



SINTEX PRODUCTION

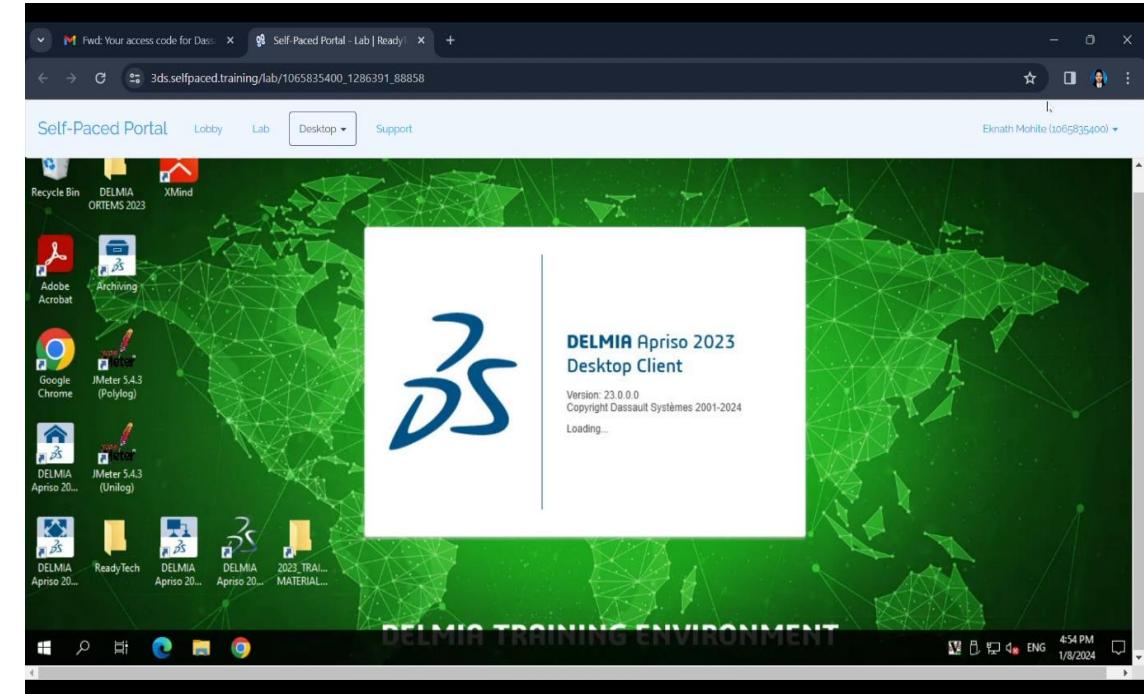
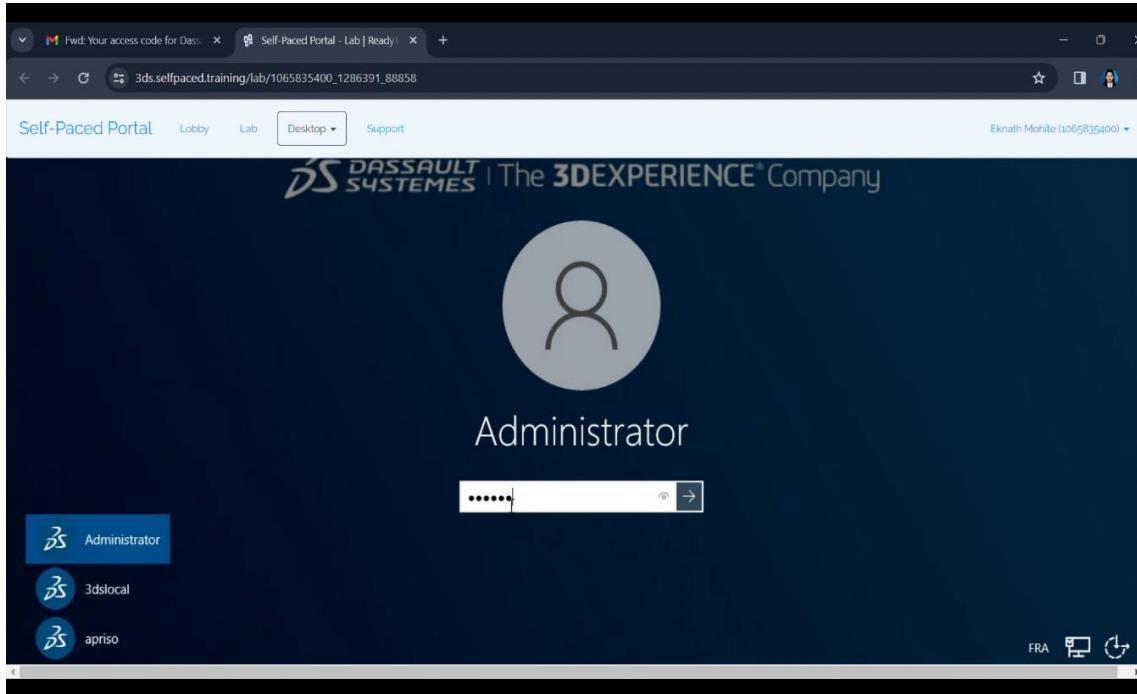


PRODUCTION ORDER START

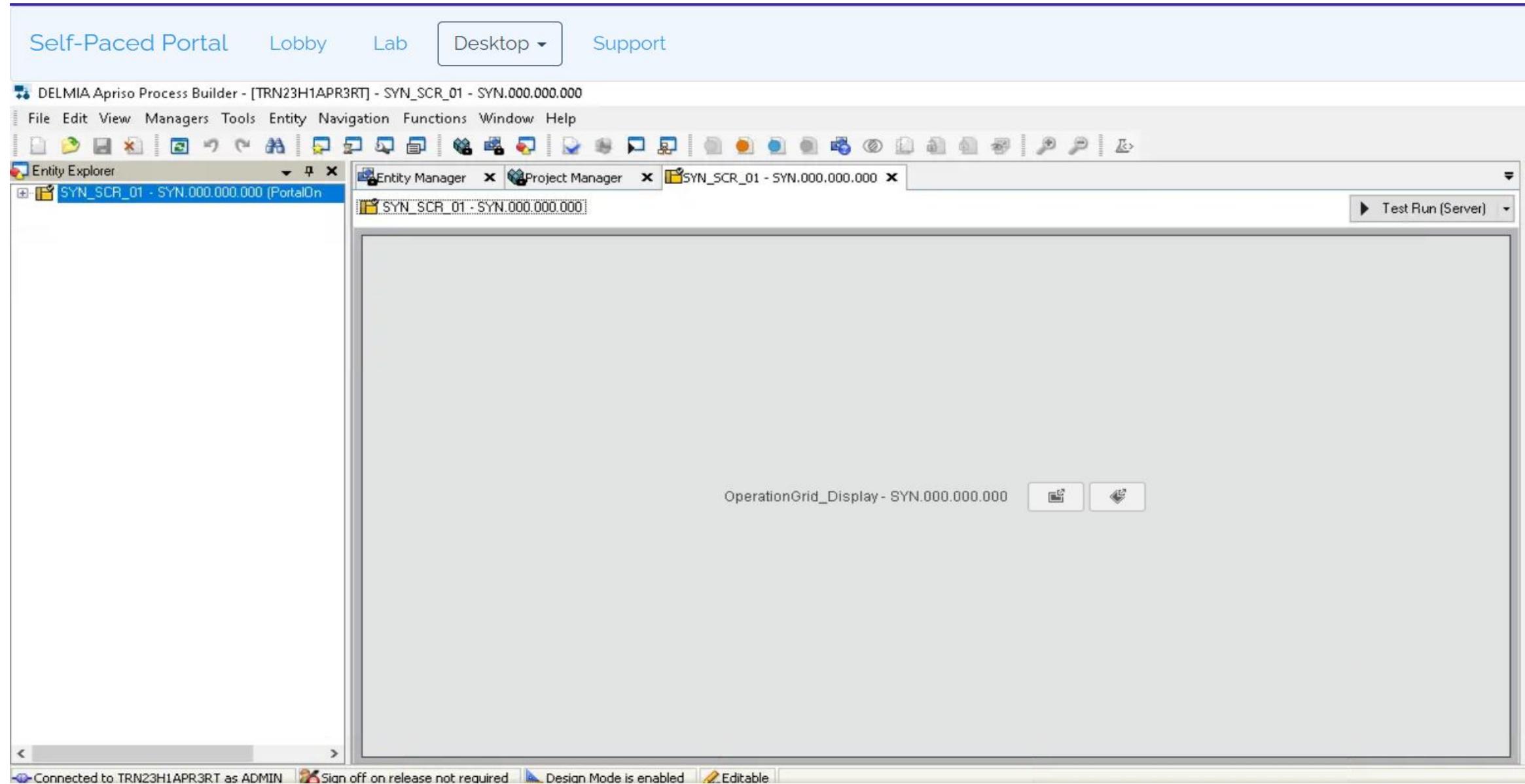
Here we will add different layouts and the operations for the production of the high quality sintex.



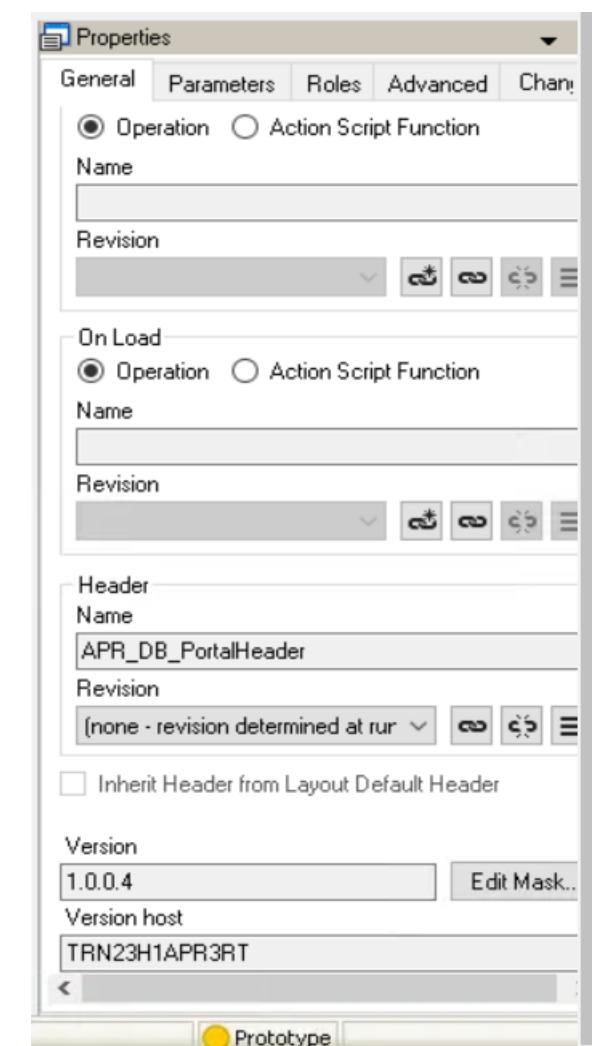
- 3DS Self paced Learning Portal and login into Administrator with the credentials.
 → Open - DELMIA Apriso Desktop Client



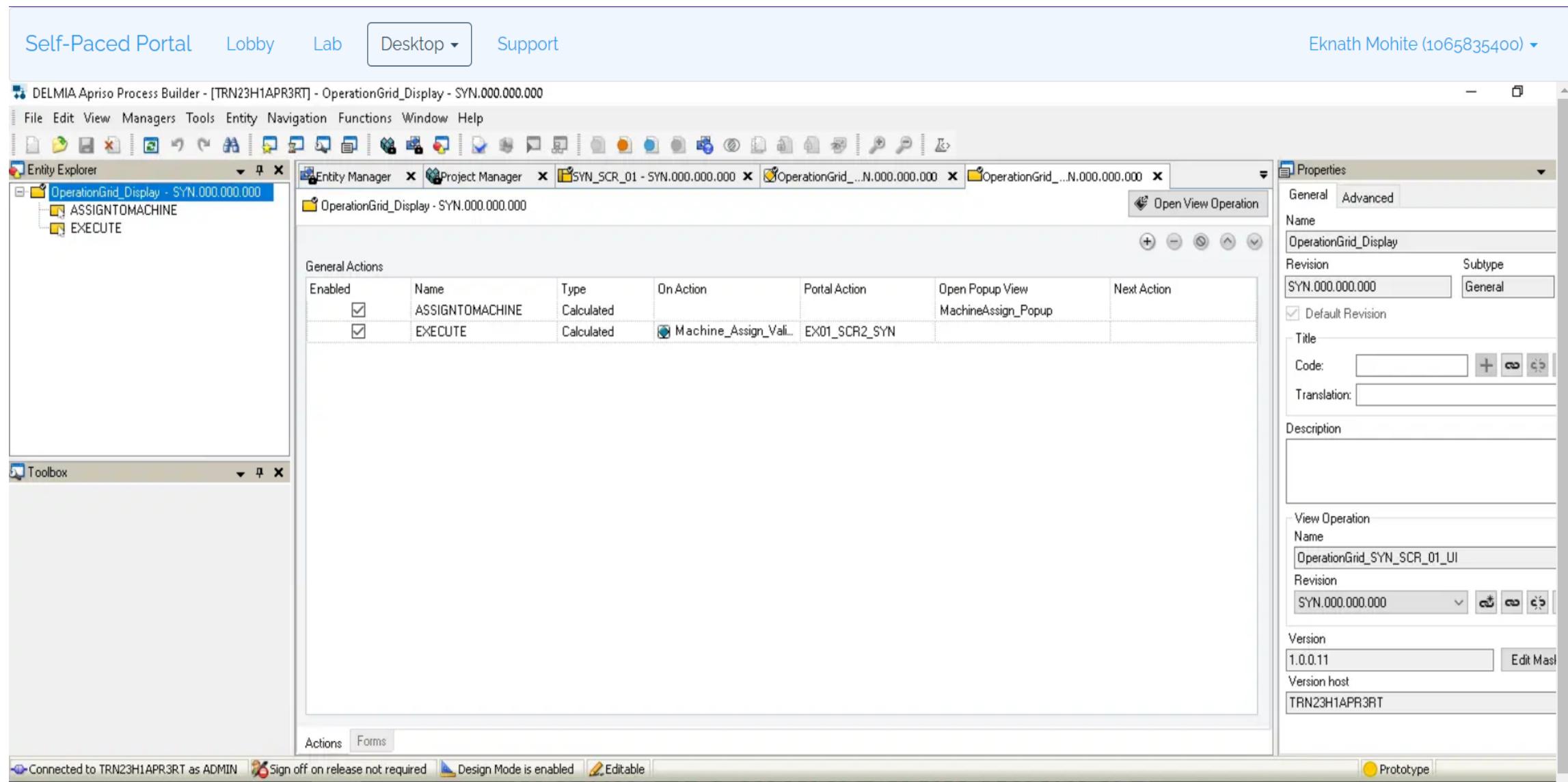
→ New screen with portalonewwindow layout is created with name SYN_SCR_01.



- 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.



The screenshot shows the DELMIA Apriso Process Builder interface. The title bar reads "DELMIA Apriso Process Builder - [TRN23H1APR3RT] - OperationGrid_Display - SYN.000.000.000". The menu bar includes File, Edit, View, Managers, Tools, Entity, Navigation, Functions, Window, Help. The toolbar has various icons for file operations. The Entity Explorer shows a folder structure: "OperationGrid_Display - SYN.000.000.000" containing "ASSIGNTOMACHINE" and "EXECUTE". The main workspace displays the "OperationGrid_Display - SYN.000.000.000" view. A table titled "General Actions" lists two actions: "ASSIGNTOMACHINE" (Calculated, On Action: Machine_Assign_Val..., Portal Action: EX01_SCR2_SYN) and "EXECUTE" (Calculated, On Action: Machine_Execute_Val..., Portal Action: EX01_SCR2_SYN). The Properties panel on the right shows the object's properties: Name: "OperationGrid_Display", Revision: "SYN.000.000.000", Subtype: "General", Default Revision checked, Title, Code, Translation, Description, View Operation Name: "OperationGrid_SYN_SCR_01_UI", Revision: "SYN.000.000.000", Version: "1.0.0.11", Version host: "TRN23H1APR3RT". The bottom status bar indicates "Connected to TRN23H1APR3RT as ADMIN", "Sign off on release not required", "Design Mode is enabled", "Editable", "Prototype", and "Connected to TRN23H1APR3RT as ADMIN".

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

Self-Paced Portal Lobby Lab Desktop ▾ Support Eknath Mohite (1065835400) ▾

DELMIA Apriso Process Builder - [TRN23H1AP]

File Edit View Managers Tools Entity Name

Entity Explorer

- OperationGrid_SYN_SCR_01_UI - SY
 - 1 - Display UI
 - Grid
 - Call_PortalGenerateGridButton
 - ScreenInterface
 - Equipment_GetStatus

Grid Configuration

Query Properties Security

MS SQL Oracle

Test query on: FlexNet

```

1  SELECT ROW_NUMBER()
2    OVER (
3      ORDER BY A.WipOrderNo ASC) AS Rank,
4      *
5  FROM  (SELECT DISTINCT WOP.Workcenter,
6                  WO.WipOrderNo,
7                  TT2.Medium
8                  AS
9                  WipOperationDesc,
10                 Substring(WOP.oprsequenceno, 1, 4) AS
11                 WipOperationNo,
12                 WOP.OprSequenceNo
13                 AS
14                 WipOperation,
15                 P.ProductNo,
16                 WOL.LotNo,
17                 WO.ScheduledStartDate
18                 AS
19
  
```

Name	Type	Value	Origin
LanguageID	Integer	1033	

Inputs Outputs

Advanced UI

Control

Events

Control

Grid - 1.0

OK button

Image for visualization

Refresh

Width Height

100 ▲ Perc ▼ 100 ▲ Perc ▼

100 ▲ Perc ▼ 400 ▲ Pixel ▼

Set Position

Offset Alignment

Prototype 100%

Connected to TRN23H1APR3RT as ADMIN

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

Members:		Rank properties:	
0	ProductNo		
1	Rank		Data
2	Workcenter		Rank
3	Wip Order #		Rank
4	Wip Operation Desc		Integer
5	Wip Operation #		True
6	Wip Operation		True
7	Lot #		None
8	Date Schedule		True
9	Status		
10	Machine		
11	Already Produced Qty		
12	Target Qty		
13	Scrap Qty		Hide
14	Wip Order Type		Hide
15	Status Flag		Default

Grid Column Editor		
Members:		
0 ProductNo	Status Flag properties:	
1 Rank		
2 Workcenter		
3 Wip Order #		
4 Wip Operation Desc		
5 Wip Operation #		
6 Wip Operation		
7 Lot #		
8 Date Schedule		
9 Status		
10 Machine		
11 Already Produced Qty		
12 Target Qty		
13 Scrap Qty		
14 Wip Order Type		
15 Status Flag		
	Basic Options	
	Column Type	Data
	ID	StatusFlag
	Caption	Status Flag
	Data Type	Integer
	Unique	True
	Sortable	True
	Quick Filter	None
	Nullable	True
	Null Value Display	True
	External	True
	Display/>Editability	
	Grid Mode	Hide
	Pop-up Mode	Hide
	Edit/Filter Control	Default
	Display Type	Text
	Display Template	{0}
	Read-Only Control Column	None
	Initial Value	-2147483648
	Auto Refresh Action	None
	Change/Click Action	None

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

12 Target Qty	External	True
▼ Display/Editability		
Grid Mode	Display	
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	

11 Already Produced Qty	External	True
▼ Display/Editability		
Grid Mode	Display	
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	

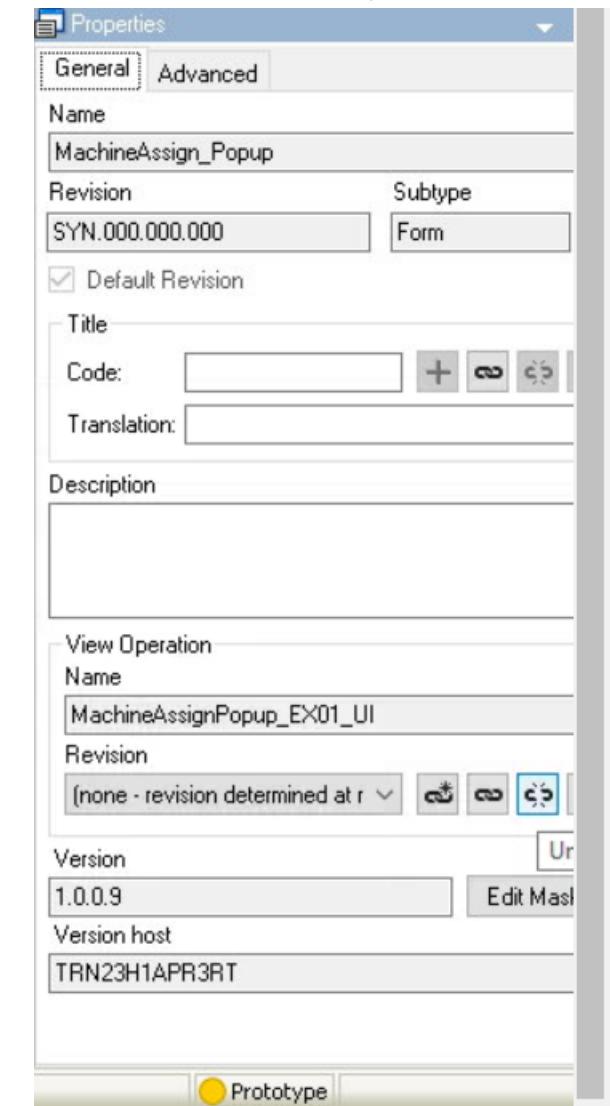
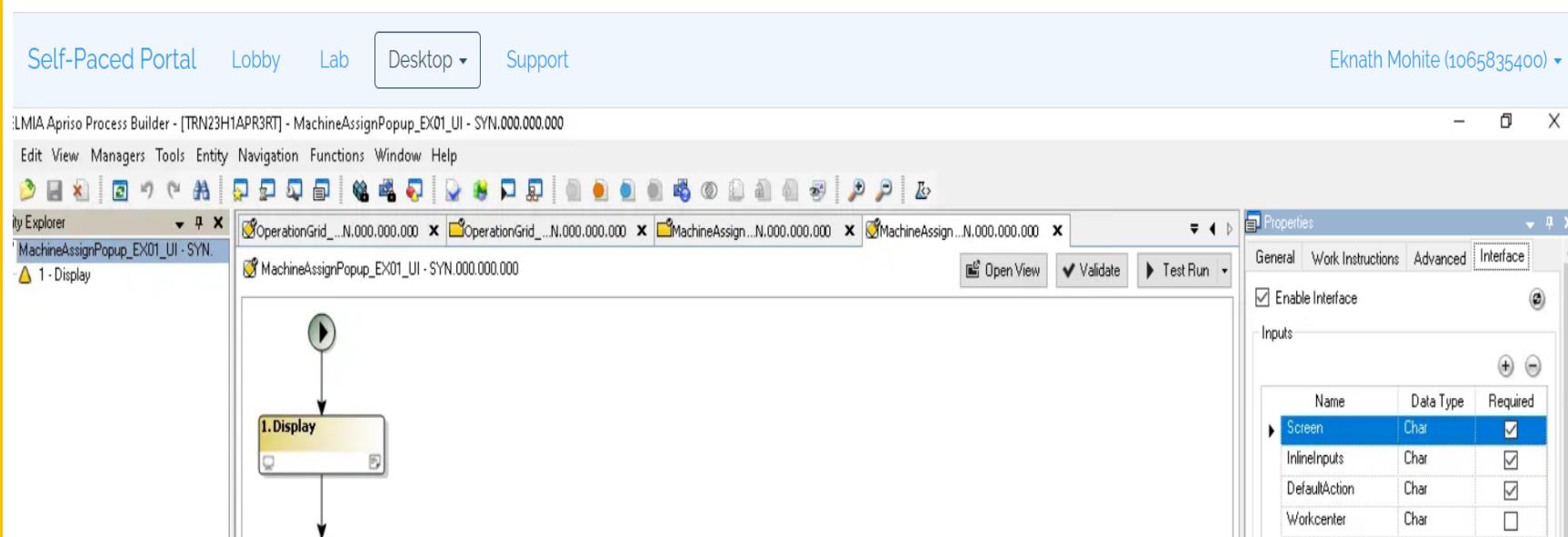
11 Already Produced Qty	External	True
▼ Display/Editability		
Grid Mode	Display	
Pop-up Mode	Display	
Edit/Filter Control	Default	
Display Type	Text	
Display Template	{0:0.000}	
Read-Only Control Column	None	
Initial Value	0	
➤ Auto Refresh Action	None	
➤ Change/Click Action	None	

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.

Self-Paced Portal Lobby Lab Desktop ▾ Support

ELMIA Apriso Process Builder - [TRN23H1APR3RT] - MachineAssignPopup_EX01_UI - SYN.000.000.000

Edit View Managers Tools Entity Navigation Functions Window Help

File Explorer OperationGrid...N.000.000.000 OperationGrid...N.000.000.000 MachineAssign...N.000.000.000 MachineAssign...N.000.000.000

MachineAssignPopup_EX01_UI - SYN.000.000.000 1 - Display Call_PortalGenerateForm ExternalInput_Get ScreenInterface

MachineAssignPopup_EX01_UI - SYN.000.000.000 ▶ Display Open View Validate Test Run

CSS JavaScript HTML

```

1  <!-- Here you can layout standard UI elements using HTML and write your own HTML based screen. Press F1 for help. -->
2  <!-- Tag selection: Ctrl+Shift+ArrowUp|ArrowDown or Ctrl+Shift+LMouseButton -->
3  <!-- Snippets: Ctrl+Shift+Space or in|lit|bind|itr|itrc|fil|attr|key|adv|foc|... + Tab -->
4
5
6
7  <div class="FormContainer">
8
9    <h2 style= "font-family: arial;"> Set Machine</h2>
10
11 </div>
12
13 <div data-flx-subop="Call_PortalGenerateForm"/>
14

```

Function Navigation HTML Layout Editor

A new operation with below configuration is made.

Self-Paced Portal Lobby Lab Desktop ▾ Support

Eknath Mohite (1065835400) ▾

ELMIA Apriso Process Builder - [TRN23H1APR3RT] - Machine_Assign_Transaction - SYN.000.000.000

Edit View Managers Tools Entity Navigation Functions Window Help

Entity Explorer

- Machine_Assign_Transaction - SYN.000.000.000
 - 1 - GetMachineDetails_Transaction
 - 2 - SetMachine_Transaction

Properties

General Work Instructions Advanced Interface

Enable Interface

Inputs

Name	Data Type	Required
WipOrder	Char	<input type="checkbox"/>
WipOrderType	Integer	<input type="checkbox"/>
WipOperation	Char	<input type="checkbox"/>
NewMachine	Char	<input type="checkbox"/>
Equipment	Char	<input type="checkbox"/>

Outputs

Name	Data Type
Prototype	100%

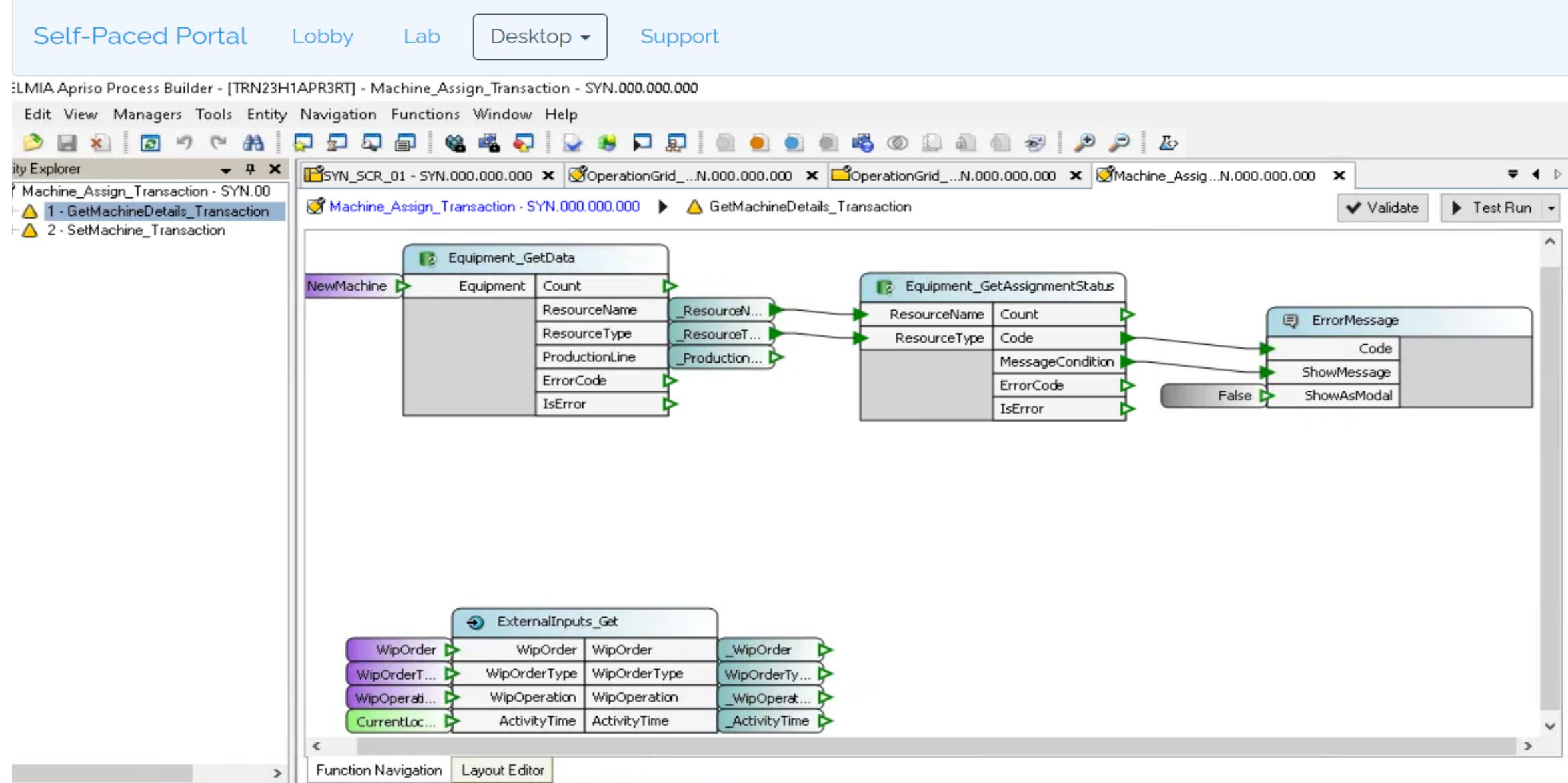


```

graph TD
    Start(( )) --> Step1[1. GetMachineData...]
    Step1 --> Step2[2. SetMachine_Tra...]
    Step2 --> End(( ))
  
```

Connected to TRN23H1APR3RT as ADMIN Sign off on release not required Design Mode is enabled Editable

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..

Self-Paced Portal Lobby Lab Desktop ▾ Support

ELMIA Apriso Process Builder - [TRN23H1APR3RT] - Machine_Assign_Transaction - SYN.000.000.000

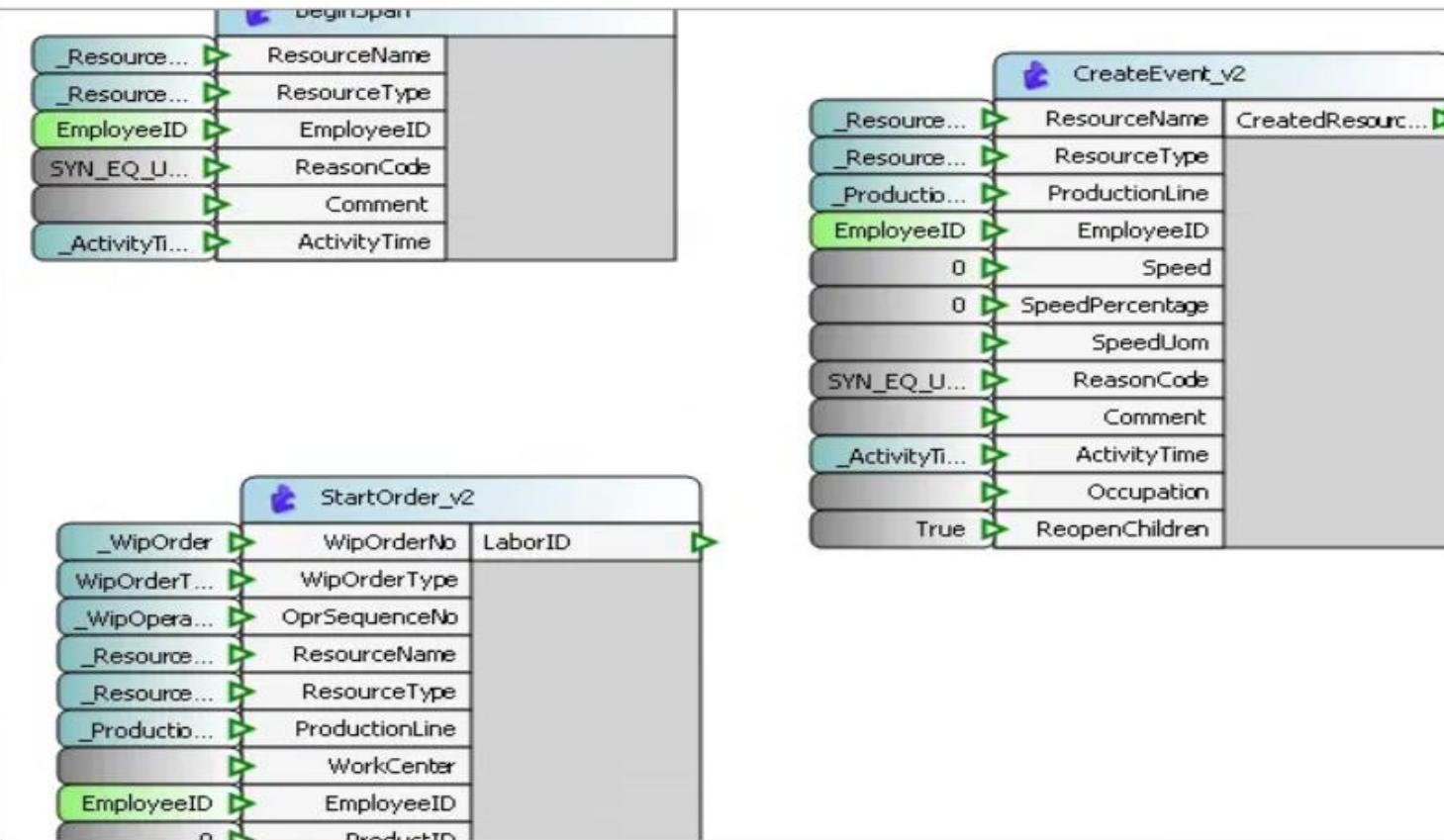
Edit View Managers Tools Entity Navigation Functions Window Help

File Explorer

Machine_Assign_Transaction - SYN.000.000.000

- 1 - GetMachineDetails_Transaction
 - ExternalInputs_Get
 - Equipment_GetData
 - Equipment_GetAssignmentStat
 - ErrorMessage
- 2 - SetMachine_Transaction

Machine_Assign_Transaction - SYN.000.000.000 > SetMachine_Transaction



The screenshot shows the ELMIA Apriso Process Builder interface with a process titled "Machine_Assign_Transaction". The process consists of three parallel regions: "beginSpan", "CreateEvent_v2", and "StartOrder_v2". Each region contains a list of variables:

- beginSpan:**
 - _ResourceName
 - _ResourceType
 - EmployeeID
 - SYN_EQ_U...
 - Comment
 - ActivityTi...
- CreateEvent_v2:**
 - _ResourceName
 - _ResourceType
 - ProductionLine
 - EmployeeID
 - Speed
 - SpeedPercentage
 - SpeedUom
 - ReasonCode
 - Comment
 - ActivityTime
 - Occupation
 - True
 - ReopenChildren
- StartOrder_v2:**
 - WipOrder
 - WipOrderType
 - WipOpera...
 - ResourceName
 - ResourceType
 - ProductionLine
 - WorkCenter
 - EmployeeID
 - ProductID

At the bottom of the interface, there are buttons for "Function Navigation" and "Layout Editor".

A new operation with below configuration is made.

Self-Paced Portal Lobby Lab Desktop ▾ Support Eknath Mohite (1065835400) ▾

ELMIA Apriso Process Builder - [TRN23H1APR3RT] - Machine_Unassign_Transaction - SYN.000.000.000

Edit View Managers Tools Entity Navigation Functions Window Help

Properties

General Work Instructions Advanced Interface

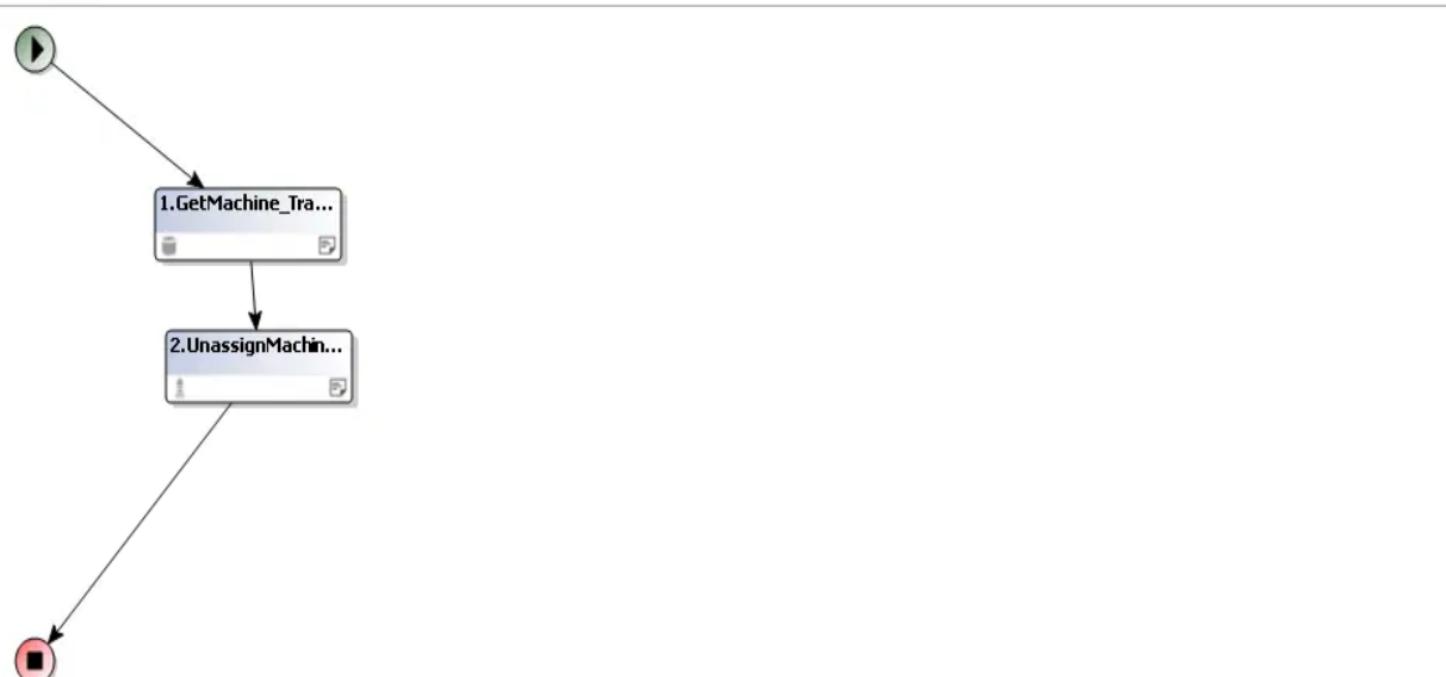
Enable Interface

Inputs

Name	Data Type	Required
WipOrder	Char	<input type="checkbox"/>
WipOrderType	Integer	<input type="checkbox"/>
WipOperation	Char	<input type="checkbox"/>
CurrentMachine	Char	<input type="checkbox"/>
NewMachine	Char	<input type="checkbox"/>
Equipment	Char	<input type="checkbox"/>
ResourceName	Char	<input type="checkbox"/>

Outputs

Name	Data Type
------	-----------



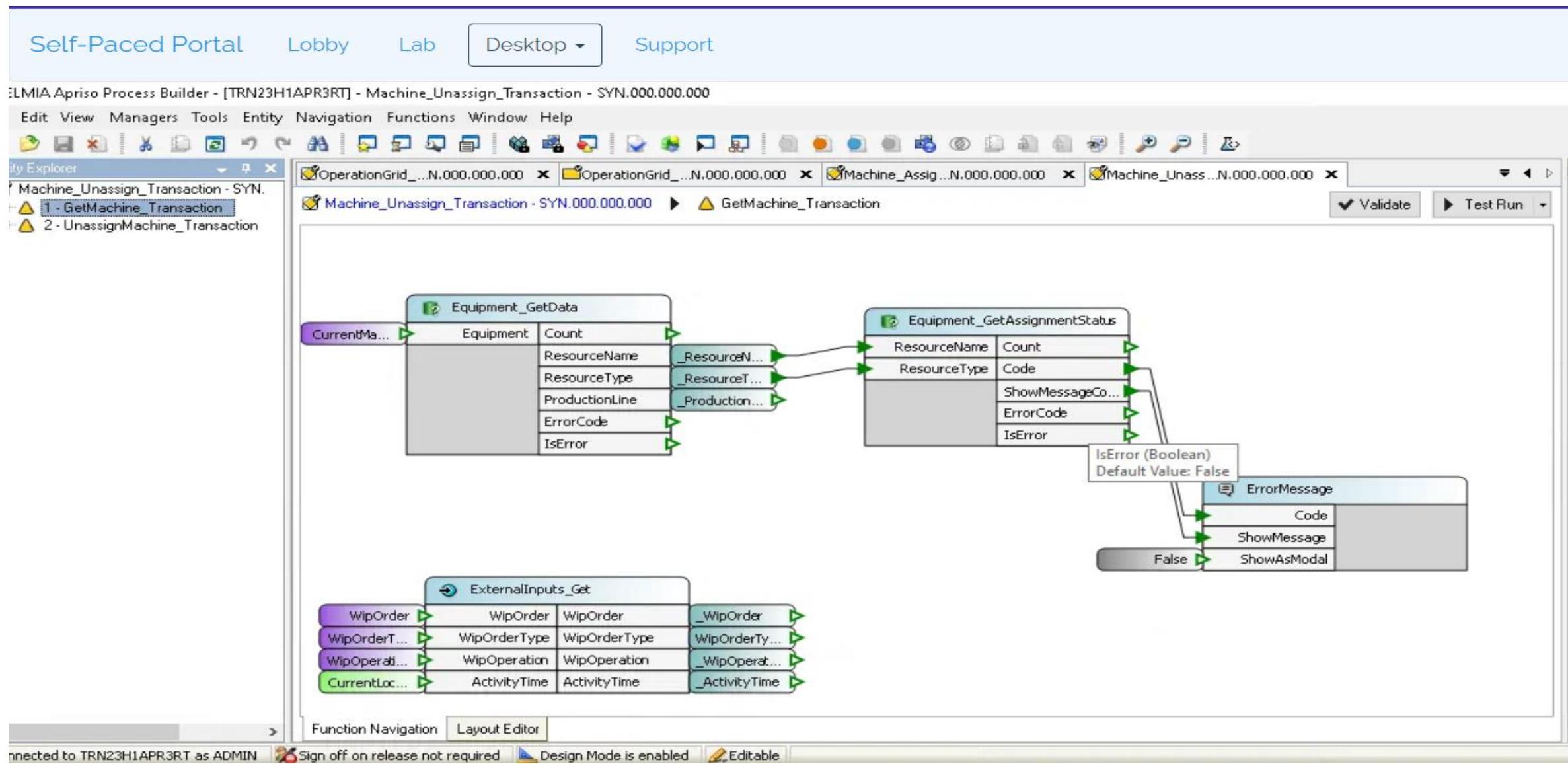
```

graph TD
    Start(( )) --> Task1[1.GetMachine_Transaction]
    Task1 --> Task2[2.UnassignMachine_Transaction]
    Task2 --> End(( ))
  
```

The process flow diagram shows a start node connected to a task node labeled "1.GetMachine_Transaction". This task node has a solid arrow pointing down to another task node labeled "2.UnassignMachine_Transaction". A solid arrow also points from the "2.UnassignMachine_Transaction" node back up to the start node, forming a loop. The "2.UnassignMachine_Transaction" node is currently highlighted with a red border.

Connected to TRN23H1APR3RT as ADMIN Sign off on release not required Design Mode is enabled Editable Prototype 100%

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.

Self-Paced Portal Lobby Lab Desktop ▾ Support

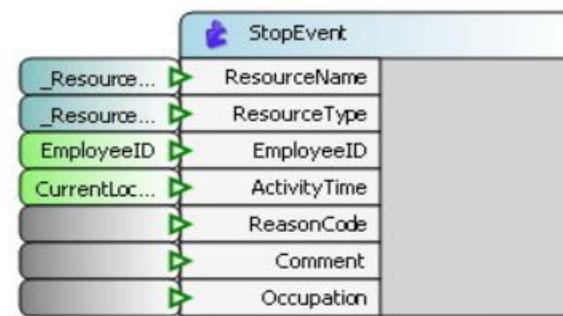
ELMIA Apriso Process Builder - [TRN23H1APR3RT] - Machine_Unassign_Transaction - SYN.000.000.000

Edit View Managers Tools Entity Navigation Functions Window Help

File Explorer OperationGrid...N.000.000.000 OperationGrid...N.000.000.000 Machine_Assig...N.000.000.000 Machine_Unass...N.000.000.000

Machine_Unassign_Transaction - SYN.000.000.000
1 - GetMachine_Transaction
2 - UnassignMachine_Transaction

Validate Test Run



Function Navigation Layout Editor

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		

DEBUG (APR.006.002)
t= 1705762237521 ms.

Session Variables	Debug Results
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Connected to TRN23H1APR3RT as ADMIN Sign off on release not required Design Mode is enabled Read-only Prototype

Update Session Variable Values	
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Create a new view as below.

Self-Paced Portal Lobby Lab Desktop ▾ Support Eknath Mohite (1065835400) ▾

DELMIA Apriso Process Builder - [TRN23H1APR3RT] - Machine_Assign_Validation - SYN.000.000.000

File Edit View Managers Tools Entity Navigation Functions Window Help

Entity Explorer Properties

Machine_Assign_Validation - SYN.000.000.000 1 - CheckMachineAssignment_Validation

Machine_Assign_Validation - SYN.000.000.000

Validate Test Run

General Work Instructions Advanced Interface

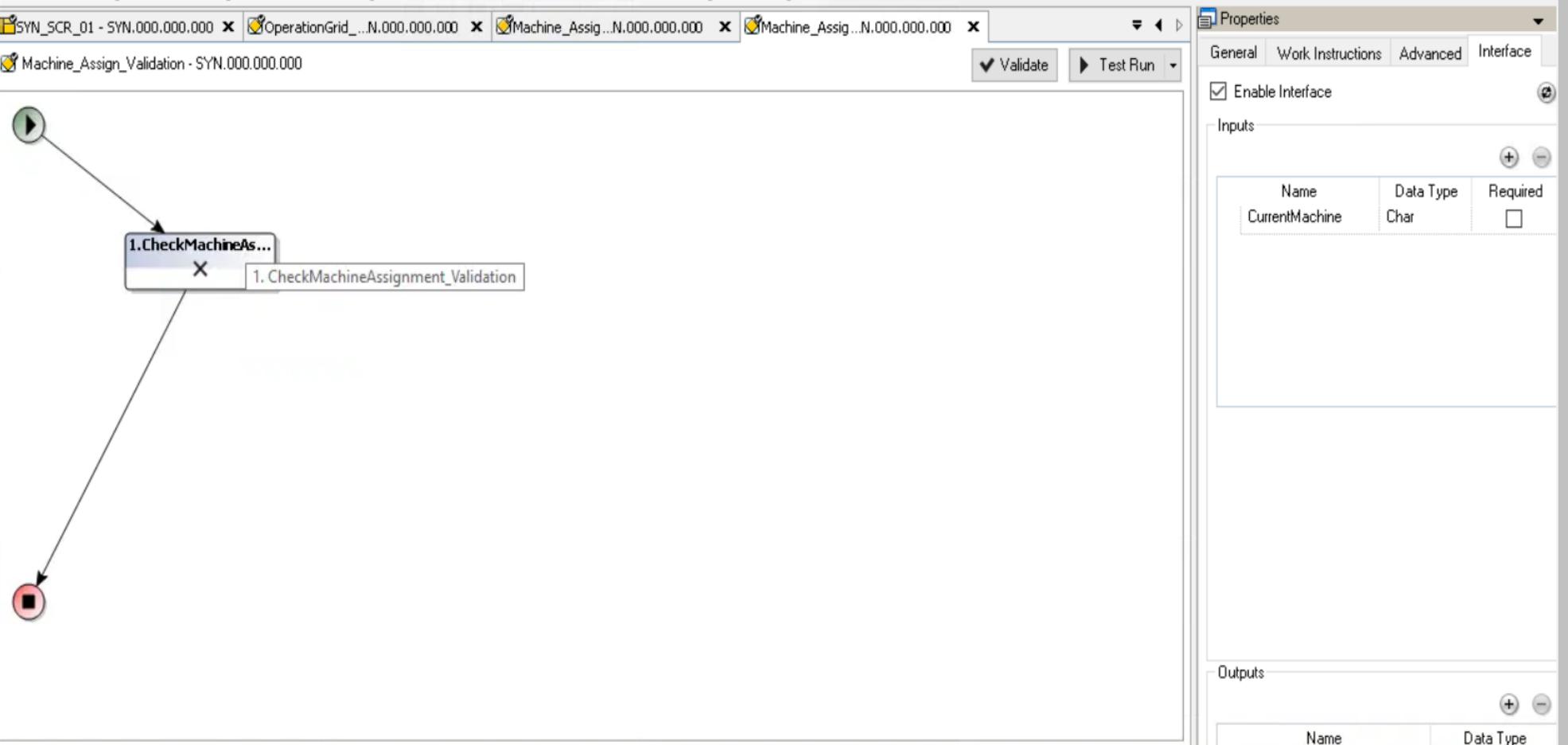
Enable Interface

Inputs

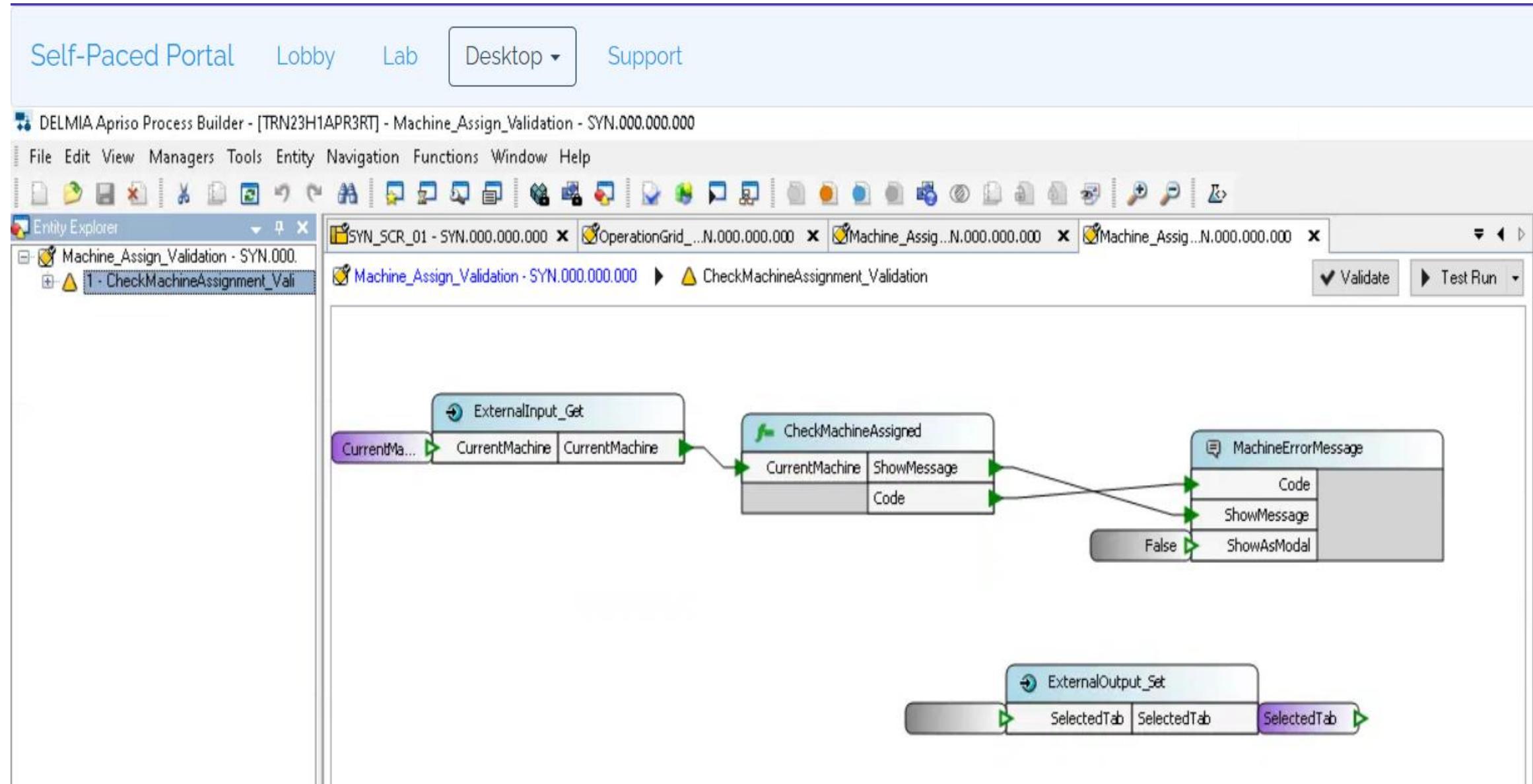
Name	Data Type	Required
CurrentMachine	Char	<input type="checkbox"/>

Outputs

Name	Data Type
Prototype	100%



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.

Self-Paced Portal Lobby Lab Desktop ▾ Support Eknath Mohite (1065835400) ▾

DELMIA Apriso Process Builder - [TRN23H1APR3RT] - OperationGrid_Display - SYN.000.000.000

File Edit View Managers Tools Entity Navigation Functions Window Help

Entity Explorer

- OperationGrid_Display - SYN.000.000.000
 - ASSIGNTOMACHINE
 - EXECUTE**

Properties

General Parameters Roles Advanced

Name: Machine_Assign_Validation

Revision: (none - revision determined)

Action: Next Action

Portal Action: Go to Screen

Name: EX01_SCR2_SYN

Revision: (none - revision determined at)

Open Pop-up View

Name:

Revision:

Availability mode: Always

Keyboard: <

Toolbox

Actions Forms

Connected to TRN23H1APR3RT as ADMIN Sign off on release not required Design Mode is enabled Editable Prototype

