# DocOps.io AsciiDoctorJ Panels Steve D Roach

# **Table of Contents**

What are they?	1
How to use?	1
2.1. First Example	1
Round Buttons	
Theming	
4.1. Themed Example	12
Small Panels	
Large Panels	25
Generate Color Map Utility	
Badges/Shield	34
8.1. Syntax	34

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

```
<?xml version="1.0" standalone="no"?>
                <svg xmlns="http://www.w3.org/2000/svg" id="DocOps-07ab1d67-098f-488e-
bf23-c164b510b426"
                xmlns:xlink="http://www.w3.org/1999/xlink" viewBox="0 0 945 220"
        <defs>
        <filter id="dropShadow" height="112%">
            <feGaussianBlur in="SourceAlpha" stdDeviation="1"/>
            <feOffset dx="1" dy="3" 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"</pre>
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"</pre>
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"</pre>
v1="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"</pre>
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"</pre>
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"</pre>
```

```
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>
        <linearGradient xmlns="http://www.w3.org/2000/svg" id="my-cool-gradient" x2="1"</pre>
y2="1">
            <stop offset="0%" stop-color="#447799"/>
            <stop offset="50%" stop-color="#224488"/>
            <stop offset="100%" stop-color="#112266"/>
        </linearGradient>
        <linearGradient xmlns="http://www.w3.org/2000/svg" id="my-warm-gradient" x2="1"</pre>
y2="1">
            <stop offset="0%" stop-color="#CC7744"/>
            <stop offset="50%" stop-color="#992244"/>
            <stop offset="100%" stop-color="#661133"/>
        </linearGradient>
        <linearGradient id="my-cool-gradient-1" x2="1" y2="1">
            <stop offset="0%" stop-color="#447799" />
            <stop offset="50%" stop-color="#224488" />
            <stop offset="100%" stop-color="#112266" />
        </linearGradient>
        <linearGradient id="my-cool-gradient-2" x2="1" y2="1">
            <stop offset="0%" stop-color="gold" />
            <stop offset="50%" stop-color="red" />
            <stop offset="100%" stop-color="#112266" />
        </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"</pre>
class="card"/>
        <rect id="myPanel" x="0" y="0" width="300" height="30" rx="5" ry="5"
class="card"/>
    </defs>
    <style>
#DocOps-07ab1d67-098f-488e-bf23-c164b510b426 rect.card {
   filter: drop-shadow(3px 5px 2px rgb(0 0 0 / 0.1));
    pointer-events: bounding-box;
    opacity: 1;
}
#DocOps-07ab1d67-098f-488e-bf23-c164b510b426 rect.card:hover {
    opacity: 0.6;
}
#DocOps-07ab1d67-098f-488e-bf23-c164b510b426 use.card {
```

```
filter: drop-shadow(3px 5px 2px rgb(0 0 0 / 0.1));
    pointer-events: bounding-box;
    opacity: 1;
}
#DocOps-07ab1d67-098f-488e-bf23-c164b510b426 use.card:hover {
    opacity: 0.6;
#DocOps-07ab1d67-098f-488e-bf23-c164b510b426 .card {
    pointer-events: bounding-box;
    opacity: 1;
}
#DocOps-07ab1d67-098f-488e-bf23-c164b510b426 .card:hover {
    opacity: 0.6;
}
.subtitle {
    font-family: Helvetica, Arial, sans-serif;
    font-weight: normal;
    font-size: 10px;
}
#DocOps-07ab1d67-098f-488e-bf23-c164b510b426 rect.legend {
    pointer-events: bounding-box;
    opacity: 1;
}
#DocOps-07ab1d67-098f-488e-bf23-c164b510b426 rect.legend:hover {
    opacity: 0.6;
}
#DocOps-07ab1d67-098f-488e-bf23-c164b510b426 .label {
    font-family: Helvetica, Arial, sans-serif;
}
#DocOps-07ab1d67-098f-488e-bf23-c164b510b426 .title {
    fill: white;
    font-family: Helvetica, Arial, sans-serif;
    font-weight: normal;
    font-style: normal;
    font-size: 9pt;
}
#DocOps-07ab1d67-098f-488e-bf23-c164b510b426 .legendText {
    font-size: 9pt;
    font-family: Helvetica, Arial, sans-serif;
}
#DocOps-07ab1d67-098f-488e-bf23-c164b510b426 .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" v="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"</pre>
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&l	This Is Another Google	This Is Another Google
abel=This+Is+Another+Google&		
fname=abc]		
<em>http://localhost:8010/exten</em>		
sion/api/panel/pancolor?color=		
%23DA79EC&label=This+Is+An		
other+Google&fname=abc.svg </td <td></td> <td></td>		
em>		

	Label	Link
[pancolor?color=%23DECD5E&l abel=Apple&fname=abc]   <em>http://localhost:8010/exten sion/api/panel/pancolor?color= %23DECD5E&amp;label=Apple&amp;fna me=abc.svg</em>	Apple	Apple
[pancolor?color=%23F6AB4C&l abel=Microsoft&fname=abc]   <em>http://localhost:8010/exten sion/api/panel/pancolor?color= %23F6AB4C&amp;label=Microsoft&amp;f name=abc.svg</em>	Microsoft	Microsoft
[pancolor?color=%23F8827D&l abel=Amazon&fname=abc]   <em>http://localhost:8010/exten sion/api/panel/pancolor?color= %23F8827D&amp;label=Amazon&amp;fn ame=abc.svg</em>	Amazon	Amazon
[pancolor?color=%23FB0F5F&la bel=Netflix&fname=abc]   <em>http://localhost:8010/exten sion/api/panel/pancolor?color= %23FB0F5F&amp;label=Netflix&amp;fna me=abc.svg</em>	Netflix	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.

```
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" id="Doc0ps-2f434433-bb19-422e-</pre>
98f1-24f10655bca5"
                xmlns:xlink="http://www.w3.org/1999/xlink" viewBox="0 0 450 450"
        <defs>
        <filter id="dropShadow" height="112%">
            <feGaussianBlur in="SourceAlpha" stdDeviation="1"/>
            <feOffset dx="1" dy="3" 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"</pre>
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"</pre>
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"</pre>
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"</pre>
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"</pre>
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"</pre>
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>
        <linearGradient xmlns="http://www.w3.org/2000/svg" id="my-cool-gradient" x2="1"</pre>
y2="1">
            <stop offset="0%" stop-color="#447799"/>
            <stop offset="50%" stop-color="#224488"/>
            <stop offset="100%" stop-color="#112266"/>
        </linearGradient>
        <linearGradient xmlns="http://www.w3.org/2000/svg" id="my-warm-gradient" x2="1"</pre>
y2="1">
            <stop offset="0%" stop-color="#CC7744"/>
            <stop offset="50%" stop-color="#992244"/>
            <stop offset="100%" stop-color="#661133"/>
        </linearGradient>
        <linearGradient id="my-cool-gradient-1" x2="1" y2="1">
            <stop offset="0%" stop-color="#447799" />
            <stop offset="50%" stop-color="#224488" />
            <stop offset="100%" stop-color="#112266" />
        </linearGradient>
        <linearGradient id="my-cool-gradient-2" x2="1" y2="1">
            <stop offset="0%" stop-color="gold" />
            <stop offset="50%" stop-color="red" />
            <stop offset="100%" stop-color="#112266" />
        </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"</pre>
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>
#DocOps-2f434433-bb19-422e-98f1-24f10655bca5 circle.card {
    filter: drop-shadow(3px 5px 2px rgb(0 0 0 / 0.1));
    pointer-events: bounding-box;
    opacity: 1;
}
#DocOps-2f434433-bb19-422e-98f1-24f10655bca5 circle.card:hover {
    opacity: 0.6;
#DocOps-2f434433-bb19-422e-98f1-24f10655bca5 use.card {
    filter: drop-shadow(3px 5px 2px rgb(0 0 0 / 0.1));
    pointer-events: bounding-box;
    opacity: 1;
}
#DocOps-2f434433-bb19-422e-98f1-24f10655bca5 use.card:hover {
    opacity: 0.6;
}
#DocOps-2f434433-bb19-422e-98f1-24f10655bca5 .subtitle {
    font-family: Helvetica, Arial, sans-serif;
    font-weight: normal;
    font-size: 9pt;
}
#DocOps-2f434433-bb19-422e-98f1-24f10655bca5 rect.legend {
    pointer-events: bounding-box;
    opacity: 1;
}
#DocOps-2f434433-bb19-422e-98f1-24f10655bca5 rect.legend:hover {
    opacity: 0.6;
}
#DocOps-2f434433-bb19-422e-98f1-24f10655bca5 .label {
    font-family: Helvetica, Arial, sans-serif;
    font-size: 9pt;
}
#DocOps-2f434433-bb19-422e-98f1-24f10655bca5 .legendText {
    font-size: 9pt;
    font-family: Helvetica, Arial, sans-serif;
#DocOps-2f434433-bb19-422e-98f1-24f10655bca5 .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>
<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>
<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&la bel=Google&fname=abc]   <em>http://localhost:8010/exten sion/api/panel/pancolor?color= %23ff6385&amp;label=Google&amp;fnam e=abc.svg</em>	Google	Google
[pancolor?color=%2336a3eb&la bel=Apple&fname=abc]   <em>http://localhost:8010/exten sion/api/panel/pancolor?color= %2336a3eb&amp;label=Apple&amp;fnam e=abc.svg</em>	Apple	Apple
[pancolor?color=%239966ff&la bel=Microsoft&fname=abc]   <em>http://localhost:8010/exten sion/api/panel/pancolor?color= %239966ff&amp;label=Microsoft&amp;fn ame=abc.svg</em>	Microsoft	Microsoft
[pancolor?color=%23ffcf56&lab el=Amazon&fname=abc]   <em>http://localhost:8010/exten sion/api/panel/pancolor?color= %23ffcf56&amp;label=Amazon&amp;fna me=abc.svg</em>	Amazon	Amazon
[pancolor?color=%234bc0c0&la bel=Netflix&fname=abc]   <em>http://localhost:8010/exten sion/api/panel/pancolor?color= %234bc0c0&amp;label=Netflix&amp;fna me=abc.svg</em>	Netflix	Netflix

# 4. Theming

TIP

New Attributes added, dropShadow & font

Table 3. 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
		<pre>theme {     layout {         columns = 4         groupBy = Grouping.TITLE         groupOrder = GroupingOrder.ASCENDING     } }</pre>
colorMap	color	optional
		<pre>colorMap{     color("#ff6385")     color("#36a3eb")     color("#9966ff")     color("#ffcf56")     color("#4bc0c0")     color("#FDCBF1") }</pre>
legendOn	legend	boolean, default true
newWin		boolean, default true
dropShadow		number 09, default 1
font		<pre>set of font to use  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
             }
             dropShadow = 2
  13
  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
         panel {
  28
             link = "https://www.apple.com"
  29
             label = "Apple"
  30
  31
         }
  32
         panel {
  33
             link = "https://www.microsoft.com"
             label = "Microsoft"
  34
  35
         }
  36
         panel {
             link = "https://www.amazon.com"
  37
             label = "Amazon"
  38
  39
         }
  40
         panel {
             link = "https://www.netflix.com"
  41
             label = "Netflix"
  42
  43
         }
  44 }
  45 ----
<?xml version="1.0" standalone="no"?>
                 <svg xmlns="http://www.w3.org/2000/svg" id="DocOps-7b8d106c-3c79-41f7-</pre>
8a33-6ebd33a2de1a"
                xmlns:xlink="http://www.w3.org/1999/xlink" viewBox="0 0 1260 220"
        <defs>
        <filter id="dropShadow" height="112%">
            <feGaussianBlur in="SourceAlpha" stdDeviation="1"/>
            <feOffset dx="1" dy="3" 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"</pre>
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"</pre>
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"</pre>
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"</pre>
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"</pre>
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"</pre>
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>
        <linearGradient xmlns="http://www.w3.org/2000/svg" id="my-cool-gradient" x2="1"</pre>
y2="1">
            <stop offset="0%" stop-color="#447799"/>
            <stop offset="50%" stop-color="#224488"/>
            <stop offset="100%" stop-color="#112266"/>
        </linearGradient>
        <linearGradient xmlns="http://www.w3.org/2000/svg" id="my-warm-gradient" x2="1"</pre>
y2="1">
            <stop offset="0%" stop-color="#CC7744"/>
            <stop offset="50%" stop-color="#992244"/>
            <stop offset="100%" stop-color="#661133"/>
        </linearGradient>
```

```
<linearGradient id="my-cool-gradient-1" x2="1" y2="1">
            <stop offset="0%" stop-color="#447799" />
            <stop offset="50%" stop-color="#224488" />
            <stop offset="100%" stop-color="#112266" />
        </linearGradient>
        <linearGradient id="my-cool-gradient-2" x2="1" y2="1">
            <stop offset="0%" stop-color="gold" />
            <stop offset="50%" stop-color="red" />
            <stop offset="100%" stop-color="#112266" />
        </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"</pre>
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 id="myLargerHeroRect" x="0" y="0" width="300" height="191" rx="5" ry="5"</pre>
class="card"/>
        <rect id="myPanel" x="0" y="0" width="300" height="30" rx="5" ry="5"
class="card"/>
    </defs>
    <style>
#DocOps-7b8d106c-3c79-41f7-8a33-6ebd33a2de1a rect.card {
   filter: drop-shadow(3px 5px 2px rgb(0 0 0 / 0.1));
    pointer-events: bounding-box;
    opacity: 1;
}
#DocOps-7b8d106c-3c79-41f7-8a33-6ebd33a2de1a rect.card:hover {
    opacity: 0.6;
}
#DocOps-7b8d106c-3c79-41f7-8a33-6ebd33a2de1a use.card {
   filter: drop-shadow(3px 5px 2px rgb(0 0 0 / 0.1));
    pointer-events: bounding-box;
    opacity: 1;
}
#DocOps-7b8d106c-3c79-41f7-8a33-6ebd33a2de1a use.card:hover {
    opacity: 0.6;
#DocOps-7b8d106c-3c79-41f7-8a33-6ebd33a2de1a .card {
    pointer-events: bounding-box;
    opacity: 1;
}
#DocOps-7b8d106c-3c79-41f7-8a33-6ebd33a2de1a .card:hover {
    opacity: 0.6;
}
.subtitle {
    font-family: Helvetica, Arial, sans-serif;
```

```
font-weight: normal;
    font-size: 10px;
}
#DocOps-7b8d106c-3c79-41f7-8a33-6ebd33a2de1a rect.legend {
    pointer-events: bounding-box;
    opacity: 1;
}
#DocOps-7b8d106c-3c79-41f7-8a33-6ebd33a2de1a rect.legend:hover {
    opacity: 0.6;
}
#DocOps-7b8d106c-3c79-41f7-8a33-6ebd33a2de1a .label {
    font-family: Helvetica, Arial, sans-serif;
}
#DocOps-7b8d106c-3c79-41f7-8a33-6ebd33a2de1a .title {
    fill: white;
    font-family: Helvetica, Arial, sans-serif;
    font-weight: normal;
    font-style: normal;
    font-size: 9pt;
}
#DocOps-7b8d106c-3c79-41f7-8a33-6ebd33a2de1a .legendText {
    font-size: 9pt;
    font-family: Helvetica, Arial, sans-serif;
#DocOps-7b8d106c-3c79-41f7-8a33-6ebd33a2de1a .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="#ff6385" 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>
<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:#ff6385"
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"</pre>
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&la bel=Google&fname=abc]   <em>http://localhost:8010/exten sion/api/panel/pancolor?color= %23ff6385&amp;label=Google&amp;fnam e=abc.svg</em>	Google	Google
[pancolor?color=%2336a3eb&la bel=Apple&fname=abc]   <em>http://localhost:8010/exten sion/api/panel/pancolor?color= %2336a3eb&amp;label=Apple&amp;fnam e=abc.svg</em>	Apple	Apple
[pancolor?color=%239966ff&la bel=Microsoft&fname=abc]   <em>http://localhost:8010/exten sion/api/panel/pancolor?color= %239966ff&amp;label=Microsoft&amp;fn ame=abc.svg</em>	Microsoft	Microsoft
[pancolor?color=%23ffcf56&lab el=Amazon&fname=abc]   <em>http://localhost:8010/exten sion/api/panel/pancolor?color= %23ffcf56&amp;label=Amazon&amp;fna me=abc.svg</em>	Amazon	Amazon

	Label	Link
[pancolor?color=%234bc0c0&la bel=Netflix&fname=abc]   <em>http://localhost:8010/exten sion/api/panel/pancolor?color= %234bc0c0&amp;label=Netflix&amp;fna me=abc.svg</em>		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
           }
           font = font {
 7
8
               color = "#000000"
9
10
           colorMap{
               color("#ebb3d1")
11
12
13
           legendOn = false
14
           gradientStyle = DarkTheme
15
       }
16
       slim {
17
           link = "https://www.google.com"
18
           label = "Google"
19
           type = "Advertising"
           description = "Google is is an American multinational technology company
20
   that specializes in Internet-related services and products "
21
           author("Sergey Brin")
           author("Larry Page")
22
           date ="07/30/1998"
23
24
       }
25
       slim {
26
           link = "https://www.apple.com"
           label = "Apple"
27
28
           type = "Personal Devices"
29
           description = "Apple Inc. is an American multinational technology company
   that specializes in consumer electronics, computer software and online services. "
           author("Steve Jobs")
30
           author("Steve Wozniak")
31
           date = "01/30/1977"
32
       }
33
34
       slim {
```

```
35
           link = "https://www.microsoft.com"
           label = "Microsoft"
36
           type = "Software"
37
           description = "Microsoft Corporation is an American multinational
38
   technology corporation which produces computer software, consumer electronics,
   personal computers, and related services."
           author("Bill Gates")
39
40
       }
41
       slim {
42
           link = "https://www.amazon.com"
           label = "Amazon"
43
           type = "Super Store"
44
           description = "Amazon.com, Inc. is an American multinational technology
45
   company which focuses on e-commerce, cloud computing, digital streaming, and
   artificial intelligence"
           author("Jeff Bezos")
46
       }
47
       slim {
48
49
           link = "https://www.netflix.com"
           label = "Netflix"
50
           type = "Movie Theater"
51
           description = "Netflix, Inc. is an American subscription streaming service
52
   and production company."
53
           author("Reed")
           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
60
   networking service owned by Meta Platforms."
61
           author("Mark Zukerberg")
       }
62
       slim {
63
           link = "https://www.instagram.com"
64
65
           label = "Instagram"
           type = "Beach"
66
           description = "Instagram is an American photo and video sharing social
67
   networking service. "
           author("Kevin")
68
69
           author("Mike")
       }
70
71 }
```

```
<defs>
        <filter id="dropShadow" height="112%">
            <feGaussianBlur in="SourceAlpha" stdDeviation="1"/>
            <feOffset dx="1" dy="3" 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"</pre>
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"</pre>
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"</pre>
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"</pre>
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"</pre>
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"</pre>
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>
        <linearGradient xmlns="http://www.w3.org/2000/svg" id="my-cool-gradient" x2="1"</pre>
y2="1">
            <stop offset="0%" stop-color="#447799"/>
            <stop offset="50%" stop-color="#224488"/>
```

```
<stop offset="100%" stop-color="#112266"/>
        </linearGradient>
        <linearGradient xmlns="http://www.w3.org/2000/svg" id="my-warm-gradient" x2="1"</pre>
y2="1">
            <stop offset="0%" stop-color="#CC7744"/>
            <stop offset="50%" stop-color="#992244"/>
            <stop offset="100%" stop-color="#661133"/>
        </linearGradient>
        <linearGradient id="my-cool-gradient-1" x2="1" y2="1">
            <stop offset="0%" stop-color="#447799" />
            <stop offset="50%" stop-color="#224488" />
            <stop offset="100%" stop-color="#112266" />
        </linearGradient>
        <linearGradient id="my-cool-gradient-2" x2="1" y2="1">
            <stop offset="0%" stop-color="gold" />
            <stop offset="50%" stop-color="red" />
            <stop offset="100%" stop-color="#112266" />
        </linearGradient>
        linearGradient id="Darks">
    <stop class="stop1" offset="0%" />
    <stop class="stop2" offset="50%" />
    <stop class="stop3" offset="100%" />
</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 id="myLargerHeroRect" x="0" y="0" width="300" height="191" rx="5" ry="5"</pre>
class="card"/>
        <rect id="myPanel" x="0" y="0" width="300" height="30" rx="5" ry="5"
class="card"/>
    </defs>
            <style>
        #DocOps-f9f35601-1468-4c69-87b5-811ffc9fbc73 use { filter: drop-shadow(3px 5px 2px
rgb(0 0 0 / 0.1)); pointer-events: bounding-box; opacity: 1; }
        #DocOps-f9f35601-1468-4c69-87b5-811ffc9fbc73 use:hover { opacity: 0.9; -webkit
-animation: 0.5s draw linear forwards; animation: 0.5s draw linear forwards; }
        #DocOps-f9f35601-1468-4c69-87b5-811ffc9fbc73 .lineHead { fill: #cd9d72; font-
family: Helvetica, Arial, sans-serif; font-weight: bold; font-size: 9pt; }
        #DocOps-f9f35601-1468-4c69-87b5-811ffc9fbc73 .description { fill: #cd9d72; font-
family: Helvetica, Arial, sans-serif; font-size: 8pt; }
        #DocOps-f9f35601-1468-4c69-87b5-811ffc9fbc73 .category { fill: #cd9d72; font-
family: Helvetica, Arial, sans-serif; font-size: 8pt; font-weight: bold; font-style:
italic}
        #DocOps-f9f35601-1468-4c69-87b5-811ffc9fbc73 .title { fill: #cacaca; font-family:
Helvetica, Arial, sans-serif; font-weight: bold; font-style: normal; font-size: 9pt; }
```

```
#DocOps-f9f35601-1468-4c69-87b5-811ffc9fbc73 .author { font-family: Helvetica,
Arial, sans-serif; font-weight: normal; font-size: 8pt; fill: #cd9d72; }
        #DocOps-f9f35601-1468-4c69-87b5-811ffc9fbc73 .legendText { font-family: Helvetica,
Arial, sans-serif; font-weight: normal; font-size: 9pt; }
        #DocOps-f9f35601-1468-4c69-87b5-811ffc9fbc73 .date { fill: #cd9d72; font-family:
Helvetica, Arial, sans-serif; font-weight: normal; font-size: 10px; }
        @keyframes draw {
            0% { stroke-dasharray: 140 540; stroke-dashoffset: -474; stroke-width:3px; }
            100%{ stroke-dasharray: 760; stroke-dashoffset:0; stroke-width:5px; }
        }
        #DocOps-f9f35601-1468-4c69-87b5-811ffc9fbc73 .shape{ stroke:#cd9d72;}
.darks { fill: url(#Darks); }
#Darks .stop1 {stop-color: #282525;}
#Darks .stop2 {stop-color: #252424;}
#Darks .stop3 {stop-color: #1e1f22;}
#DocOps-f9f35601-1468-4c69-87b5-811ffc9fbc73 .btnclass1 {font-family:Arial, Helvetica,
sans-serif;font-size:11px;fill:#000000;letter-spacing:normal;}
</style><g><use x="10" y="10" class="card darks shape" 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 ">Google</tspan><tspan x="14" dy="16"
class="description">Google is is an American</tspan><tspan x="14" dy="16"
class="description ">multinational technology</tspan><tspan x="14" dy="16"
class="description ">company that specializes in</tspan><tspan x="14" dy="16"
class="description ">Internet-related services</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="12" dy="16" class="date">07/30/1998</tspan>
</text><use x="170" y="10" class="card darks shape" 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 ">Apple</tspan><tspan x="174" dy="16"
class="description">Apple Inc. is an American</tspan><tspan x="174" dy="16"
class="description ">multinational technology</tspan><tspan x="174" dy="16"
class="description ">company that specializes in</tspan><tspan x="174" dy="16"
class="description ">consumer electronics,</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="172" dy="16" class="date">01/30/1977</tspan>
</text><use x="330" y="10" class="card darks shape" 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 ">Microsoft</tspan><tspan x="334" dy="16"
class="description">Microsoft Corporation is an</tspan><tspan x="334" dy="16"
class="description ">American multinational</tspan><tspan x="334" dy="16"
class="description">technology corporation</tspan><tspan x="334" dy="16"
class="description ">which produces computer</tspan>
    <tspan x="334" dy="16" class="category">Software</tspan>
    <tspan x="334" dy="16" class="author ">Bill Gates</tspan>
    <tspan x="332" dy="16" class="date"></tspan>
</text><use x="490" y="10" class="card darks shape" 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 ">Amazon</tspan><tspan x="494" dy="16"
class="description">Amazon.com, Inc. is an</tspan><tspan x="494" dy="16"
class="description ">American multinational</tspan><tspan x="494" dy="16"
class="description">technology company which</tspan><tspan x="494" dy="16"
class="description ">focuses on e-commerce, cloud</tspan>
    <tspan x="494" dy="16" class="category">Super Store</tspan>
   <tspan x="494" dy="16" class="author ">Jeff Bezos</tspan>
    <tspan x="492" dy="16" class="date"></tspan>
</text></g><use x="10" y="170" class="card darks shape" 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 ">Netflix</tspan><tspan x="14" dy="16"
class="description">Netflix, Inc. is an American</tspan><tspan x="14" dy="16"
class="description">subscription streaming</tspan><tspan x="14" dy="16"
class="description">service and production</tspan><tspan x="14" dy="16"
class="description ">company.</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="12" dy="16" class="date"></tspan>
</text><use x="170" y="170" class="card darks shape" 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 ">Facebook</tspan><tspan x="174" dy="16"
class="description">Facebook is an American</tspan><tspan x="174" dy="16"
class="description ">online social media and</tspan><tspan x="174" dy="16"
class="description">social networking service</tspan><tspan x="174" dy="16"
class="description ">owned by Meta Platforms.</tspan>
   <tspan x="174" dy="16" class="category">Social Butterfly</tspan>
```

```
<tspan x="174" dy="16" class="author ">Mark Zukerberg</tspan>
    <tspan x="172" dy="16" class="date"></tspan>
</text><use x="330" y="170" class="card darks shape" 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 ">Instagram</tspan><tspan x="334" dy="16"
class="description">Instagram is an American</tspan><tspan x="334" dy="16"
class="description ">photo and video sharing</tspan><tspan x="334" dy="16"
class="description ">social networking service.</tspan>
    <tspan x="334" dy="16" class="category">Beach</tspan>
    <tspan x="334" dy="16" class="author ">Kevin</tspan><tspan x="334" dy="16"</pre>
class="author ">Mike</tspan>
    <tspan x="332" dy="16" class="date"></tspan>
</text></g></svg>
Table 5. slim pdf
```

Tuble 5. still_puj		
	Label	Link
[pancolor?color=%239cefc5&la bel=Google&fname=abc]   <em>http://localhost:8010/exten sion/api/panel/pancolor?color= %239cefc5&amp;label=Google&amp;fnam e=abc.svg</em>	Google	Google
[pancolor?color=%239cefc5&la bel=Apple&fname=abc]   <em>http://localhost:8010/exten sion/api/panel/pancolor?color= %239cefc5&amp;label=Apple&amp;fname =abc.svg</em>	Apple	Apple
[pancolor?color=%239cefc5&la bel=Microsoft&fname=abc]   <em>http://localhost:8010/exten sion/api/panel/pancolor?color= %239cefc5&amp;label=Microsoft&amp;fn ame=abc.svg</em>	Microsoft	Microsoft
[pancolor?color=%239cefc5&la bel=Amazon&fname=abc]   <em>http://localhost:8010/exten sion/api/panel/pancolor?color= %239cefc5&amp;label=Amazon&amp;fna me=abc.svg</em>	Amazon	Amazon

	Label	Link
[pancolor?color=%239cefc5&la bel=Netflix&fname=abc]   <em>http://localhost:8010/exten sion/api/panel/pancolor?color= %239cefc5&amp;label=Netflix&amp;fnam e=abc.svg</em>	Netflix	Netflix
[pancolor?color=%239cefc5&la bel=Facebook&fname=abc]   <em>http://localhost:8010/exten sion/api/panel/pancolor?color= %239cefc5&amp;label=Facebook&amp;fn ame=abc.svg</em>	Facebook	Facebook
[pancolor?color=%239cefc5&la bel=Instagram&fname=abc]   <em>http://localhost:8010/exten sion/api/panel/pancolor?color= %239cefc5&amp;label=Instagram&amp;f name=abc.svg</em>	Instagram	Instagram

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

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 {
               columns = 3
7
           }
           font {
8
               color = "#000000"
9
               bold = true
10
           }
11
```

```
12
           colorMap{
13
               color("#ff6385")
               color("#36a3eb")
14
               color("#9966ff")
15
16
               color("#ffcf56")
17
               color("#4bc0c0")
18
               color("#FDCBF1")
19
               color("#A6C1EE")
20
           }
21
       }
       large {
22
           link = "https://www.google.com"
23
24
           label = "Google"
25
           type = "Search"
           description = "Google is is an American multinational technology company
26
   that specializes in Internet-related services and products "
27
           date ="07/30/1998"
28
       }
29
       large {
           link = "https://www.apple.com"
30
           label = "Apple"
31
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 {
           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,
   personal computers, and related services."
41
       }
       large {
42
           link = "https://www.amazon.com"
43
44
           label = "Amazon"
           type = "Super Store"
45
           description = "Amazon.com, Inc. is an American multinational technology
46
   company which focuses on e-commerce, cloud computing, digital streaming, and
   artificial intelligence"
47
       }
       large {
48
           link = "https://www.netflix.com"
49
           label = "Netflix"
50
51
           type = "Movie Theater"
           description = "Netflix, Inc. is an American subscription streaming service
52
   and production company."
53
       large {
54
55
           link = "https://www.facebook.com"
```

```
label = "Facebook"
  56
             type = "Social Butterfly"
  57
             description = "Facebook is an American online social media and social
     networking service owned by Meta Platforms."
  59
         large {
  60
             link = "https://www.instagram.com"
  61
  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" id="Doc0ps-55902c90-eccd-42a4-</pre>
b2cd-6be0a10e3ac0"
                xmlns:xlink="http://www.w3.org/1999/xlink" viewBox="0 0 960 1410"
        <defs>
        <filter id="dropShadow" height="112%">
            <feGaussianBlur in="SourceAlpha" stdDeviation="1"/>
            <feOffset dx="1" dy="3" 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"</pre>
v1="40.053" x2="162.375" v2="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"</pre>
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"</pre>
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"</pre>
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"</pre>
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"</pre>
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>
        <linearGradient xmlns="http://www.w3.org/2000/svg" id="my-cool-gradient" x2="1"</pre>
v2="1">
            <stop offset="0%" stop-color="#447799"/>
            <stop offset="50%" stop-color="#224488"/>
            <stop offset="100%" stop-color="#112266"/>
        </linearGradient>
        <linearGradient xmlns="http://www.w3.org/2000/svg" id="my-warm-gradient" x2="1"</pre>
v2="1">
            <stop offset="0%" stop-color="#CC7744"/>
            <stop offset="50%" stop-color="#992244"/>
            <stop offset="100%" stop-color="#661133"/>
        </linearGradient>
        <linearGradient id="my-cool-gradient-1" x2="1" y2="1">
            <stop offset="0%" stop-color="#447799" />
            <stop offset="50%" stop-color="#224488" />
            <stop offset="100%" stop-color="#112266" />
        </linearGradient>
        <linearGradient id="my-cool-gradient-2" x2="1" y2="1">
            <stop offset="0%" stop-color="gold" />
            <stop offset="50%" stop-color="red" />
            <stop offset="100%" stop-color="#112266" />
        </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"</pre>
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 id="myLargerHeroRect" x="0" y="0" width="300" height="191" rx="5" ry="5"</pre>
class="card"/>
        <rect id="myPanel" x="0" y="0" width="300" height="30" rx="5" ry="5"
```

```
class="card"/>
    </defs>
        <style>
#DocOps-55902c90-eccd-42a4-b2cd-6be0a10e3ac0 rect.card {
    pointer-events: bounding-box;
    opacity: 1;
}
#DocOps-55902c90-eccd-42a4-b2cd-6be0a10e3ac0 rect.card:hover {
    opacity: 0.6;
}
#DocOps-55902c90-eccd-42a4-b2cd-6be0a10e3ac0 use.card {
    pointer-events: bounding-box;
    opacity: 1;
}
#DocOps-55902c90-eccd-42a4-b2cd-6be0a10e3ac0 use.card:hover {
    opacity: 0.6;
}
#DocOps-55902c90-eccd-42a4-b2cd-6be0a10e3ac0 .card {
    pointer-events: bounding-box;
    opacity: 1;
}
#DocOps-55902c90-eccd-42a4-b2cd-6be0a10e3ac0 .card:hover {
    opacity: 0.6;
#DocOps-55902c90-eccd-42a4-b2cd-6be0a10e3ac0 .headline {
    font-family: Helvetica, Arial, sans-serif;
    fill: #46494d;
}
#DocOps-55902c90-eccd-42a4-b2cd-6be0a10e3ac0 .link {
font-family: Helvetica, Arial, sans-serif;
    fill: #335D79;
#DocOps-55902c90-eccd-42a4-b2cd-6be0a10e3ac0 .description {
    font-size: 9pt;
    font-family: Helvetica, Arial, sans-serif;
#DocOps-55902c90-eccd-42a4-b2cd-6be0a10e3ac0 .category {
    font-size: 10pt;
    font-family: Helvetica, Arial, sans-serif;
#DocOps-55902c90-eccd-42a4-b2cd-6be0a10e3ac0 .longdesc {
    font-family: Helvetica, Arial, sans-serif;
    font-size: 9pt;
#DocOps-55902c90-eccd-42a4-b2cd-6be0a10e3ac0 .legendText {
    font-size: 9pt;
    font-family: Helvetica, Arial, sans-serif;
#DocOps-55902c90-eccd-42a4-b2cd-6be0a10e3ac0 .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"></text x="20" y="250" class="longdesc"></text x="20" y="250" class="longdesc"></text x="20" y="250" class="longdesc">

```
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"></text x="340" y="660" 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:#ff6385" class="card" xlink:href="#legendRect"/> <text x="30" y="1250" class="legendText">Search</text><use x="10" y="1260"</pre> 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"</pre> 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&la bel=Google&fname=abc]   <em>http://localhost:8010/exten sion/api/panel/pancolor?color= %23ff6385&amp;label=Google&amp;fnam e=abc.svg</em>	Google	Google
[pancolor?color=%2336a3eb&la bel=Apple&fname=abc]   <em>http://localhost:8010/exten sion/api/panel/pancolor?color= %2336a3eb&amp;label=Apple&amp;fnam e=abc.svg</em>	Apple	Apple
[pancolor?color=%239966ff&la bel=Microsoft&fname=abc]   <em>http://localhost:8010/exten sion/api/panel/pancolor?color= %239966ff&amp;label=Microsoft&amp;fn ame=abc.svg</em>	Microsoft	Microsoft
[pancolor?color=%23ffcf56&lab el=Amazon&fname=abc]   <em>http://localhost:8010/exten sion/api/panel/pancolor?color= %23ffcf56&amp;label=Amazon&amp;fna me=abc.svg</em>	Amazon	Amazon
[pancolor?color=%234bc0c0&la bel=Netflix&fname=abc]   <em>http://localhost:8010/exten sion/api/panel/pancolor?color= %234bc0c0&amp;label=Netflix&amp;fna me=abc.svg</em>	Netflix	Netflix
[pancolor?color=%23FDCBF1&l abel=Facebook&fname=abc]   <em>http://localhost:8010/exten sion/api/panel/pancolor?color= %23FDCBF1&amp;label=Facebook&amp;f name=abc.svg</em>	Facebook	Facebook
[pancolor?color=%23A6C1EE&l abel=Instagram&fname=abc]   <em>http://localhost:8010/exten sion/api/panel/pancolor?color= %23A6C1EE&amp;label=Instagram&amp; fname=abc.svg</em>	Instagram	Instagram

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, 1) {
 1 /= 100;
  const a = s * Math.min(l, 1 - l) / 100;
  const f = n \Rightarrow \{
    const k = (n + h / 30) % 12;
    const color = 1 - 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 9. Pipe Delimited Values

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

href="https://www.google.com" >[item?payload=H4sIAAAAAA A 1NwSs3JL6

RVtCuySgpKSi20tcvLy XS8 PT89J1UvOz60JcnWpccopTa0B AE8iGtsrAAAA&type=PDF&final pNQAAAA==&type=PDF&finaln name=abc 1678644815998]</a>

sion/api/badge/item?payload=H 4sIAAAAAAAA\_1NwSs3JL6\_RVt CuySgpKSi20tcvLy\_XS8\_PT89J1 UvOz60JcnWpccopTa0BAE8iGts rAAAA&type=PDF&finalname= abc\_1678644815998.png</em>

href="https://www.yahoo.com">

[item?payload=H4sIAAAAAAAA 1MISU3OyMtMTsypcUlNKqnJK CkpKLbS1y8vL9erTMzIz9dLzs tcfIJda3xD3L0c3etsXG2AwDjWs ame=abc 1678644815998]</a> | <em>http://localhost:8010/exten sion/api/badge/item?payload=H 4sIAAAAAAA\_1MISU3OyMtM TsypcUlNKqnJKCkpKLbS1y8vL 9erTMzIz9dLzstcfIJda3xD3L0c3etsXG2AwDjWs \_pNQAAAA==&type=PDF&final

/em>

href="https://www.yahoo.com"> [item?payload=H4sIAAAAAAAA 1NwLErOyCxJTS4pLUqtCUpNTs 7PTc1LSSzJzM8rrskoKSkottLXL y8v16tMzMjP1wNK1zj5hLrW Ac5 rm71tg42wEAd c3n0MAAAA=&type=PDF&final <em>http://localhost:8010/exten name=abc 1678644815998]</a>

<em>http://localhost:8010/exten sion/api/badge/item?payload=H 4sIAAAAAAA\_1NwLErOyCxJT S4pLUqtCUpNTs7PTc1LSSzJzM8 rrskoKSkottLXLy8v16tMzMjP1 name=abc\_1678644815998.png< wNK1zj5hLrW-Ac5rm71tg42wEAd\_c3n0MAAAA=& type=PDF&finalname=abc\_1678 644815998.png</em>

<a

href="https://www.yahoo.com"> [item?payload=H4sIAAAAAAAA 10ITMzIz69xy8xLzEtOrckoKSk ottLXLy8v16sEyegl5 fWKCcnu7klJ9cEhAYF LjW2DjbAQAuVB 9NwAAAA==&type=PDF&finaln ame=abc 1678644815998]</a> | <em>http://localhost:8010/exten sion/api/badge/item?payload=H 4sIAAAAAAA\_10ITMzIz69xy8 xLzEtOrckoKSkottLXLy8v16sEy egl5-fWKCcnu7klJ9cEhAYF-LjW2DjbAQAuVB\_9NwAAAA== &type=PDF&finalname=abc\_16 78644815998.png</em>