



SINTEX PRODUCTION

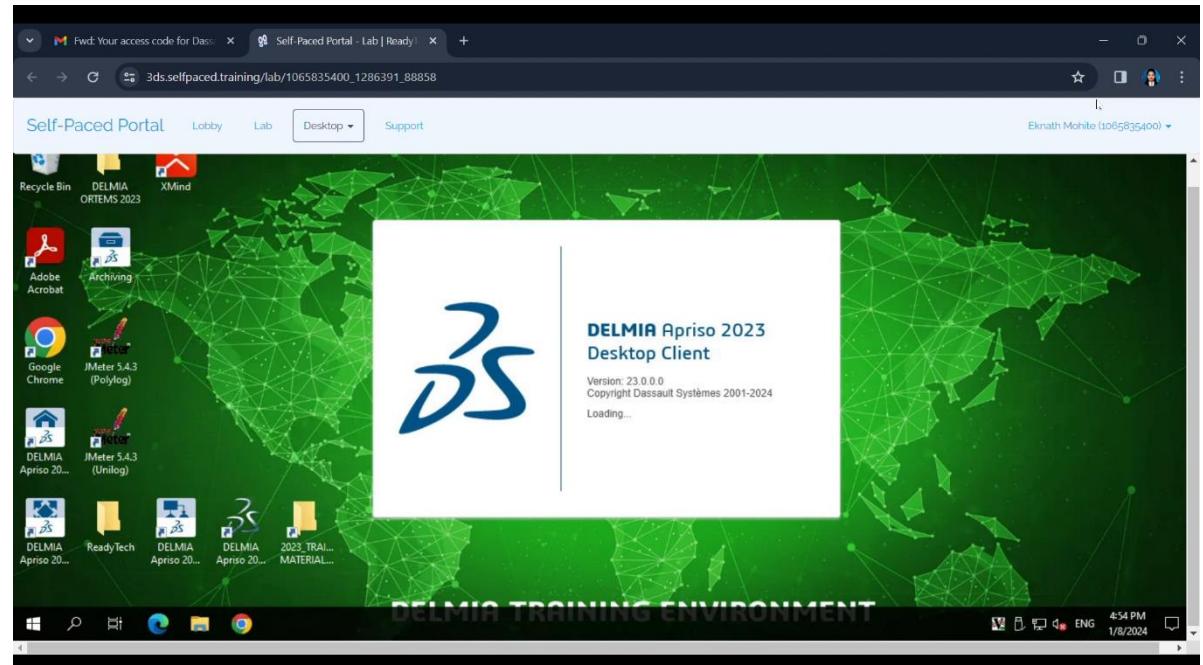
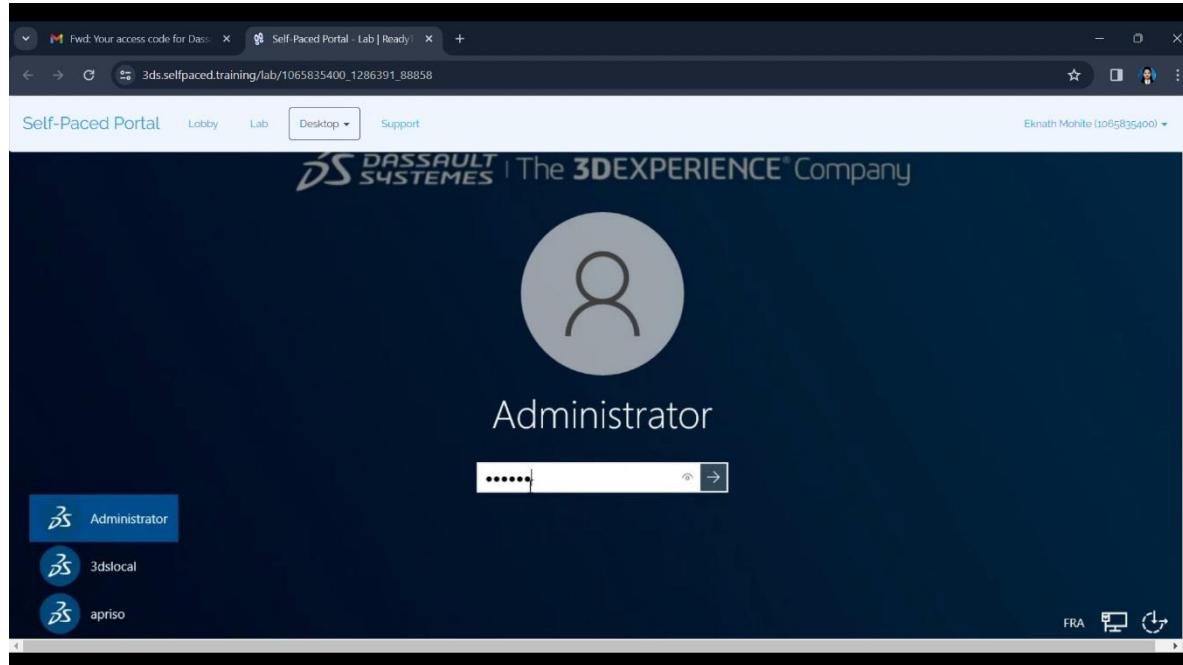


PRODUCTION ORDER START

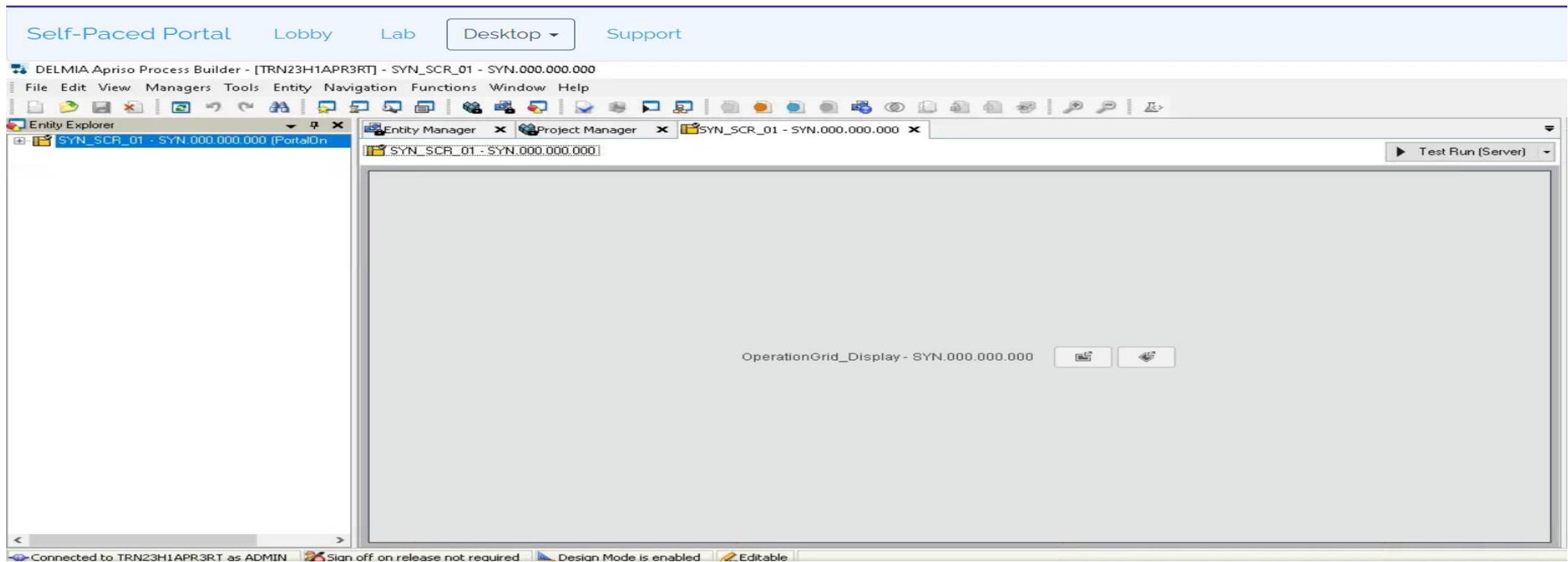
Synthocraft is a leading manufacturing company specializing in sintex water tank 1000 ltrs, utilizing advanced technology and quality to deliver products that exceed customer expectations. Their dedicated team ensures precision in design, production, and distribution.



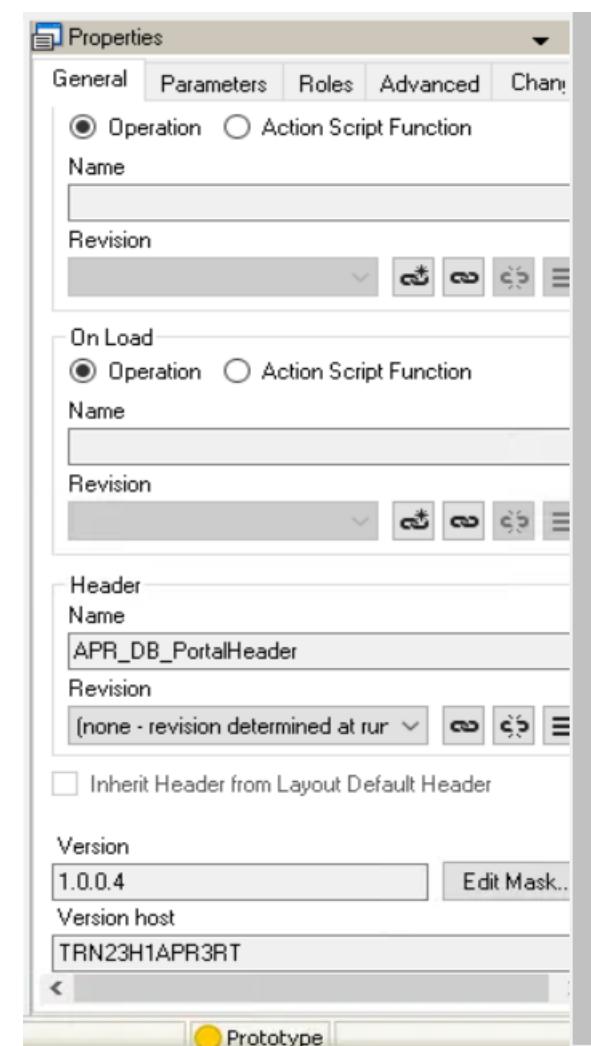
- 3DS Self paced Learning Portal and login into Administrator with the credentials.
- Open - DELMIA Apriso Desktop Client



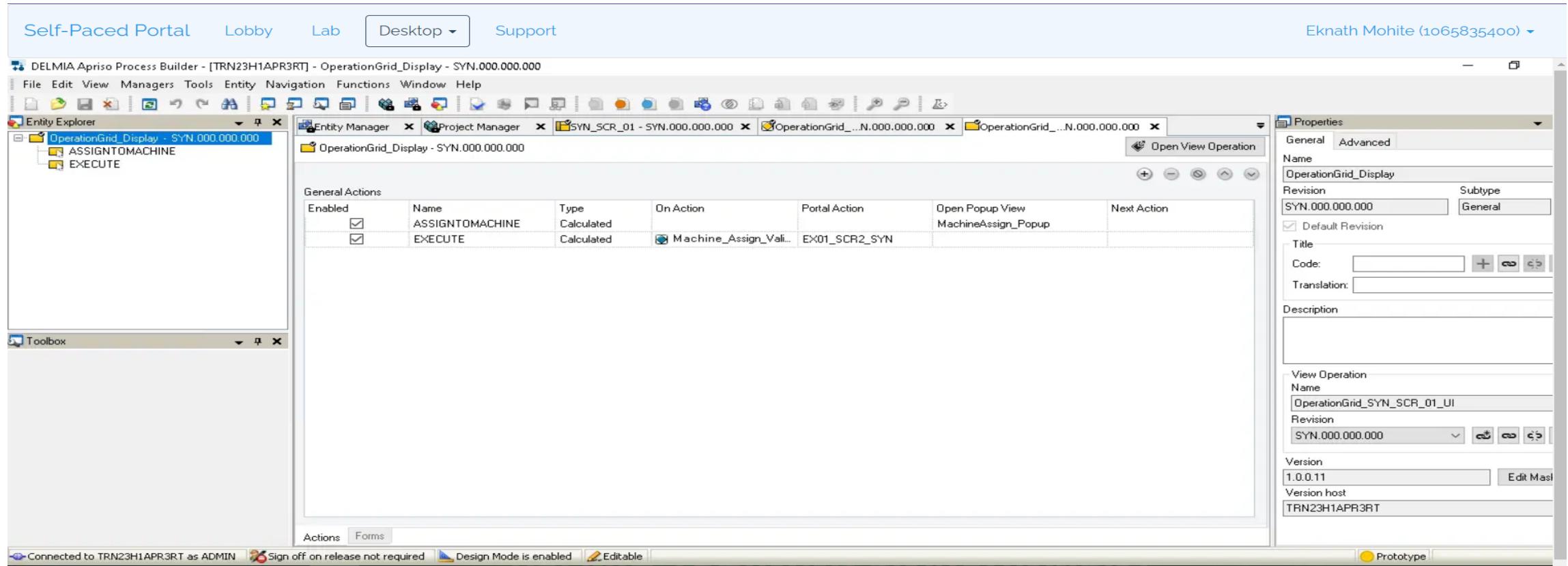
→ New screen with portalnewwindow layout is created with name SYN_SCR_01.



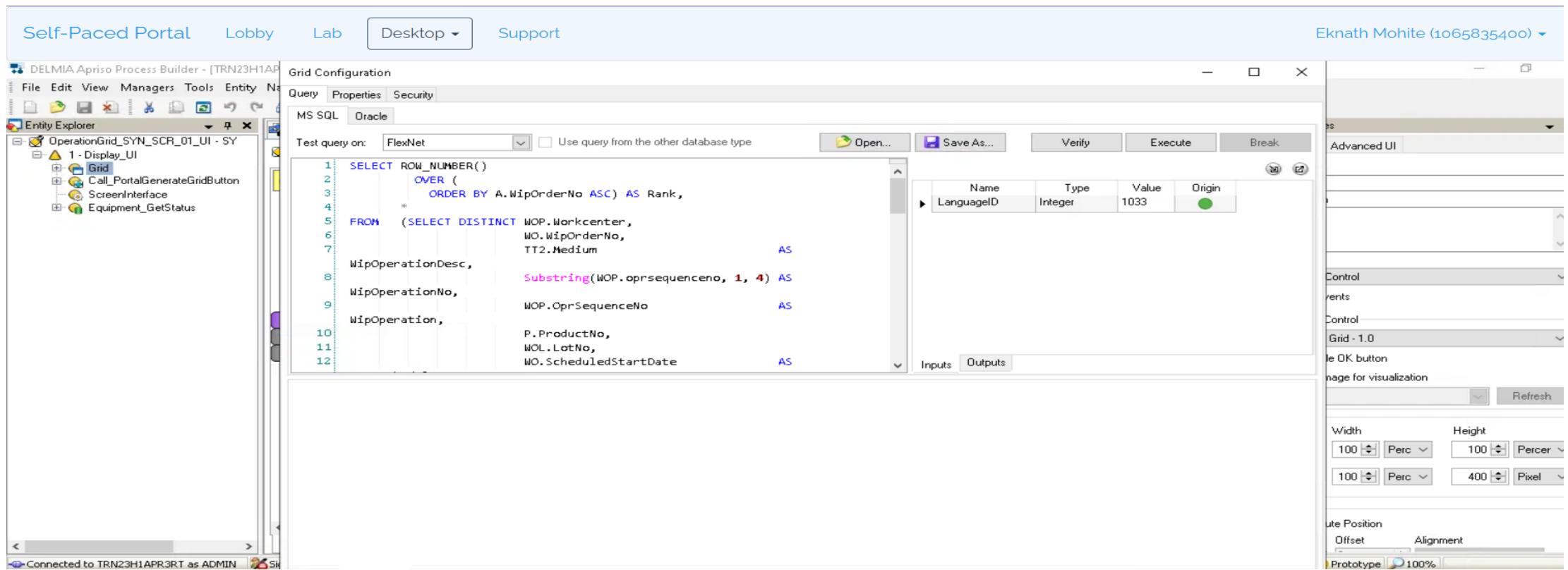
- Within the properties of screen layout portal one window is linked.
- Within the same properties header is also linked.



Now with that portal one window that is named as Operation Grid Display, two button are added named as assign to machine and execute.



CSS is also added within the same screen's HTML Layout Editor.



Below changes are done within the view operation → grid configuration → columns..

The image displays two side-by-side grid configuration interfaces, likely from a software application for managing data views.

Left Grid Configuration:

- Members:** A list of 15 items, with item 1 ('Rank') selected and highlighted in blue.
- Rank properties:**
 - Basic Options:** Column Type is set to **ID**, Data is **Rank**.
 - Display/Editability:** Grid Mode is **Hide**, Pop-up Mode is **Hide**. Other settings include **Default** for Edit/Filter Control, **Text** for Display Type, and **{0}** for Display Template.

Right Grid Configuration:

- Grid Column Editor:** Shows the same list of 15 items, with item 15 ('Status Flag') selected and highlighted in blue.
- Status Flag properties:**
 - Basic Options:** Column Type is set to **ID**, Data is **StatusFlag**.
 - Display/Editability:** Grid Mode is **Hide**, Pop-up Mode is **Hide**. Other settings include **Default** for Edit/Filter Control, **Text** for Display Type, and **{0}** for Display Template.

Below changes are done within the view operation → grid configuration → columns..

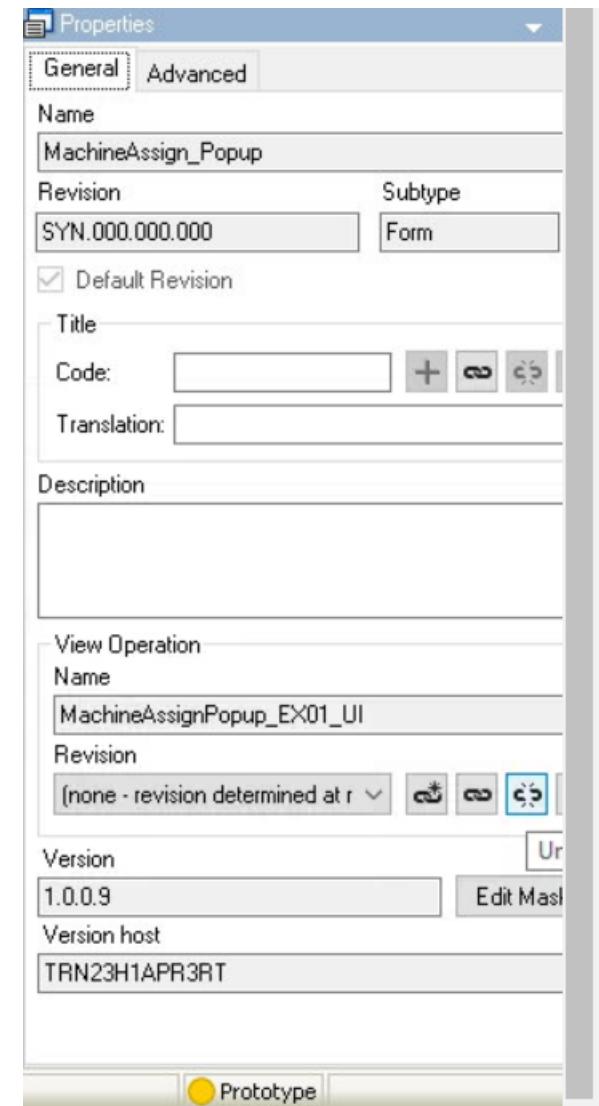
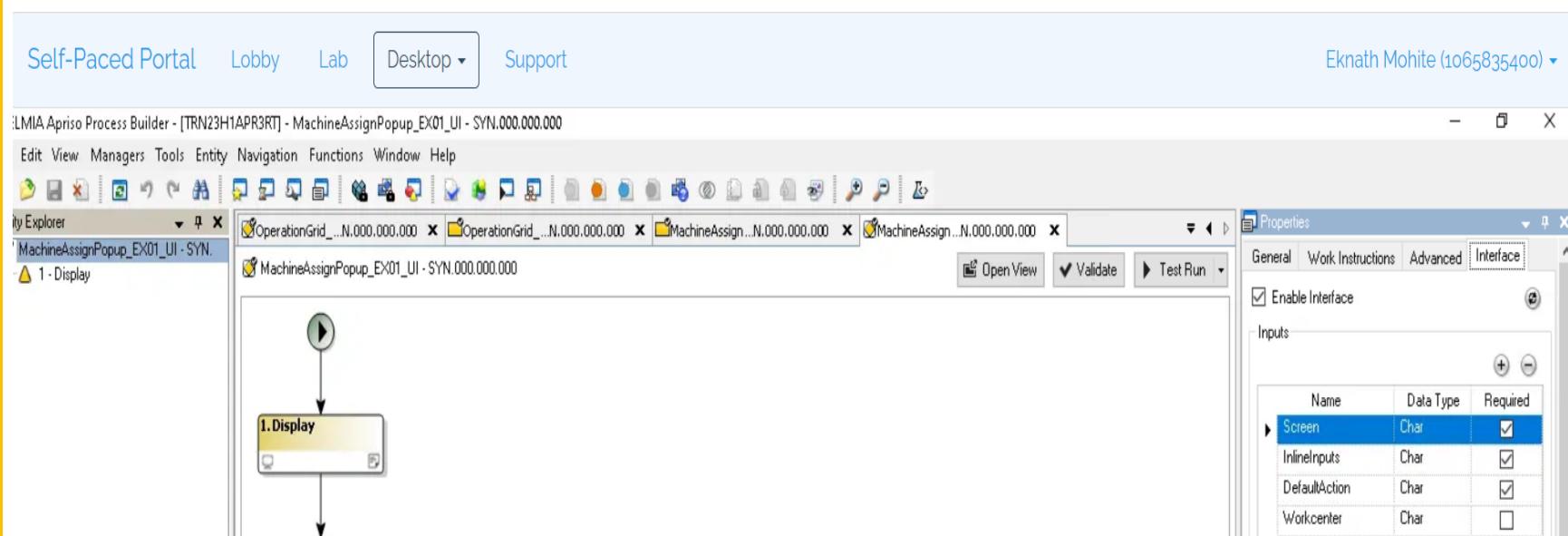
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| <table border="1"> <tr><td>12 Target Qty</td><td>External</td><td>True</td></tr> <tr><td>13 Scrap Qty</td><td colspan="2">Display/>Editability</td></tr> <tr><td>14 Wip Order Type</td><td>Grid Mode</td><td>Display</td></tr> <tr><td>15 Status Flag</td><td>Pop-up Mode</td><td>Display</td></tr> <tr><td></td><td>Edit/Filter Control</td><td>Default</td></tr> <tr><td></td><td>Display Type</td><td>Text</td></tr> <tr><td></td><td>Display Template</td><td>{0:0.000}</td></tr> <tr><td></td><td>Read-Only Control Column</td><td>None</td></tr> <tr><td></td><td>Initial Value</td><td>0</td></tr> <tr><td></td><td>> Auto Refresh Action</td><td>None</td></tr> <tr><td></td><td>> Change/Click Action</td><td>None</td></tr> </table> | 12 Target Qty | External | True | 13 Scrap Qty | Display/>Editability | | 14 Wip Order Type | Grid Mode | Display | 15 Status Flag | Pop-up Mode | Display | | Edit/Filter Control | Default | | Display Type | Text | | Display Template | {0:0.000} | | Read-Only Control Column | None | | Initial Value | 0 | | > Auto Refresh Action | None | | > Change/Click Action | None | <table border="1"> <tr><td>11 Already Produced Qty</td><td>External</td><td>True</td></tr> <tr><td>12 Target Qty</td><td colspan="2">Display/>Editability</td></tr> <tr><td>13 Scrap Qty</td><td>Grid Mode</td><td>Display</td></tr> <tr><td>14 Wip Order Type</td><td>Pop-up Mode</td><td>Display</td></tr> <tr><td>15 Status Flag</td><td>Edit/Filter Control</td><td>Default</td></tr> <tr><td></td><td>Display Type</td><td>Text</td></tr> <tr><td></td><td>Display Template</td><td>{0:0.000}</td></tr> <tr><td></td><td>Read-Only Control Column</td><td>None</td></tr> <tr><td></td><td>Initial Value</td><td>0</td></tr> <tr><td></td><td>> Auto Refresh Action</td><td>None</td></tr> <tr><td></td><td>> Change/Click Action</td><td>None</td></tr> </table> | 11 Already Produced Qty | External | True | 12 Target Qty | Display/>Editability | | 13 Scrap Qty | Grid Mode | Display | 14 Wip Order Type | Pop-up Mode | Display | 15 Status Flag | Edit/Filter Control | Default | | Display Type | Text | | Display Template | {0:0.000} | | Read-Only Control Column | None | | Initial Value | 0 | | > Auto Refresh Action | None | | > Change/Click Action | None | <table border="1"> <tr><td>11 Already Produced Qty</td><td>External</td><td>True</td></tr> <tr><td>12 Target Qty</td><td colspan="2">Display/>Editability</td></tr> <tr><td>13 Scrap Qty</td><td>Grid Mode</td><td>Display</td></tr> <tr><td>14 Wip Order Type</td><td>Pop-up Mode</td><td>Display</td></tr> <tr><td>15 Status Flag</td><td>Edit/Filter Control</td><td>Default</td></tr> <tr><td></td><td>Display Type</td><td>Text</td></tr> <tr><td></td><td>Display Template</td><td>{0:0.000}</td></tr> <tr><td></td><td>Read-Only Control Column</td><td>None</td></tr> <tr><td></td><td>Initial Value</td><td>0</td></tr> <tr><td></td><td>> Auto Refresh Action</td><td>None</td></tr> <tr><td></td><td>> Change/Click Action</td><td>None</td></tr> </table> | 11 Already Produced Qty | External | True | 12 Target Qty | Display/>Editability | | 13 Scrap Qty | Grid Mode | Display | 14 Wip Order Type | Pop-up Mode | Display | 15 Status Flag | Edit/Filter Control | Default | | Display Type | Text | | Display Template | {0:0.000} | | Read-Only Control Column | None | | Initial Value | 0 | | > Auto Refresh Action | None | | > Change/Click Action | None |
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| | Edit/Filter Control | Default | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Display Type | Text | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Display Template | {0:0.000} | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Read-Only Control Column | None | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Initial Value | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | > Auto Refresh Action | None | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | > Change/Click Action | None | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | Display Type | Text | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Display Template | {0:0.000} | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | > Auto Refresh Action | None | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | Display Template | {0:0.000} | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Read-Only Control Column | None | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Initial Value | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | > Auto Refresh Action | None | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | > Change/Click Action | None | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 13 Scrap Qty | Grid Mode | Display | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 Wip Order Type | Pop-up Mode | Display | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 Status Flag | Edit/Filter Control | Default | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Display Type | Text | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Display Template | {0:0.000} | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Read-Only Control Column | None | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Initial Value | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | > Auto Refresh Action | None | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | > Change/Click Action | None | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 Already Produced Qty | External | True | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 Target Qty | Display/>Editability | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 Scrap Qty | Grid Mode | Display | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 Wip Order Type | Pop-up Mode | Display | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 Status Flag | Edit/Filter Control | Default | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Display Type | Text | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Display Template | {0:0.000} | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Read-Only Control Column | None | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Initial Value | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | > Auto Refresh Action | None | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | > Change/Click Action | None | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 Already Produced Qty | External | True | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 Target Qty | Display/>Editability | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 Scrap Qty | Grid Mode | Display | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 Wip Order Type | Pop-up Mode | Display | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 Status Flag | Edit/Filter Control | Default | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Display Type | Text | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Display Template | {0:0.000} | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Read-Only Control Column | None | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Initial Value | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | > Auto Refresh Action | None | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | > Change/Click Action | None | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Below changes are done within the view operation →grid configuration→ buttons..

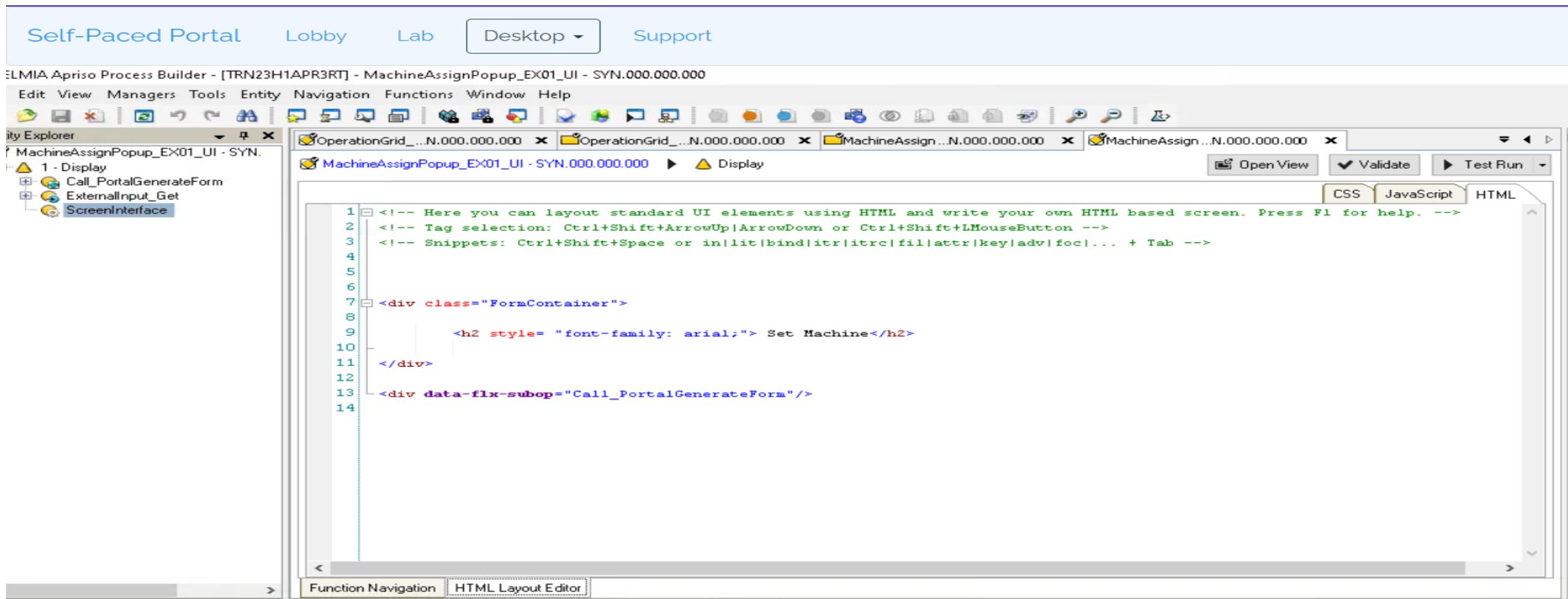
| | | |
|----------------------------|--------------------------|--------------------------|
| 0 Assign/ Unassign machine | Main Options | |
| 1 Execute | Key | ASSIGNTOMACHINE |
| | Action | Script |
| | Script | |
| | Label | Assign/ Unassign machine |
| | Tooltip | Assign/ Unassign machine |
| | Confirmation Text | |
| | Icon | |
| | Visible | True |
| | Position | Top right |
| | Availability Mode | Always |
| | After Click Action | Submit |
| | CSS Class Name | |
| | Inline Attributes | |
| | Read-Only Control Column | |
| | Keyboard Shortcut | |

| | | |
|----------------------------|--------------------------|-----------|
| 0 Assign/ Unassign machine | Main Options | |
| 1 Execute | Key | EXECUTE |
| | Action | Script |
| | Script | |
| | Label | Execute |
| | Tooltip | Execute |
| | Confirmation Text | |
| | Icon | |
| | Visible | True |
| | Position | Top right |
| | Availability Mode | Always |
| | After Click Action | Submit |
| | CSS Class Name | |
| | Inline Attributes | |
| | Read-Only Control Column | |
| | Keyboard Shortcut | |

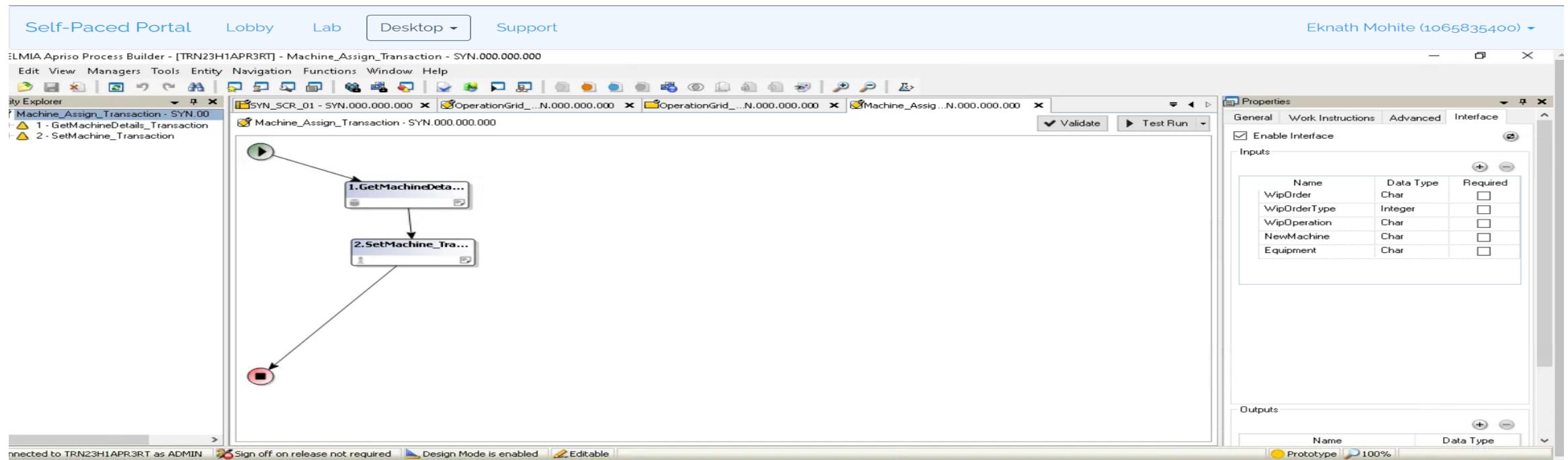
- Within machine assign popup that is linked in open pop up view of assign to machine button in operation grid display, within view operation machine assign popup ex01 UI is linked.
- Then within that input is added in interface tab in properties.



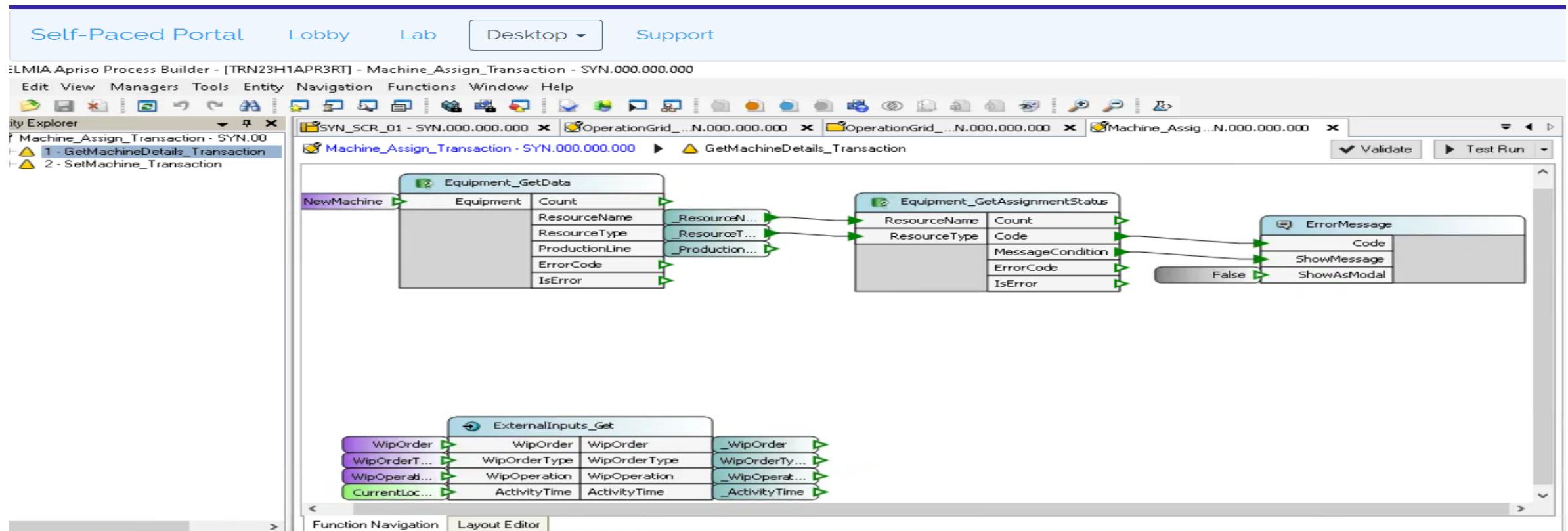
Again within the same view operation html code is added.



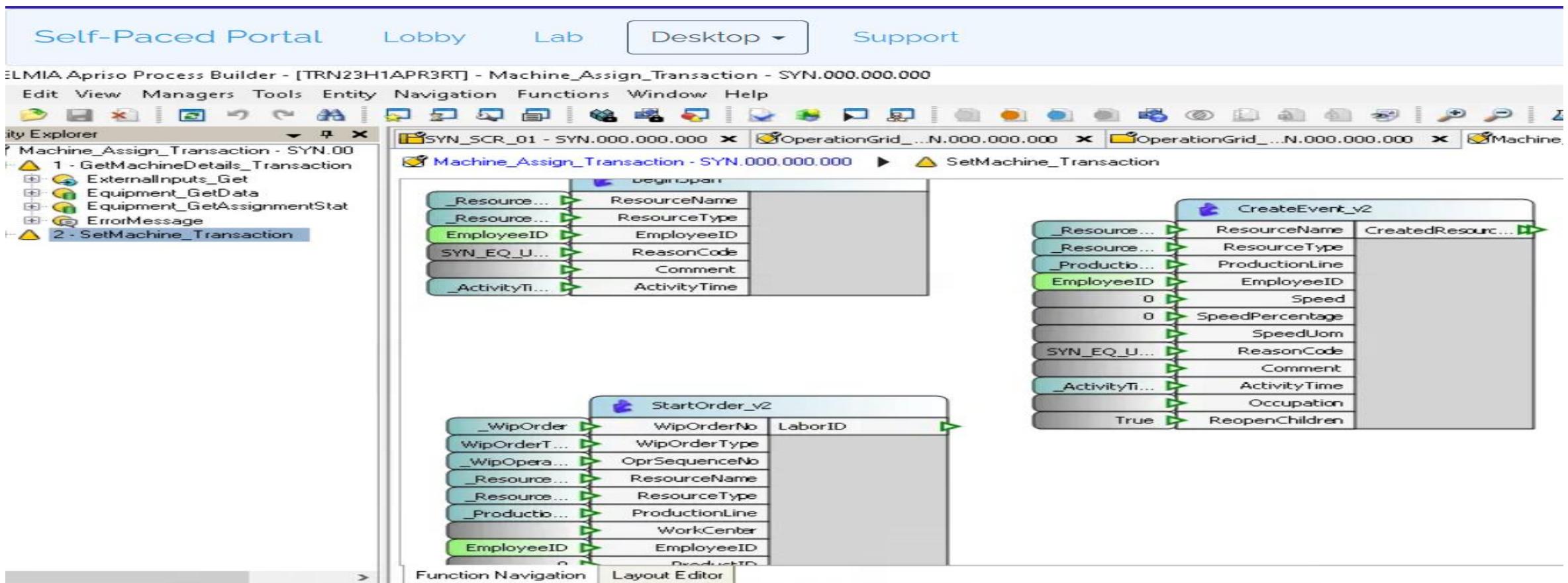
A new operation with below configuration is made.



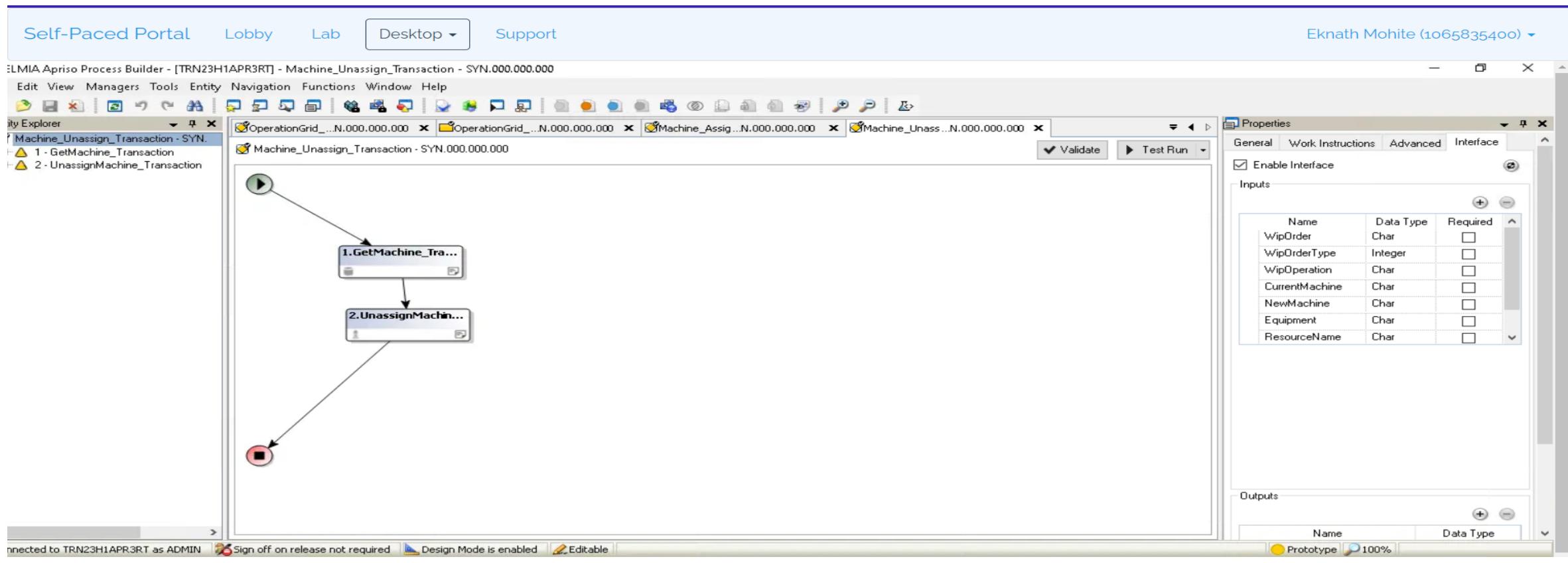
Within get machine below given functions are dragged and dropped and named accordingly.



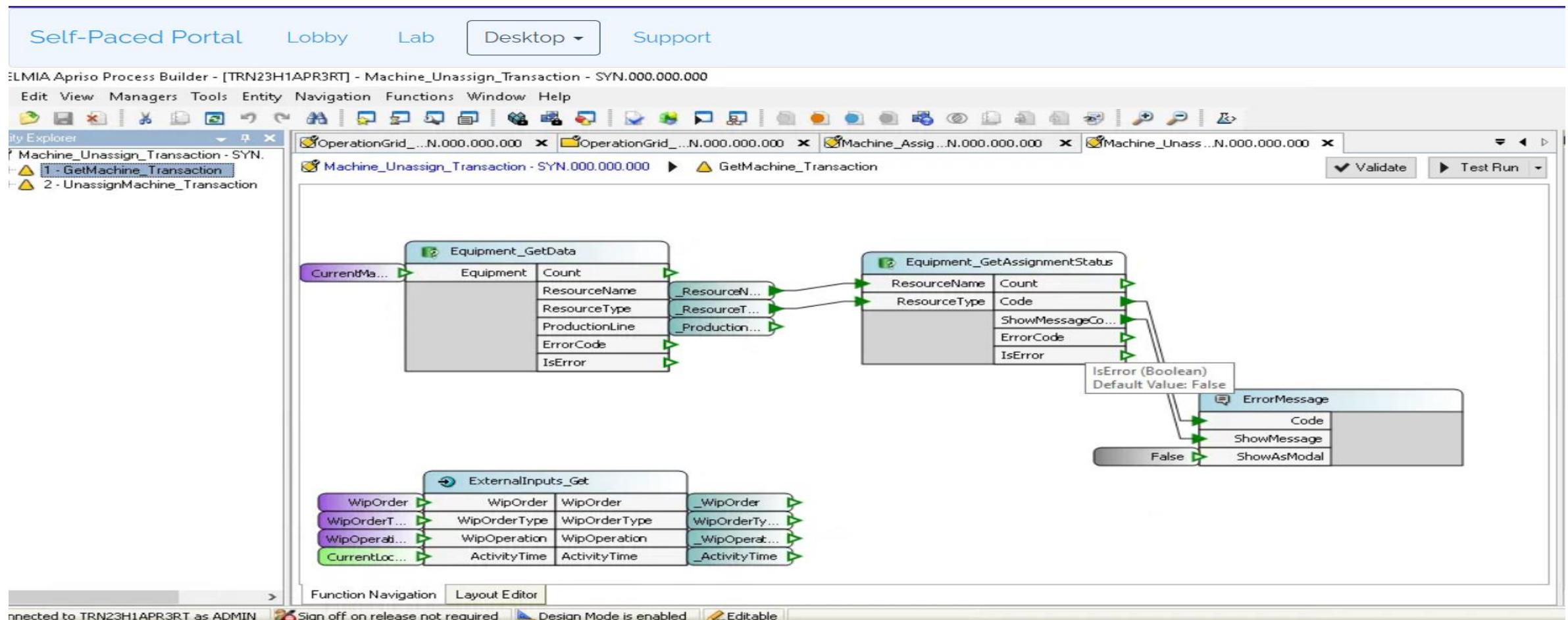
Within set machine below given functions are dragged and dropped and named accordingly..



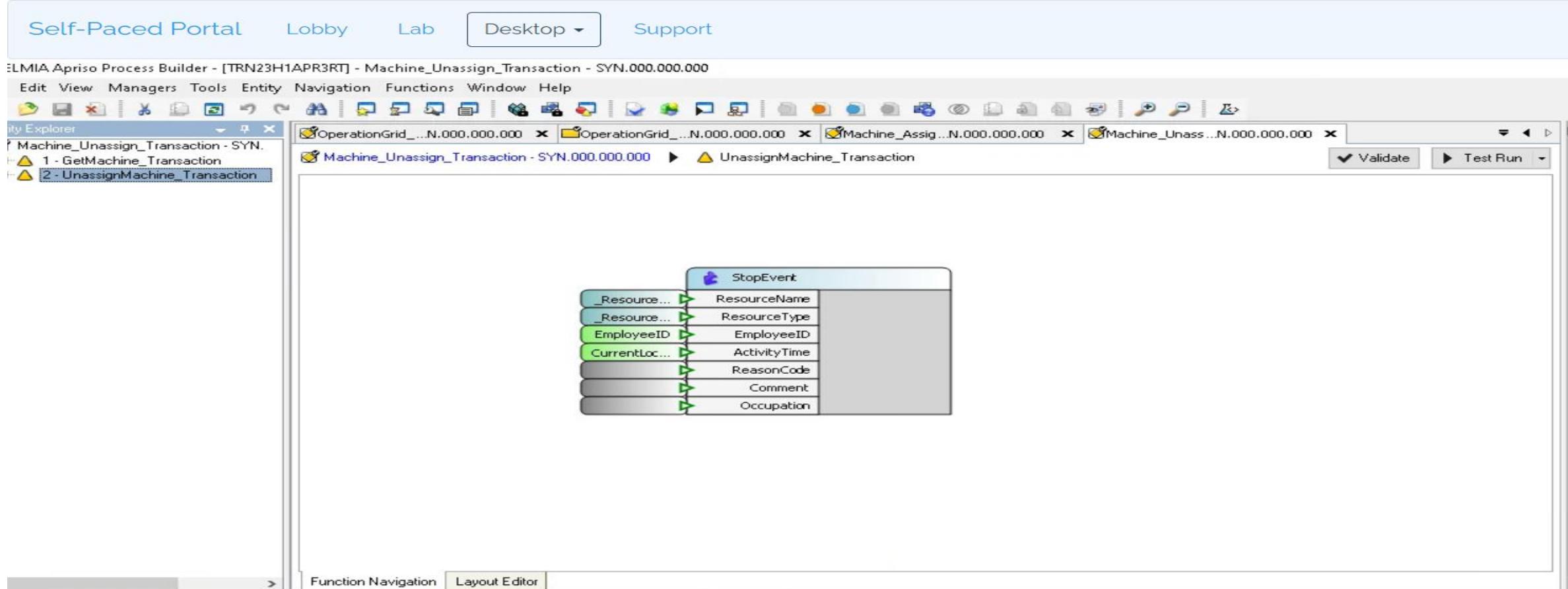
A new operation with below configuration is made.



Within get machine below given functions are dragged and dropped and named accordingly.



Within unassign machine below given functions are dragged and dropped and named accordingly.



Test run the screen to get following output

Task List

Profile: Default Profile

SYN_SCR_01 2:51:48 PM

Assign/ Unassign machine Execute

| ProductNo | Workcenter | Wip Order # | Wip Operation Desc | Wip Operation # | Wip Operation | Lot # | Date Schedule |
|-----------|------------|-------------|--------------------|-----------------|----------------|--------------|---------------|
| Sintex_FP | Furnace_WC | PRD001 | Mixing | 0010 | 0010@100000153 | SintexLot001 | |
| Sintex_FP | Furnace_WC | PRD001 | Mixing | 0010 | 0010@100000153 | SintexLot001 | |
| Sintex_FP | Furnace_WC | PRD001 | Mixing | 0010 | 0010@100000153 | SintexLot001 | |

Not filtered Not filtered Not filtered

DEBUG (APR.006.002)
t= 1705762237521 ms.

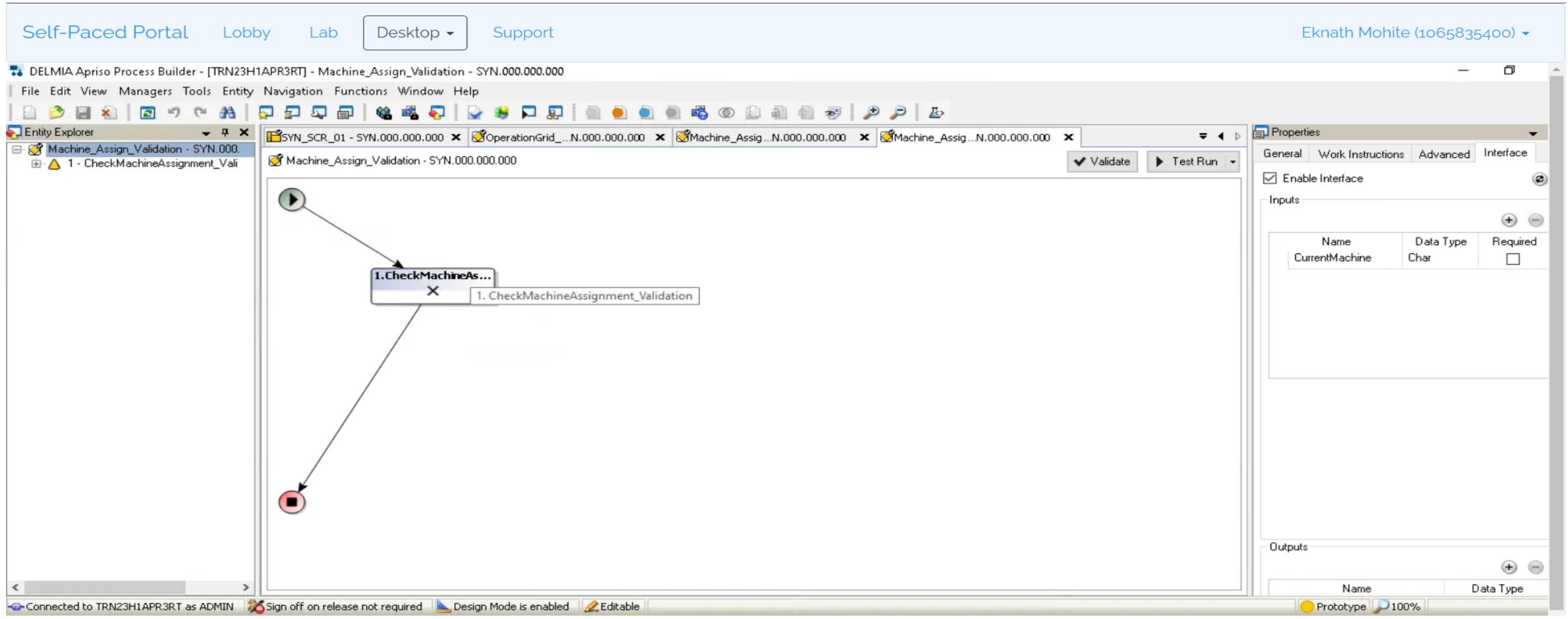
Session Variables Debug Results

Connected to TRN23H1APR3RT as ADMIN Sign off on release not required Design Mode is enabled Read-only

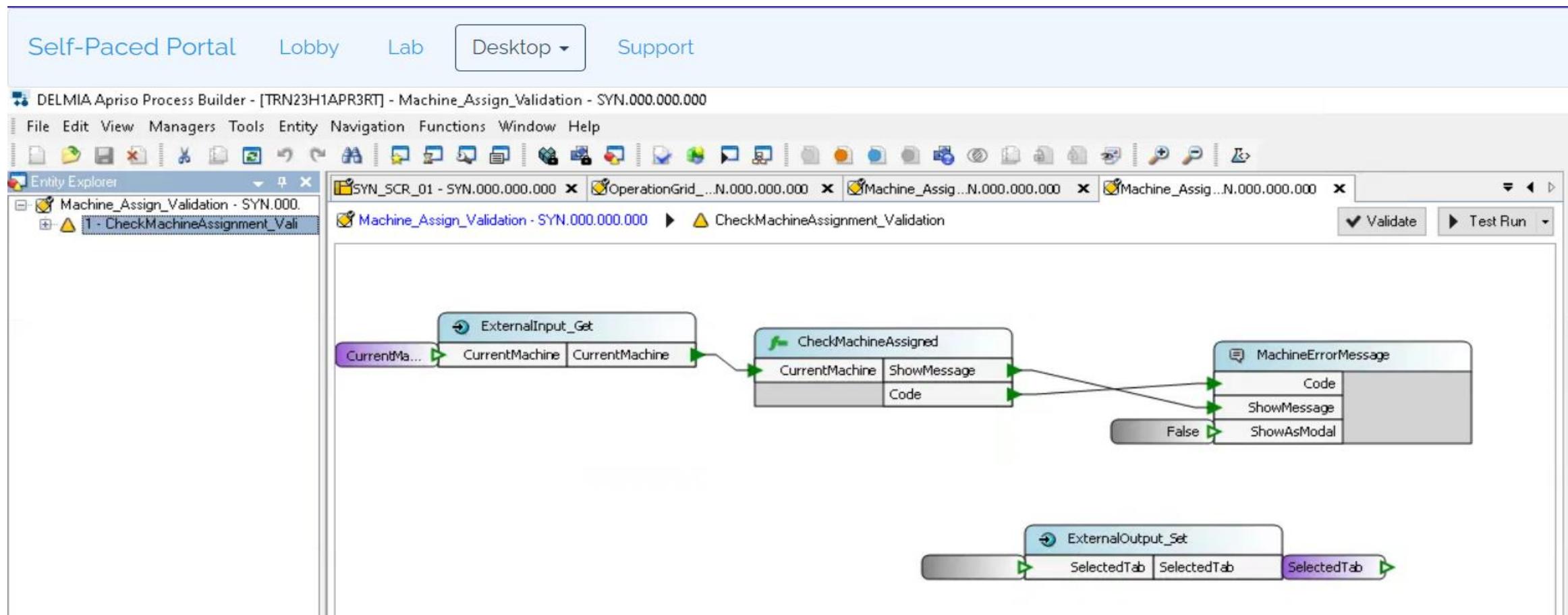
Prototype

| Name | Value |
|----------------|---------|
| WORKCENTER | |
| WIPORDERTYPE | -1 |
| WIPORDERNO | |
| WEBADDRESS | TRN23H |
| VIEWID | |
| TRANSLATIONMO | True |
| THEME | Default |
| TASKID | 1000012 |
| STEPSEQUENCEN | 6 |
| STEPID | 1000046 |
| SCREENID | 0 |
| REASONCODE | |
| PROCESSREVISIO | |
| PROCESSOPERAT | -1 |
| PROCESSID | -1 |
| PLATFORM | Desktop |
| OPRSEQUENCEN | |

Create a new view as below.



Within the step drag and drop the below functions..



Link the newly created operations and views according to the screenshot and publish the screen as flex part.

The screenshot shows the DELMIA Apriso Process Builder interface. The main window displays the 'General Actions' grid under the 'OperationGrid_Display - SYN.000.000.000' tab. The grid contains two rows of actions:

| Enabled | Name | Type | On Action | Portal Action | Open Popup View | Next Action |
|-------------------------------------|-----------------|------------|------------------------|---------------|---------------------|-------------|
| <input checked="" type="checkbox"/> | ASSIGNTOMACHINE | Calculated | | | MachineAssign_Popup | |
| <input checked="" type="checkbox"/> | EXECUTE | Calculated | Machine_Assign_Vali... | EX01_SCR2_SYN | | |

The 'Properties' panel on the right shows the configuration for the 'EXECUTE' action. The 'Name' is set to 'Machine_Assign_Validation'. The 'Action' dropdown is set to '(none - revision determined)'. The 'Portal Action' dropdown is set to 'Go to Screen'. The 'Name' field for the portal action is 'EX01_SCR2_SYN'. The 'Availability mode' is set to 'Always'.