="SourceAlpha"/>
    </filter>
    <linearGradient id="linear-gradient-0" gradientUnits="userSpaceOnUse" x1="162.375"
y1="40.053" x2="162.375" y2="9.99">
        <stop offset="0" stop-color="#ff857a" stop-opacity="1"/>
        <stop offset="1" stop-color="#f0a2b7" stop-opacity="1"/>
    </linearGradient>

```

```

        <linearGradient id="linear-gradient-1" gradientUnits="userSpaceOnUse" x1="471.482"
y1="39.988" x2="471.482" y2="9.983">
            <stop offset="0" stop-color="#ffa801" stop-opacity="1"/>
            <stop offset="1" stop-color="#ffcc01" stop-opacity="1"/>
        </linearGradient>
        <linearGradient id="linear-gradient-2" gradientUnits="userSpaceOnUse" x1="781.482"
y1="39.988" x2="781.482" y2="9.983">
            <stop offset="0" stop-color="#cb43f6" stop-opacity="1"/>
            <stop offset="1" stop-color="#ec4cbd" stop-opacity="1"/>
        </linearGradient>
        <linearGradient id="linear-gradient-3" gradientUnits="userSpaceOnUse" x1="162.375"
y1="80.053" x2="162.375" y2="49.99">
            <stop offset="0" stop-color="#ff857a" stop-opacity="1"/>
            <stop offset="1" stop-color="#f0a2b7" stop-opacity="1"/>
        </linearGradient>
        <linearGradient id="linear-gradient-4" gradientUnits="userSpaceOnUse" x1="471.482"
y1="79.988" x2="471.482"
y2="49.983">
            <stop offset="0" stop-color="#ffa801" stop-opacity="1"/>
            <stop offset="1" stop-color="#ffcc01" stop-opacity="1"/>
        </linearGradient>
        <linearGradient id="linear-gradient-5" gradientUnits="userSpaceOnUse" x1="781.482"
y1="79.988" x2="781.482" y2="49.983">
            <stop offset="0" stop-color="#cb43f6" stop-opacity="1"/>
            <stop offset="1" stop-color="#ec4cbd" stop-opacity="1"/>
        </linearGradient>
        <circle id="myCircle" cx="0" cy="0" r="60" class="card"/>
        <rect id="legendRect" x="0" y="0" width="10" height="10" class="legend"/>
        <rect id="mySlimRect" x="0" y="0" width="150" height="150" rx="5" ry="5"
class="card"/>
        <rect id="myLargeRect" fill="#fffefa" x="0" y="0" width="300" height="400" rx="5"
ry="5" class="card" filter="url(#dropShadow)">
            <title class="description"/>
        </rect>
        <rect id="myLargerHeroRect" x="0" y="0" width="300" height="191" rx="5" ry="5"
class="card"/>
        <rect id="myPanel" x="0" y="0" width="300" height="30" rx="5" ry="5"
class="card"/>

    </defs>
    <style>
rect.card {
    pointer-events: bounding-box;
    opacity: 1;
}

rect.card:hover {
    opacity: 0.6;
}
use.card {
    pointer-events: bounding-box;

```

```
    opacity: 1;
}

use.card:hover {
    opacity: 0.6;
}

.card {
    filter: drop-shadow(3px 5px 2px rgb(0 0 0 / 0.1));
}

.lineHead {
    fill: white;
    font-family: Helvetica, Arial, sans-serif;
    font-weight: bold;
    font-size: 9pt;
}

.category {
    fill: white;
    font-family: Helvetica, Arial, sans-serif;
    font-weight: bold;
    font-style: italic;
    font-size: 8pt;
}

.title {
    fill: white;
    font-family: Helvetica, Arial, sans-serif;
    font-weight: bold;
    font-style: normal;
    font-size: 9pt;
}

.author {
    font-family: Helvetica, Arial, sans-serif;
    font-weight: normal;
    font-size: 8pt;
    fill: darkslategrey;
}

.legendText {
    font-family: Helvetica, Arial, sans-serif;
    font-weight: normal;
    font-size: 9pt;
}

.date {
    fill: white;
    font-family: Helvetica, Arial, sans-serif;
    font-weight: normal;
    font-size: 10px;
}
```

```

}
#tooltip {
    background: cornsilk;
    border: 1px solid black;
    border-radius: 5px;
    padding: 5px;
}
.btnnclass1 {font-family:Arial, Helvetica, sans-serif;font-size:11px;fill:#000000;letter-
spacing:normal;}
</style><g><use x="10" y="10" class="card" fill="#9cefc5" xlink:href="#mySlimRect">
    <title class="description">Google is is an American multinational technology company
that specializes in Internet-related services and products </title>
</use>    <text x="12" y="30">
        <tspan x="14" dy="0" class="title btnnclass1">Google</tspan>
        <tspan x="14" dy="16" class="category">Advertising</tspan>
        <tspan x="14" dy="16" class="author">Sergey Brin</tspan><tspan x="14" dy="16"
class="author">Larry Page</tspan>
        <tspan x="95" dy="16" class="date">07/30/1998</tspan>
</text><use x="170" y="10" class="card" fill="#9cefc5" xlink:href="#mySlimRect">
    <title class="description">Apple Inc. is an American multinational technology company
that specializes in consumer electronics, computer software and online services. </title>
</use>    <text x="172" y="30">
        <tspan x="174" dy="0" class="title btnnclass1">Apple</tspan>
        <tspan x="174" dy="16" class="category">Personal Devices</tspan>
        <tspan x="174" dy="16" class="author">Steve Jobs</tspan><tspan x="174" dy="16"
class="author">Steve Wozniak</tspan>
        <tspan x="255" dy="16" class="date">01/30/1977</tspan>
</text><use x="330" y="10" class="card" fill="#9cefc5" xlink:href="#mySlimRect">
    <title class="description">Microsoft Corporation is an American multinational
technology corporation which produces computer software, consumer electronics, personal
computers, and related services.</title>
</use>    <text x="332" y="30">
        <tspan x="334" dy="0" class="title btnnclass1">Microsoft</tspan>
        <tspan x="334" dy="16" class="category">Software</tspan>
        <tspan x="334" dy="16" class="author">Bill Gates</tspan>
        <tspan x="415" dy="16" class="date"></tspan>
</text><use x="490" y="10" class="card" fill="#9cefc5" xlink:href="#mySlimRect">
    <title class="description">Amazon.com, Inc. is an American multinational technology
company which focuses on e-commerce, cloud computing, digital streaming, and artificial
intelligence</title>
</use>    <text x="492" y="30">
        <tspan x="494" dy="0" class="title btnnclass1">Amazon</tspan>
        <tspan x="494" dy="16" class="category">Super Store</tspan>
        <tspan x="494" dy="16" class="author">Jeff Bezos</tspan>
        <tspan x="575" dy="16" class="date"></tspan>
</text></g><g><use x="10" y="170" class="card" fill="#9cefc5" xlink:href="#mySlimRect">
    <title class="description">Netflix, Inc. is an American subscription streaming service
and production company.</title>
</use>    <text x="12" y="190">
        <tspan x="14" dy="0" class="title btnnclass1">Netflix</tspan>
        <tspan x="14" dy="16" class="category">Movie Theater</tspan>

```

```

    <tspan x="14" dy="16" class="author">Reed</tspan><tspan x="14" dy="16"
class="author">Marc</tspan>
    <tspan x="95" dy="16" class="date"></tspan>
</text><use x="170" y="170" class="card" fill="#9cefc5" xlink:href="#mySlimRect">
    <title class="description">Facebook is an American online social media and social
networking service owned by Meta Platforms.</title>
</use>    <text x="172" y="190">
    <tspan x="174" dy="0" class="title btnclass1">Facebook</tspan>
    <tspan x="174" dy="16" class="category">Social Butterfly</tspan>
    <tspan x="174" dy="16" class="author">Mark Zuckerberg</tspan>
    <tspan x="255" dy="16" class="date"></tspan>
</text><use x="330" y="170" class="card" fill="#9cefc5" xlink:href="#mySlimRect">
    <title class="description">Instagram is an American photo and video sharing social
networking service. </title>
</use>    <text x="332" y="190">
    <tspan x="334" dy="0" class="title btnclass1">Instagram</tspan>
    <tspan x="334" dy="16" class="category">Beach</tspan>
    <tspan x="334" dy="16" class="author">Kevin</tspan><tspan x="334" dy="16"
class="author">Mike</tspan>
    <tspan x="415" dy="16" class="date"></tspan>
</text></g></svg>

```

Table 5. *slim\_pdf*

	Label	Link
[pancolor?color=%239cefc5&label=Google&fname=abc]   <em>http://localhost:8010/extension/api/panel/pancolor?color=%239cefc5&label=Google&fname=abc.svg</em>	Google	<a href="#">Google</a>
[pancolor?color=%239cefc5&label=Apple&fname=abc]   <em>http://localhost:8010/extension/api/panel/pancolor?color=%239cefc5&label=Apple&fname=abc.svg</em>	Apple	<a href="#">Apple</a>
[pancolor?color=%239cefc5&label=Microsoft&fname=abc]   <em>http://localhost:8010/extension/api/panel/pancolor?color=%239cefc5&label=Microsoft&fname=abc.svg</em>	Microsoft	<a href="#">Microsoft</a>
[pancolor?color=%239cefc5&label=Amazon&fname=abc]   <em>http://localhost:8010/extension/api/panel/pancolor?color=%239cefc5&label=Amazon&fname=abc.svg</em>	Amazon	<a href="#">Amazon</a>



	Label	Link
[pancolor?color=%239cefc5&label=Netflix&fname=abc]   <em>http://localhost:8010/extension/api/panel/pancolor?color=%239cefc5&label=Netflix&fname=abc.svg</em>	Netflix	<a href="#">Netflix</a>
[pancolor?color=%239cefc5&label=Facebook&fname=abc]   <em>http://localhost:8010/extension/api/panel/pancolor?color=%239cefc5&label=Facebook&fname=abc.svg</em>	Facebook	<a href="#">Facebook</a>
[pancolor?color=%239cefc5&label=Instagram&fname=abc]   <em>http://localhost:8010/extension/api/panel/pancolor?color=%239cefc5&label=Instagram&fname=abc.svg</em>	Instagram	<a href="#">Instagram</a>

Table 6. 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

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 ----

```

```

<?xml version="1.0" standalone="no"?>
    <svg xmlns="http://www.w3.org/2000/svg" width="960" height="1410"
        xmlns:xlink="http://www.w3.org/1999/xlink" viewBox="0 0 960 1410"
        >
        <defs>
        <filter id="dropShadow" height="130%">
            <feGaussianBlur in="SourceAlpha" stdDeviation="1"/>
            <feOffset dx="5" dy="5" result="offsetblur"/>
            <feComponentTransfer>
                <feFuncA type="linear" slope="0.1"/>
            </feComponentTransfer>
            <feMerge>
                <feMergeNode/>
                <feMergeNode in="SourceGraphic"/>
            </feMerge>
        </filter>
        <filter id="filter">
            <feMorphology in="SourceAlpha" operator="dilate" radius="2" result="OUTLINE"/>
            <feComposite operator="out" in="OUTLINE" in2="SourceAlpha"/>
        </filter>
        <linearGradient id="linear-gradient-0" gradientUnits="userSpaceOnUse" x1="162.375"
y1="40.053" x2="162.375" y2="9.99">
            <stop offset="0" stop-color="#ff857a" stop-opacity="1"/>
            <stop offset="1" stop-color="#f0a2b7" stop-opacity="1"/>
        </linearGradient>
        <linearGradient id="linear-gradient-1" gradientUnits="userSpaceOnUse" x1="471.482"
y1="39.988" x2="471.482" y2="9.983">
            <stop offset="0" stop-color="#ffa801" stop-opacity="1"/>
            <stop offset="1" stop-color="#ffcc01" stop-opacity="1"/>
        </linearGradient>
        <linearGradient id="linear-gradient-2" gradientUnits="userSpaceOnUse" x1="781.482"
y1="39.988" x2="781.482" y2="9.983">
            <stop offset="0" stop-color="#cb43f6" stop-opacity="1"/>
            <stop offset="1" stop-color="#ec4cbd" stop-opacity="1"/>
        </linearGradient>

```

```

        <linearGradient id="linear-gradient-3" gradientUnits="userSpaceOnUse" x1="162.375"
y1="80.053" x2="162.375" y2="49.99">
            <stop offset="0" stop-color="#ff857a" stop-opacity="1"/>
            <stop offset="1" stop-color="#f0a2b7" stop-opacity="1"/>
        </linearGradient>
        <linearGradient id="linear-gradient-4" gradientUnits="userSpaceOnUse" x1="471.482"
y1="79.988" x2="471.482"
            y2="49.983">
            <stop offset="0" stop-color="#ffa801" stop-opacity="1"/>
            <stop offset="1" stop-color="#ffcc01" stop-opacity="1"/>
        </linearGradient>
        <linearGradient id="linear-gradient-5" gradientUnits="userSpaceOnUse" x1="781.482"
y1="79.988" x2="781.482" y2="49.983">
            <stop offset="0" stop-color="#cb43f6" stop-opacity="1"/>
            <stop offset="1" stop-color="#ec4cbd" stop-opacity="1"/>
        </linearGradient>
        <circle id="myCircle" cx="0" cy="0" r="60" class="card"/>
        <rect id="legendRect" x="0" y="0" width="10" height="10" class="legend"/>
        <rect id="mySlimRect" x="0" y="0" width="150" height="150" rx="5" ry="5"
class="card"/>
        <rect id="myLargeRect" fill="#fffefa" x="0" y="0" width="300" height="400" rx="5"
ry="5" class="card" filter="url(#dropShadow)">
            <title class="description"/>
        </rect>
        <rect id="myLargerHeroRect" x="0" y="0" width="300" height="191" rx="5" ry="5"
class="card"/>
        <rect id="myPanel" x="0" y="0" width="300" height="30" rx="5" ry="5"
class="card"/>

    </defs>
    <style>
rect.card {
    pointer-events: bounding-box;
    opacity: 1;
}
rect.card:hover {
    opacity: 0.6;
}
use.card {
    pointer-events: bounding-box;
    opacity: 1;
}
use.card:hover {
    opacity: 0.6;
}
}
.card {
    pointer-events: bounding-box;
    opacity: 1;
}
.card:hover {
    opacity: 0.6;
}

```

```

}
.headline {
    font-family: Helvetica, Arial, sans-serif;
    fill: #46494d;
}
.link {
font-family: Helvetica, Arial, sans-serif;
    fill: #335D79;
}
.description {
    font-size: 9pt;
    font-family: Helvetica, Arial, sans-serif;
}
.category {
    font-size: 10pt;
    font-family: Helvetica, Arial, sans-serif;
}
.longdesc {
    font-family: Helvetica, Arial, sans-serif;
    font-size: 9pt;
}
.legendText {
    font-size: 9pt;
    font-family: Helvetica, Arial, sans-serif;
}
.btnclass1 {font-family:Arial, Helvetica, sans-serif;font-size:11px;fill:#FFFFFF;letter-
spacing:normal;}
</style><svg><use x="10" y="10" class="card" xlink:href="#myLargeRect"><title
class="description">Google is is an American multinational technology company that
specializes in Internet-related services and products </title></use>
<use x="10" y="10" class="card" fill="#ff6385" xlink:href="#myLargerHeroRect"/><tspan
class="title" text-decoration="underline" fill="#335D79">Google</tspan>
<text x="20" y="230" class="category">Search</text>
<text x="20" y="250" class="longdesc">

```

```

        <tspan x="20" dy="18" class="date">07/30/1998</tspan><tspan x="20"
dy="18" class="longdesc">Google is is an American multinational </tspan><tspan x="20"
dy="18" class="longdesc">technology company that specializes in </tspan><tspan x="20"
dy="18" class="longdesc">Internet-related services and products </tspan></text><use
x="330" y="10" class="card" xlink:href="#myLargeRect"><title class="description">Apple
Inc. is an American multinational technology company that specializes in consumer
electronics, computer software and online services. </title></use>
<use x="330" y="10" class="card" fill="#36a3eb" xlink:href="#myLargerHeroRect"/><tspan
class="title" text-decoration="underline" fill="#335D79">Apple</tspan>
<text x="340" y="230" class="category">Personal Devices</text>
<text x="340" y="250" class="longdesc">

```

```

        <tspan x="340" dy="18" class="date">01/30/1977</tspan><tspan x="340"
dy="18" class="longdesc">Apple Inc. is an American multinational </tspan><tspan x="340"
dy="18" class="longdesc">technology company that specializes in </tspan><tspan x="340"
dy="18" class="longdesc">consumer electronics, computer software and </tspan><tspan

```

x="340" dy="18" class="longdesc">online services. </tspan></text><use x="650" y="10" class="card" xlink:href="#myLargeRect"><title class="description">Microsoft Corporation is an American multinational technology corporation which produces computer software, consumer electronics, personal computers, and related services.</title></use>  
<use x="650" y="10" class="card" fill="#9966ff" xlink:href="#myLargerHeroRect"/><tspan class="title" text-decoration="underline" fill="#335D79">Microsoft</tspan>  
<text x="660" y="230" class="category">Software</text>  
<text x="660" y="250" class="longdesc">

<tspan x="660" dy="18" class="date"></tspan><tspan x="660" dy="18" class="longdesc">Microsoft Corporation is an American </tspan><tspan x="660" dy="18" class="longdesc">multinational technology corporation which </tspan><tspan x="660" dy="18" class="longdesc">produces computer software, consumer </tspan><tspan x="660" dy="18" class="longdesc">electronics, personal computers, and related </tspan><tspan x="660" dy="18" class="longdesc">services. </tspan></text></svg><svg><use x="10" y="420" class="card" xlink:href="#myLargeRect"><title class="description">Amazon.com, Inc. is an American multinational technology company which focuses on e-commerce, cloud computing, digital streaming, and artificial intelligence</title></use>  
<use x="10" y="420" class="card" fill="#ffcf56" xlink:href="#myLargerHeroRect"/><tspan class="title" text-decoration="underline" fill="#335D79">Amazon</tspan>  
<text x="20" y="640" class="category">Super Store</text>  
<text x="20" y="660" class="longdesc">

<tspan x="20" dy="18" class="date"></tspan><tspan x="20" dy="18" class="longdesc">Amazon.com, Inc. is an American multinational </tspan><tspan x="20" dy="18" class="longdesc">technology company which focuses on </tspan><tspan x="20" dy="18" class="longdesc">e-commerce, cloud computing, digital </tspan><tspan x="20" dy="18" class="longdesc">streaming, and artificial intelligence </tspan></text><use x="330" y="420" class="card" xlink:href="#myLargeRect"><title class="description">Netflix, Inc. is an American subscription streaming service and production company.</title></use>  
<use x="330" y="420" class="card" fill="#4bc0c0" xlink:href="#myLargerHeroRect"/><tspan class="title" text-decoration="underline" fill="#335D79">Netflix</tspan>  
<text x="340" y="640" class="category">Movie Theater</text>  
<text x="340" y="660" class="longdesc">

<tspan x="340" dy="18" class="date"></tspan><tspan x="340" dy="18" class="longdesc">Netflix, Inc. is an American subscription </tspan><tspan x="340" dy="18" class="longdesc">streaming service and production company. </tspan></text><use x="650" y="420" class="card" xlink:href="#myLargeRect"><title class="description">Facebook is an American online social media and social networking service owned by Meta Platforms.</title></use>  
<use x="650" y="420" class="card" fill="#FDCBF1" xlink:href="#myLargerHeroRect"/><tspan class="title" text-decoration="underline" fill="#335D79">Facebook</tspan>  
<text x="660" y="640" class="category">Social Butterfly</text>  
<text x="660" y="660" class="longdesc">

<tspan x="660" dy="18" class="date"></tspan><tspan x="660" dy="18" class="longdesc">Facebook is an American online social media and </tspan><tspan x="660" dy="18" class="longdesc">social networking service owned by Meta </tspan><tspan x="660" dy="18" class="longdesc">Platforms. </tspan></text></svg><svg><use x="10" y="830" class="card" xlink:href="#myLargeRect"><title class="description">Instagram is an American

photo and video sharing social networking service founded by Kevin Systrom and Mike Krieger. </title></use>  
<use x="10" y="830" class="card" fill="#A6C1EE" xlink:href="#myLargerHeroRect"/><tspan class="title" text-decoration="underline" fill="#335D79">Instagram</tspan>  
<text x="20" y="1050" class="category">Beach</text>  
<text x="20" y="1070" class="longdesc">

<tspan x="20" dy="18" class="date"></tspan><tspan x="20" dy="18" class="longdesc">Instagram is an American photo and video sharing </tspan><tspan x="20" dy="18" class="longdesc">social networking service founded by Kevin </tspan><tspan x="20" dy="18" class="longdesc">Systrom and Mike Krieger. </tspan></text></svg><svg><use x="10" y="1240" style="fill:#fff6385" class="card" xlink:href="#legendRect"/>  
<text x="30" y="1250" class="legendText">Search</text><use x="10" y="1260" style="fill:#36a3eb" class="card" xlink:href="#legendRect"/>  
<text x="30" y="1270" class="legendText">Personal Devices</text><use x="10" y="1280" style="fill:#9966ff" class="card" xlink:href="#legendRect"/>  
<text x="30" y="1290" class="legendText">Software</text><use x="50%" y="1240" style="fill:#ffcf56" class="card" xlink:href="#legendRect"/>  
<text x="54%" y="1250" class="legendText">Super Store</text><use x="50%" y="1260" style="fill:#4bc0c0" class="card" xlink:href="#legendRect"/>  
<text x="54%" y="1270" class="legendText">Movie Theater</text><use x="50%" y="1280" style="fill:#FDCBF1" class="card" xlink:href="#legendRect"/>  
<text x="54%" y="1290" class="legendText">Social Butterfly</text><use x="50%" y="1300" style="fill:#A6C1EE" class="card" xlink:href="#legendRect"/>  
<text x="54%" y="1310" class="legendText">Beach</text></svg></svg>

Table 7. large\_pdf

	Label	Link
[pancolor?color=%23ff6385&label=Google&fname=abc]   <em>http://localhost:8010/extension/api/panel/pancolor?color=%23ff6385&label=Google&fname=abc.svg</em>	Google	<a href="#">Google</a>
[pancolor?color=%2336a3eb&label=Apple&fname=abc]   <em>http://localhost:8010/extension/api/panel/pancolor?color=%2336a3eb&label=Apple&fname=abc.svg</em>	Apple	<a href="#">Apple</a>
[pancolor?color=%239966ff&label=Microsoft&fname=abc]   <em>http://localhost:8010/extension/api/panel/pancolor?color=%239966ff&label=Microsoft&fname=abc.svg</em>	Microsoft	<a href="#">Microsoft</a>

	Label	Link
[pancolor?color=%23ffcf56&label=Amazon&fname=abc]   <em>http://localhost:8010/extension/api/panel/pancolor?color=%23ffcf56&label=Amazon&fname=abc.svg</em>	Amazon	<a href="#">Amazon</a>
[pancolor?color=%234bc0c0&label=Netflix&fname=abc]   <em>http://localhost:8010/extension/api/panel/pancolor?color=%234bc0c0&label=Netflix&fname=abc.svg</em>	Netflix	<a href="#">Netflix</a>
[pancolor?color=%23FDCBF1&label=Facebook&fname=abc]   <em>http://localhost:8010/extension/api/panel/pancolor?color=%23FDCBF1&label=Facebook&fname=abc.svg</em>	Facebook	<a href="#">Facebook</a>
[pancolor?color=%23A6C1EE&label=Instagram&fname=abc]   <em>http://localhost:8010/extension/api/panel/pancolor?color=%23A6C1EE&label=Instagram&fname=abc.svg</em>	Instagram	<a href="#">Instagram</a>

Table 8. 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 += "\n"
    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 9. Pipe Delimited Values

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

```
image::http://localhost:8010/extension/api/badge/item?payload=H4sIAAAAAAAAA_1NwSkxJTy2ucSxK
rckoKSkottLXLy8v10vPz0_PsVLzs-tCXJ1qXHKKU2tAQC-
ZD6uLAAAAA==&finalname=abc.svg[format=svg,link="https://www.google.com"]
image::http://localhost:8010/extension/api/badge/item?payload=H4sIAAAAAAAAA_1Nwzs_PqXEsSs1T
L1EIyUittK_JKckpKLbS1y8vL9erTMzIz9dLzs-
tcflJda3xD3L0c3etcQYAtRjh8jYAAAA=&finalname=abc.svg[format=svg
,link="https://www.yahoo.com"]
image::http://localhost:8010/extension/api/badge/item?payload=H4sIAAAAAAAAA_1Nwzs_PUSjJyMxL
r3EsSs1TL1EIyUittK_JKckpKLbS1y8vL9erTMzIz9dLzs-
tcflJda3xD3L0c3etcQYAQAUnIjwAAAA=&finalname=abc.svg[format=svg
,link="https://www.yahoo.com"]

image::http://localhost:8010/extension/api/badge/item?payload=H4sIAAAAAAAAA_1NwdHJ2qTE1NKr
JKckpKLbS1y8vL9dLz89Pz0nVS87PrQlydampCSnPLEnOAACPgW1nLAAAAA==&finalname=abc.svg[
format=svg,link="https://www.google.com"]
image::http://localhost:8010/extension/api/badge/item?payload=H4sIAAAAAAAAA_1PwrVTwyc9LV_B
JTErNqTE0MKjJKckpKLbS1y8vL9erTMzIz9dLzs-
tUbZMTktOTq7xD3L0c3etcQYAUAUtaSlzkAAAA=&finalname=abc.svg[format=svg
,link="https://www.yahoo.com"]
image::http://localhost:8010/extension/api/badge/item?payload=H4sIAAAAAAAAA_1PwrVTwyc9LV_B
JTErNqTEyNajJKckpKLbS1y8vL9erTMzIz9dLzs-
tUbZMTktOTq7xD3L0c3etcQYAhOMCUTkAAAA=&finalname=abc.svg[format=svg
,link="https://www.yahoo.com"]
```