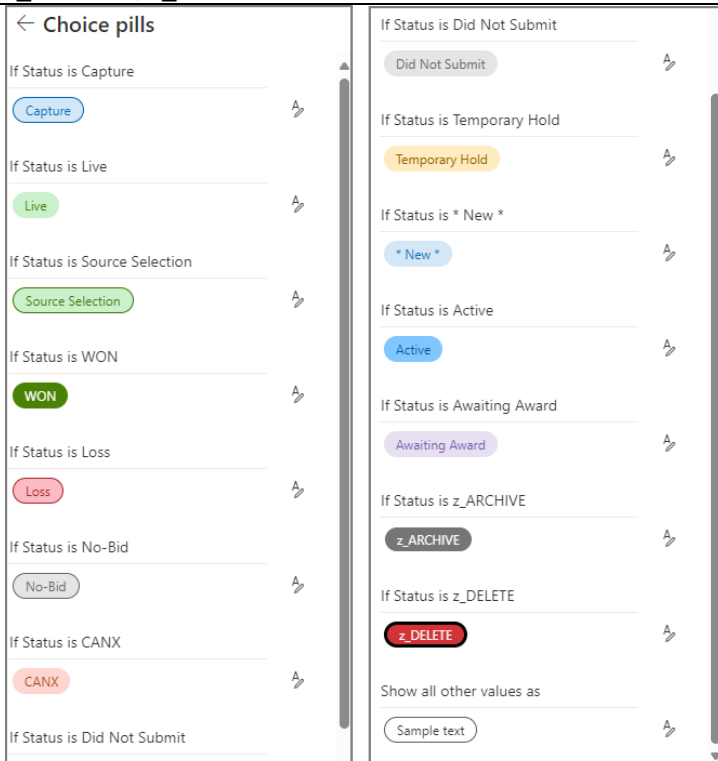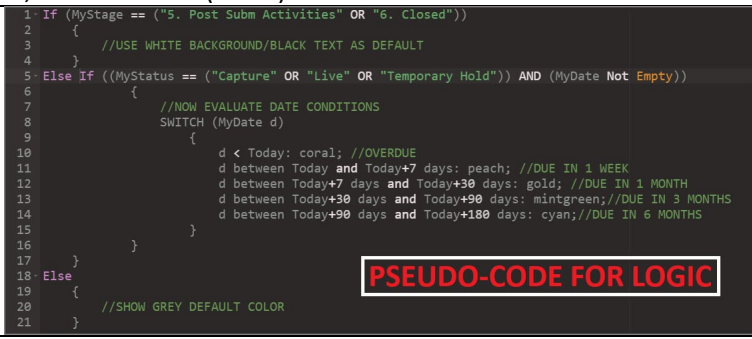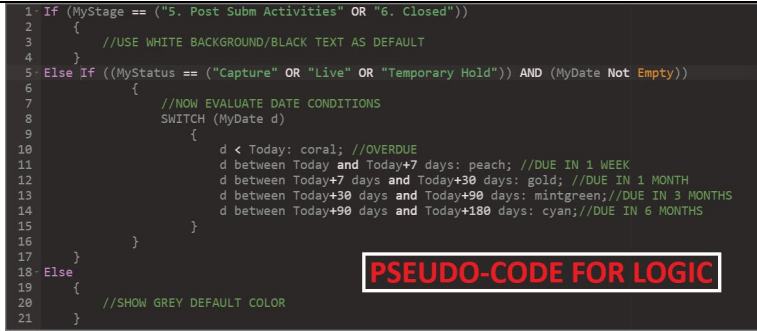# How do I use JSON Conditional Formatting in a SharePoint Online List to color-code dates 7, 30, 90, 180 days or more out? (Click to go to Question Activity)
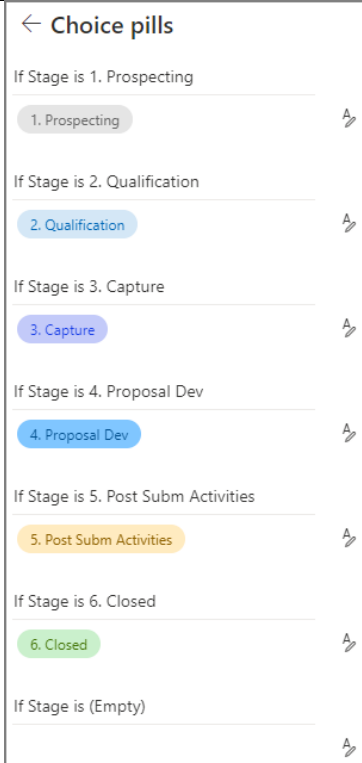
Column	Title
Type	Single Line of Text
Required	YES
Column Info	
JSON	N/A

Column	Status – I DO NOT NEED HELP WITH THIS COLUMN – IT WORKS FINE
Type	Choice
Required	YES
Column Info	Capture, Live, Source Selection, WON, Loss, No-Bid, CANX, Did Not Submit, Temporary Hold, * New *, z_ARCHIVE, z_DELETE
FORMAT	

Column	RFP Date – THIS IS THE FIRST COLUMN I NEED HELP WITH THE JSON
Type	Date and Time
Required	NO
Column Info	Date Only, Standard Format, Default Value (None)
LEGEND	
JSON	SEE Proposals_RFPDate_JSON.txt

The LEGEND section contains colored labels:
- EST RFP Release Has Passed
- EST RFP Release w/in 1 Week
- EST RFP Release w/in 1 Month
- EST RFP Release w/in 3 Months
- EST RFP Release w/in 6 Months

And pseudo-code:

```
1  If (MyStage == ("5. Post Subm Activities" OR "6. Closed"))
2      {
3          //USE WHITE BACKGROUND/BLACK TEXT AS DEFAULT
4      }
5  Else If ((MyStatus == ("Capture" OR "Live" OR "Temporary Hold")) AND (MyDate Not Empty))
6          {
7              //NOW EVALUATE DATE CONDITIONS
8              SWITCH (MyDate d)
9                  {
10                     d < Today: coral; //OVERDUE
11                     d between Today and Today+7 days: peach; //DUE IN 1 WEEK
12                     d between Today+7 days and Today+30 days: gold; //DUE IN 1 MONTH
13                     d between Today+30 days and Today+90 days: mintgreen;//DUE IN 3 MONTHS
14                     d between Today+90 days and Today+180 days: cyan;//DUE IN 6 MONTHS
15                 }
16             }
17      }
18  Else
19      {
20          //SHOW GREY DEFAULT COLOR
21      }
```

PSEUDO-CODE FOR LOGIC

Column	Submission Date – THIS IS THE SECOND COLUMN I NEED HELP WITH THE JSON
Type	Date and Time
Required	NO
Column Info	Date Only, Standard Format, Default Value (None)
LEGEND	
JSON	**SEE Proposals_SubmissionDate_JSON.txt**

```
1  If (MyStage == ("5. Post Subm Activities" OR "6. Closed"))
2    {
3         //USE WHITE BACKGROUND/BLACK TEXT AS DEFAULT
4    }
5  Else If ((MyStatus == ("Capture" OR "Live" OR "Temporary Hold")) AND (MyDate Not Empty))
6       {
7            //NOW EVALUATE DATE CONDITIONS
8            SWITCH (MyDate d)
9              {
10                  d < Today: coral; //OVERDUE
11                  d between Today and Today+7 days: peach; //DUE IN 1 WEEK
12                  d between Today+7 days and Today+30 days: gold; //DUE IN 1 MONTH
13                  d between Today+30 days and Today+90 days: mintgreen;//DUE IN 3 MONTHS
14                  d between Today+90 days and Today+180 days: cyan;//DUE IN 6 MONTHS
15               }
16        }
17    }
18 Else
19     {
20          //SHOW GREY DEFAULT COLOR
21     }
```

PSEUDO-CODE FOR LOGIC

Column	Stage – I DO NOT NEED HELP WITH THIS COLUMN – IT WORKS FINE
Type	Choice
Required	NO
Column Info	1. Prospecting, 2. Qualification, 3. Capture, 4. Proposal Dev, 5. Post Subm Activities, 6. Closed
FORMAT	This is the ACTUAL Conditional Formatting I'm using for this column.

The FORMAT image shows "Choice pills":

- If Stage is 1. Prospecting — 1. Prospecting
- If Stage is 2. Qualification — 2. Qualification
- If Stage is 3. Capture — 3. Capture
- If Stage is 4. Proposal Dev — 4. Proposal Dev
- If Stage is 5. Post Subm Activities — 5. Post Subm Activities
- If Stage is 6. Closed — 6. Closed
- If Stage is (Empty)

MORE COLUMNS ON NEXT PAGES…

Column	DaysSinceSubmitted – I'D ALSO LIKE HELP WITH THIS COLUMN SO I DON'T HAVE TO MANUALLY UPDATE THE [DaysSinceSubmitted_LastUpdatedOn] TO FORCE THE LIST ITEM TO UPDATE
Type	Calculated (calculation based on other columns)
Required	NO
Column Info	=IF(Stage="6. Closed",0,IF([Submission Date]="",0,IF([Submission Date]>=TODAY(),0,IF([Submission Date]=TODAY(),0,IF([Submission Date]<TODAY(),DATEDIF([Submission Date],TODAY(),"D"),8675309)))))
LEGEND	Submitted < 180 days ago Submitted 180 - 364 days ago Submitted 1 - 2 years ago Submitted 2 - 3 years ago Submitted > 3 years ago
JSON	(see below)

```
{
  "elmType": "div",
  "style": {
    "box-sizing": "border-box",
    "padding": "0 2px",
    "overflow": "hidden",
    "text-overflow": "ellipsis"
  },
  "attributes": {
   "class": {
    "operator": ":",
    "operands": [
      {
        "operator": "&&",
        "operands": [
         {
           "operator": ">=",
           "operands": [
            "[$DaysSinceSubmitted]",
            0
           ]
         },
         {
           "operator": "<=",
           "operands": [
            "[$DaysSinceSubmitted]",
            179
           ]
         }
        ]
      },
      "sp-css-backgroundColor-BgMintGreen sp-css-borderColor-MintGreenFont sp-css-color-MintGreenFont",
      {
        "operator": ":",
```

```
                    "operands": [
                     {
                       "operator": "&&",
                       "operands": [
                        {
                          "operator": ">=",
                          "operands": [
                           "[$DaysSinceSubmitted]",
                           180
                          ]
                        },
                        {
                          "operator": "<=",
                          "operands": [
                           "[$DaysSinceSubmitted]",
                           364
                          ]
                        }
                       ]
                     },
                     "sp-css-backgroundColor-BgCyan sp-css-borderColor-CyanFont sp-css-color-CyanFont",
                     {
                       "operator": ":",
                       "operands": [
                        {
                          "operator": "&&",
                          "operands": [
                           {
                             "operator": ">=",
                             "operands": [
                              "[$DaysSinceSubmitted]",
                              365
                             ]
                           },
                           {
                             "operator": "<=",
                             "operands": [
                              "[$DaysSinceSubmitted]",
                              729
                             ]
                           }
                          ]
                        },
                        "sp-css-backgroundColor-BgGold sp-css-borderColor-GoldFont sp-css-color-GoldFont",
                        {
                          "operator": ":",
                          "operands": [
                           {
                             "operator": "&&",
                             "operands": [
```

```
                {
                  "operator": ">=",
                  "operands": [
                    "[$DaysSinceSubmitted]",
                    730
                  ]
                },
                {
                  "operator": "<=",
                  "operands": [
                    "[$DaysSinceSubmitted]",
                    1094
                  ]
                }
              ]
            },
            "sp-css-backgroundColor-BgPeach sp-css-borderColor-PeachFont sp-css-color-PeachFont",
            {
              "operator": ":",
              "operands": [
                {
                  "operator": ">=",
                  "operands": [
                    "[$DaysSinceSubmitted]",
                    1095
                  ]
                },
                "sp-css-backgroundColor-BgCoral sp-css-borderColor-CoralFont sp-css-color-CoralFont",
                ""
              ]
            }
          ]
        }
      ]
    }
  ]
},
"txtContent": "[$DaysSinceSubmitted.displayValue]",
"rulesOrder": [
  4,
  3,
  0,
  1,
  2
],
"templateId": "ConditionalColumn"
}
```

Column	DaysSinceSubmitted_LastUpdatedOn
Type	Date and Time
Required	NO
Column Info	**I had to create this column because the DaysSinceSubmitted Calculated Column only changes when a record in the list is actually updated, so periodically I go in and MANUALLY update this column to the current date so the number in the DaysSinceSubmitted column will refresh!!!**
JSON	