# **App Variables**

## **App OnStart Variables and Collections formulas:**

Concurrent(

Set(varUser, User()),

Set(varColors,{TealDark:RGBA(0,98,129,1),TealBright:RGBA(28,181,216,1),GrayCharcoal:RGBA(62,67,74, 1),GrayMedium:RGBA(215,215,215,1),GrayLight:RGBA(245,245,245,1)}),

Set(isAdmin,CountRows('Tool Request Admins')>0),

ClearCollect(colRequests, 'Tool Design Support Requests'),

ClearCollect(colPhase,"Phase All"),ClearCollect(colStatus,"Status All"));

Concurrent(

Collect(colPhase,Choices('Tool Design Support Requests'.'Request Phase')),

Collect(colStatus,Choices('Tool Design Support Requests'.'Request Status')))

Some notes on the highlighted formulas above. I create a global variable of varUser OnStart of the app and add Microsoft365 Users as a data source. I like that I don't need to have an extra "Requestor" field as SharePoint captures the CreatedBy automatically. This approach also helps me with the security trimming aspects of the app. The Set(isAdmin,CountRows('Tool Request Admins')>0) idea came from a Reza Dorrani security trim video: <a href="https://www.youtube.com/watch?v=dlzOAbMjN7g">https://www.youtube.com/watch?v=dlzOAbMjN7g</a>

I also picked up the filter collection technique from a Reza Dorrani video: https://www.youtube.com/watch?v=pn50AKn3Q1Y

Setting a global variable for colors (you can do it for font settings as well) was suggested in a Matt Devaney/Reza video. The video is long, but packed with so many helpful tips it is totally worth watching!

https://www.youtube.com/watch?v=F67 sZYMC2E

## **Gallery Nav Icon OnSelect Variable:**

Set(varRecord, This Item); Navigate('Edit Request Screen', Transition. None)



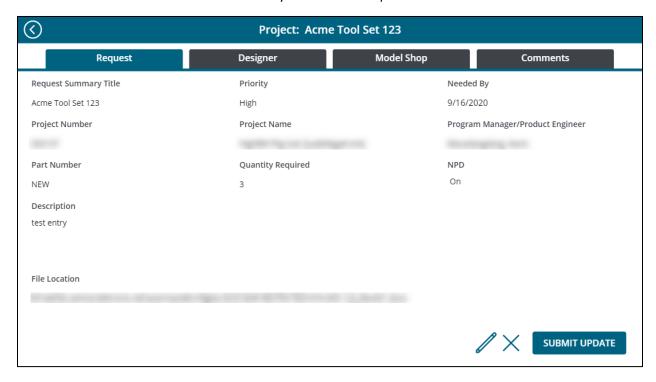
This tip came from a Shane Young video:

https://www.youtube.com/watch?v=UWy5I MulgU

The tip starts around 8:45. He has other helpful tips in the video as well.

#### **EDIT SCREEN**

When the user clicks the Nav arrow icon they land on the Request tab.



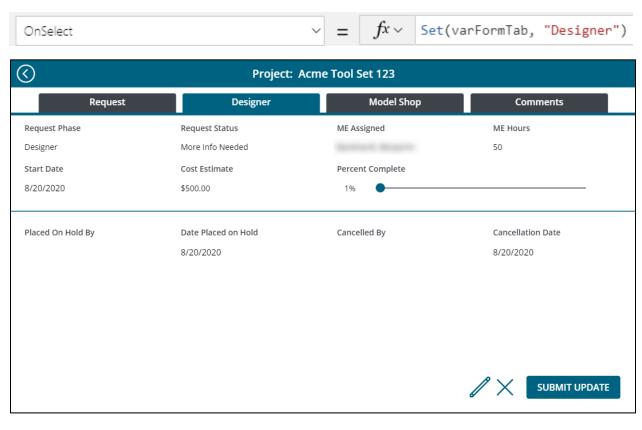
#### **EDIT SCREEN REQUEST TAB AND FORM VARIABLES**

**Request Tab** OnSelect property formula.



Since each tab has its own form, each tab also has its own Edit, Submit Update and Cancel icons/buttons. The Visible properties are currently set to varFormTab="Name of Tab". Obviously, not all 3 should be shown at once. I will likely be asking for help on a separate Forum ticket for advice on how to get them all working the way I need them to. If there were only a few fields, I would just show/hide fields of one form across tabs, but there are other requirements such as Requestors should be able to edit their Request and add Comments, but should not be able to see the Edit icon much less edit the forms on the Designer and Model Shop tabs. They can view the content.

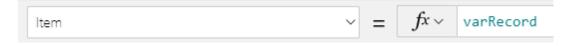
**Designer Tab** OnSelect property formula. The slider keeps reverting back to 1%. The gallery retains the value that was set, but when the Designer returns to the form, the slider goes back to 1%. On a side note, I will be introducing buttons with contextual variables to show/hide the "Placed on Hold" and "Cancelled" fields. As it stands now, Requestors could panic thinking their project has been placed on Hold or Cancelled since the date picker fields default to Today().



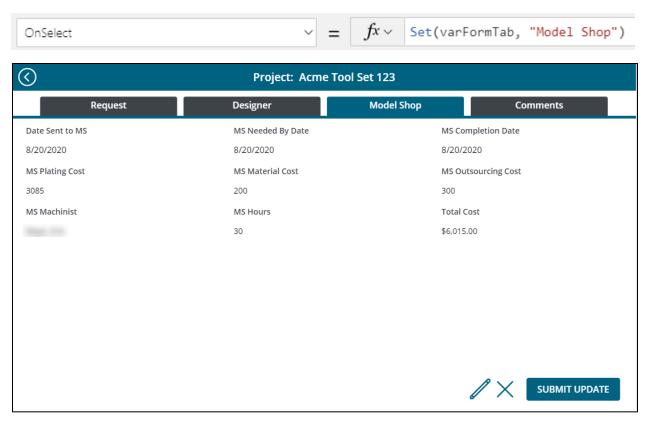
## The **Designer Form** Visible property:



## The **Designer Form** Item property:



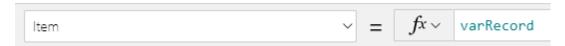
## Model Shop Tab OnSelect property formula.



## The Model Shop Form Visible property:



## The Model Shop Form Item property:

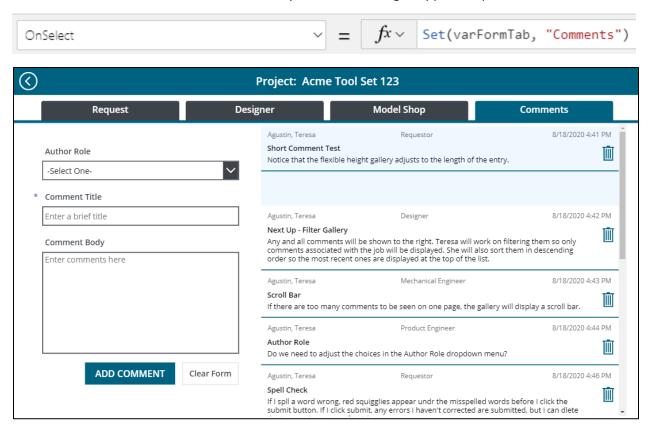


The Text property for the Total Cost field is:

Text(Sum(valPlatingCost + valMatCost + valOutCost) + (QtyMSHours \* 10.00), "[\$-en-US]\$###,###.00")

\$10.00 is a made-up number since I don't want to state the real number here. Even when the form is converted to Edit mode, the Total Cost field remains read-only. The math happens in real time as numbers are entered above. I plan to format them as currency, just haven't gotten to it yet.

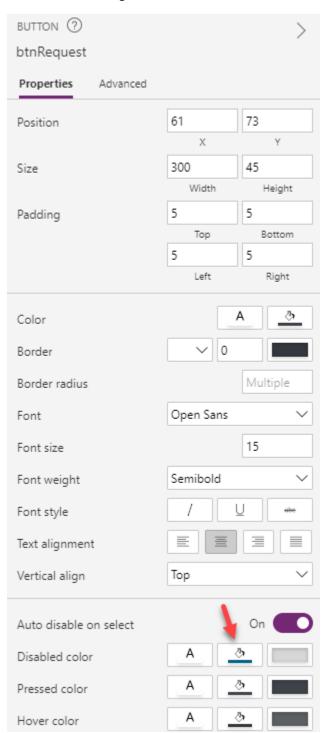
**Comments Tab** OnSelect property formula. The blue highlight looks funny in the screenshot below, but it renders correctly when you click from item to item in the adjustable height gallery. I have not figured out how to filter the gallery to only show items for the selected project. I'm still working on how to tie the child "Comments" SharePoint list with the parent "Tool Design Support Requests" SharePoint list.



#### The **Comments Form** and **Gallery** Visible property:



Here are the settings for each tab. Note that the Teal color is the DisabledFill color.



Here is the DisplayMode property formula.



As previously mentioned, my Brand color variables are set in the OnStart formula bar of the App (see page 1) which makes it really easy to reference them as needed.



To create the appearance of a tab, I inserted a button and set the RadiusTopLeft and RadiusTopRight properties to 5.

RadiusBottomLeft and RadiusBottomRight are set to 0.

Here is the Text Property formula for the label at the top. I haven't created a Component yet, but I will...

## "Project: " & galHome.Selected.'Request Summary Title'

I really like how it sets the project name in a dynamic way so the user has verification they are looking at the correct record. That tip came from a Brian of Pragmatic Works video on pop-up dialog boxes. I use this trick when asking users to confirm deletion of an item. Note that I am not bothering to do that with the little trash icon next to comments in this particular gallery.

## https://www.youtube.com/watch?v=SaDEVOgOIYY

Tip is shown around 3:36



I hope these tips help whoever might stumble across this document.