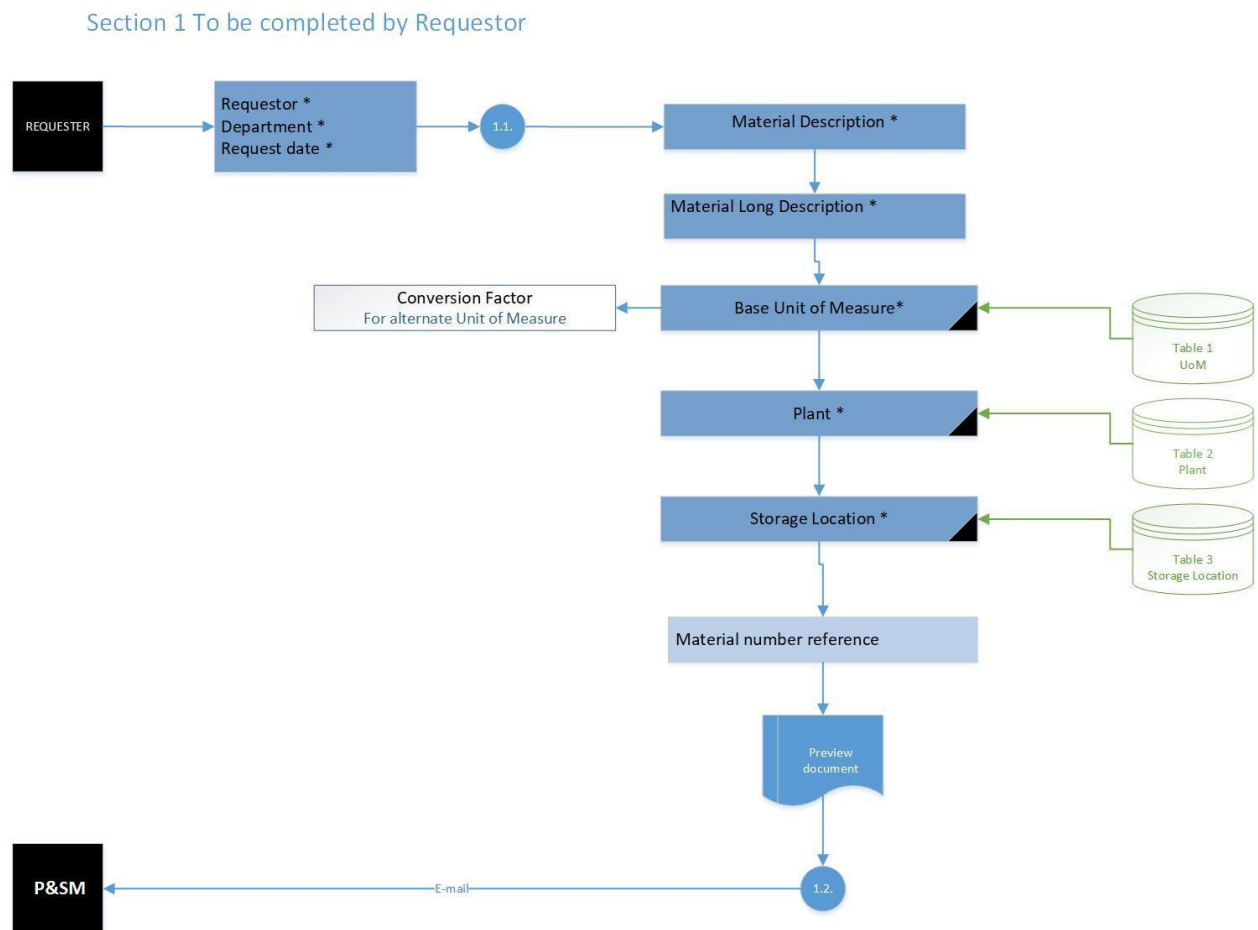
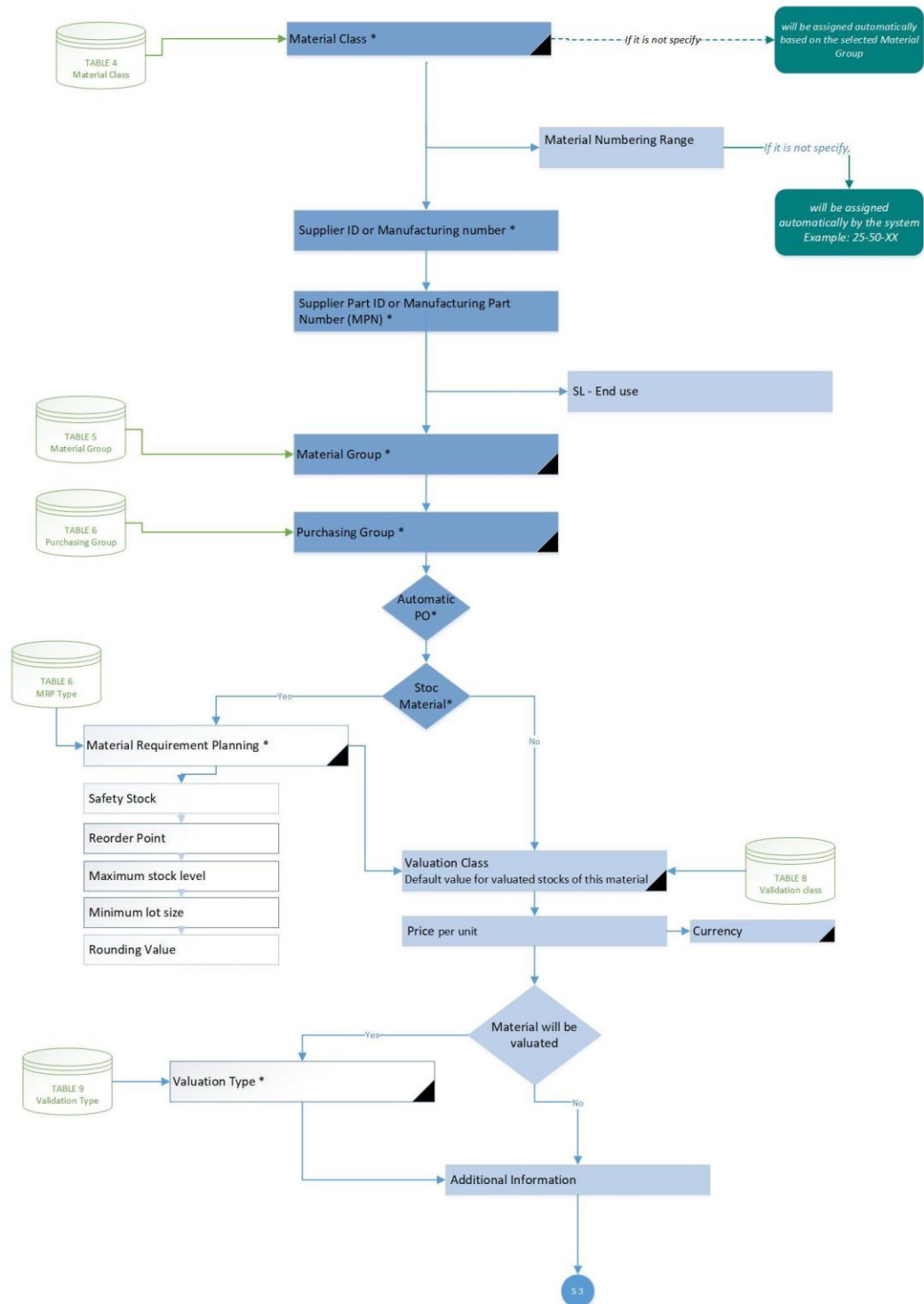


Picture 2. Section 1.

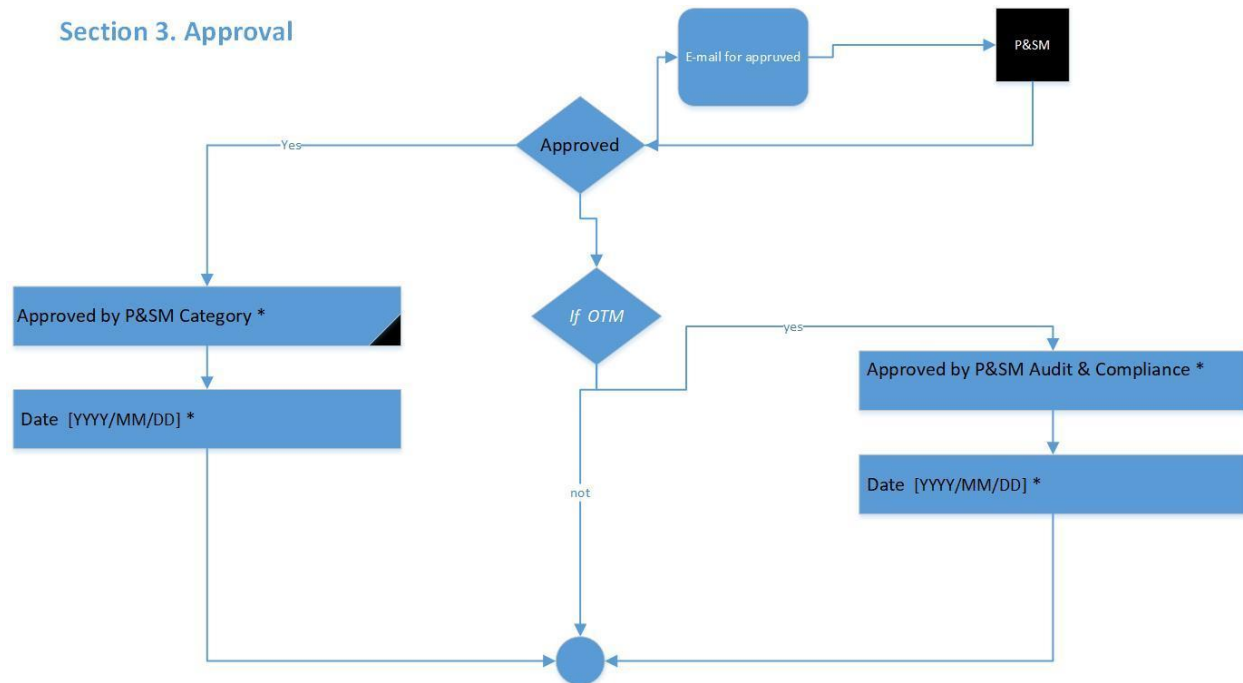


## Picture 3. Section 2

### Section B To be completed by P&SM Category Department



Picture 4. Section 3. Approval process



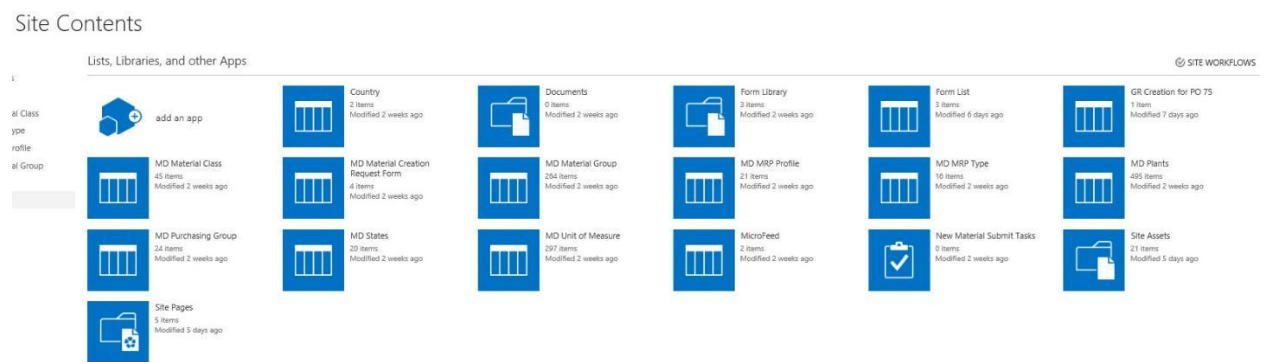
## Step 2. Here I had to create and populate the Tables / SharePoint Lists

### Step 2.1.

For this task I used: Office365: Excel, SharePoint Web Server, SharePoint Designer

Tables:

### Picture 5:



## Step 2.2.

Next I had to create the Material Creation Request SharePoint List, adding the columns with correct validation rolls.

Picture 6. Material Creation Request Table

Procurement and Supply Management ADB Creation Help EDIT LINKS

### MD Material Creation Request Form · Settings

List Information

Name: MD Material Creation Request Form

Web Address: http://team.on.ca/sites/ops/any/Libz/MD Material Creation Request Form/AllItems.aspx

Description:

General Settings

- List name, description and navigation
- Versioning settings
- Advanced settings
- Validation settings
- Audience targeting settings
- Rating settings

Permissions and Management

- Delete this list
- Save list as template
- Permissions for this list
- Workflow Settings
- Generate the plan report
- Enterprise Metadata and Keywords Settings
- Information management policy settings

Columns

A column stores information about each item in the list. The following columns are currently available in this list:

Column (click to edit)	Type	Required
Material Description	Single line of text	✓
Expanded Date	Date and Time	✓
Long Description	Multiple lines of text	✓
Plant	Lookup	✓
Storage Location	Lookup	✓
Material Class	Lookup	✓
Base UoM	Lookup	✓
Alternative UoM	Single line of text	✓
Step1 Status	Choice	✓
Step1 Comments	Multiple lines of text	✓
Approval person	Person or Group	✓
Purchasing Group	Lookup	✓
Material Group	Lookup	✓
MN Range	Single line of text	✓
Vend ID or MN	Single line of text	✓
VPartID or MPN	Single line of text	✓
SL End use	Single line of text	✓
Auto PO	Choice	✓
Stock	Choice	✓
MRP Type	Lookup	✓
Safety Stock	Number	✓
Reorder Point	Number	✓
Max Stock	Number	✓
Min/lot size	Number	✓
Round Value	Number	✓
Valuation Class	Choice	✓
Unit Price	Number	✓
Currency	Choice	✓
Valuation	Choice	✓
Valuation Type	Choice	✓
Step2 Status	Choice	✓
Step2 Notes	Multiple lines of text	✓
Step3 Status	Choice	✓
Approved by P&QM Category	Person or Group	✓
Approval Date	Date and Time	✓
Modified	Date and Time	✓
Created	Date and Time	✓
Created By	Person or Group	✓
Modified By	Person or Group	✓

■ Create column

- Add from existing site columns
- Column ordering
- Indexed columns

Views

A view of a list allows you to see a particular selection of items or to see the items sorted in a particular order. Views currently configured for this list:

### Step 3. Designing Web Parts for Material Request Tables.

New Form, Display Form, Edit form

*Application used: QuickApps for SharePoint*

Picture 7.

Default New Form

The screenshot displays the QuickApps for SharePoint web application. On the left, a sidebar lists various categories and recent items. The main area shows a 'New Material Request' form titled 'SINGLE MATERIAL CREATION REQUEST FORM P&SM MASTER DATA'. The form includes fields for 'Expected Date of Completion' (with a date picker set to 10/23/2019), 'Material Short Description', and 'Material Long Description'. There are also fields for 'Base Unit of Measure' and 'Alternative Unit'. A red box highlights the form area.

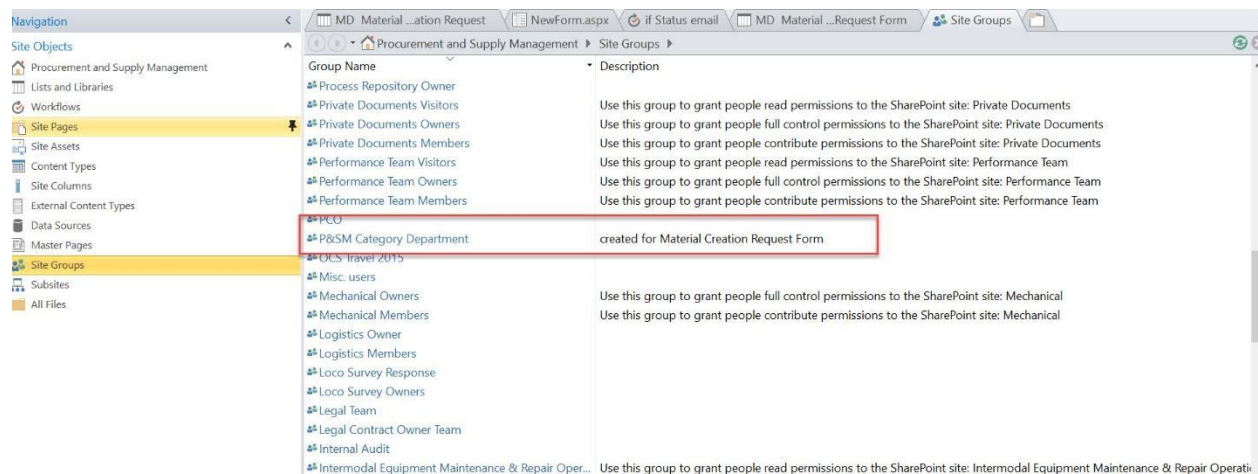
Picture 8.

Edit Form

The screenshot shows the 'Configure Step1 Edit Form' dialog box. It is used to configure the 'Step1 Edit Form'. The 'Primary Content' section is expanded, showing fields for 'Title' (Step1 Edit Form), 'Site Url' (.), 'List Name' (MD Material Creation Request Form), 'Child List' (None), 'Form Type' (EditListItem), 'Form Layout' (None), 'Display Fields' (Fields to be Displayed of ContentType Item (32)), 'Child List Display Fields' (None), 'Relationship Mapping' (None), and 'ID HTTP Parameter Name' (ID). The 'Advanced' section is also visible. The dialog has 'OK' and 'Cancel' buttons at the bottom.

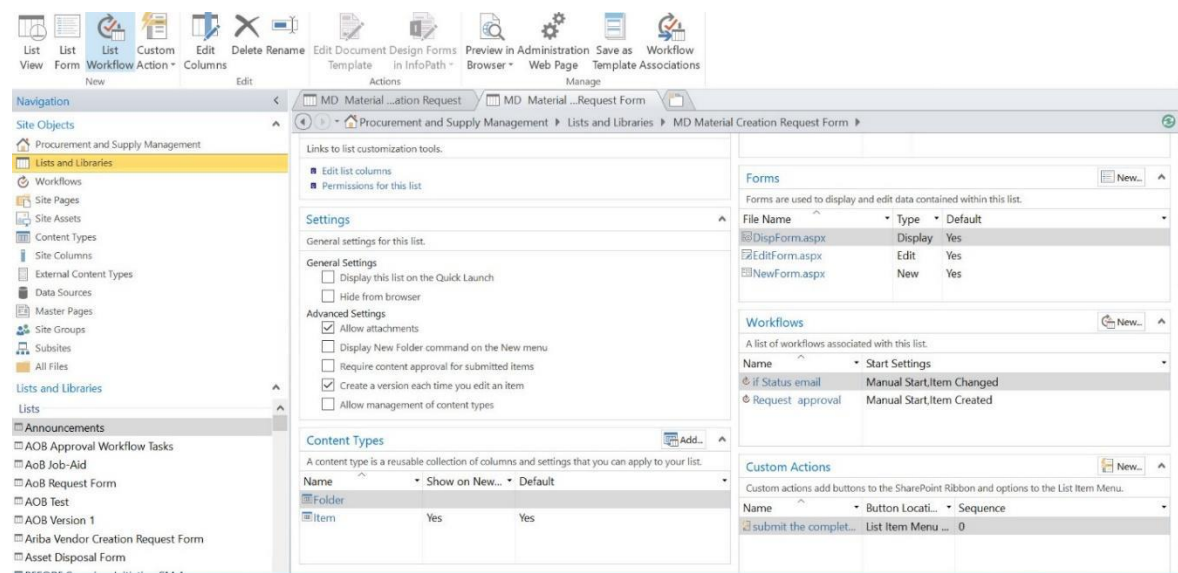
**Step 4.** I also had to create Approval User Group for Material Request approval condition

Picture 8. User group



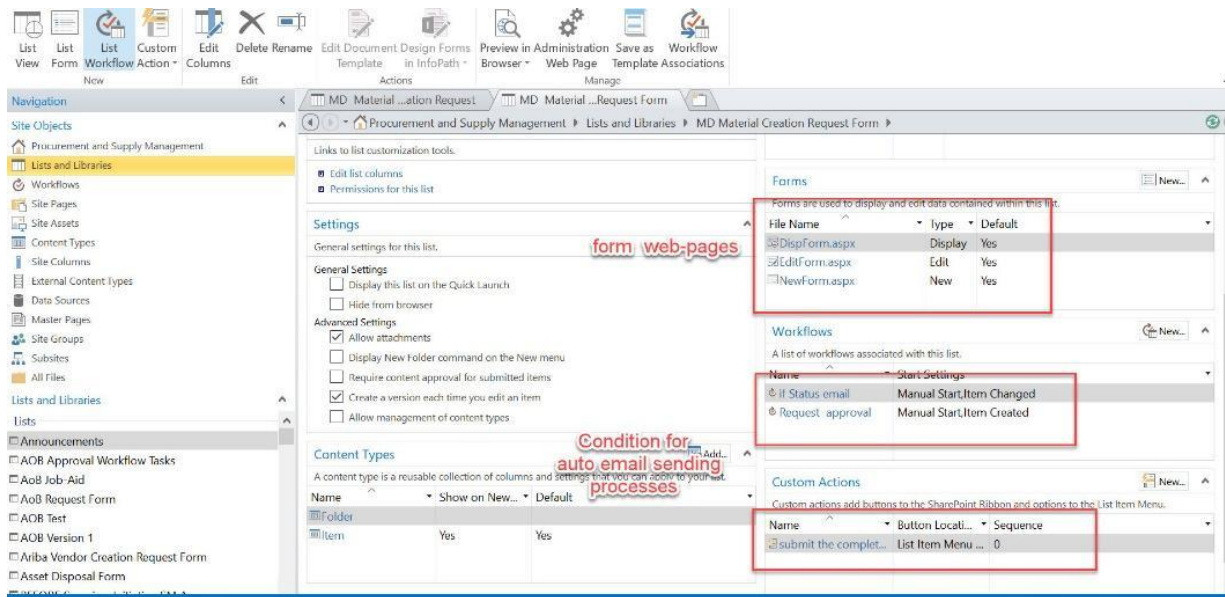
**Step 5.** Developing the Conditions for auto email resending

Picture 9. Material Creation Request List in SharePoint Designer

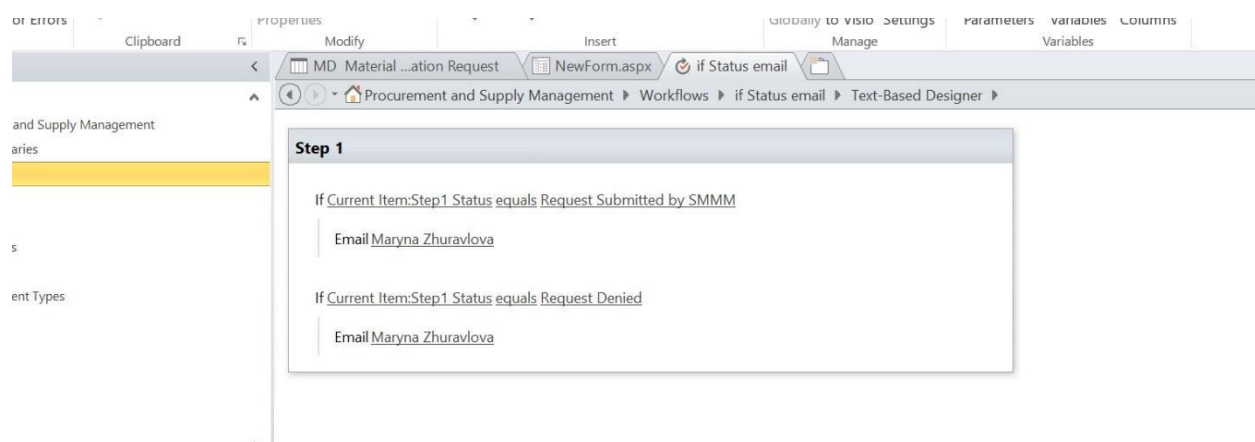




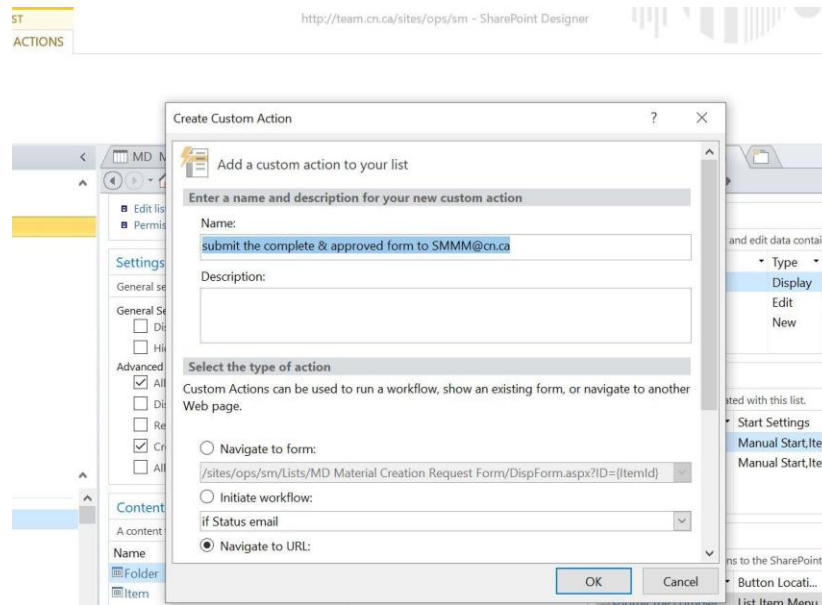
Picture 10.



Picture 11. WorkFlows Condition coding



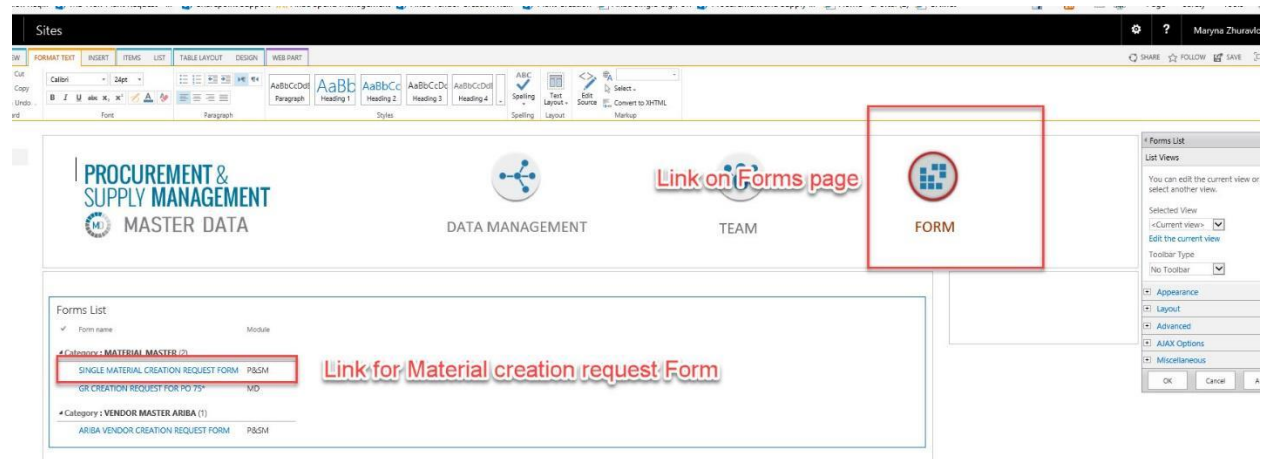
Picture 12. Custom Action rolls.



## Step 6. PHP Web Page

Creation of a PHP Web page for all forms

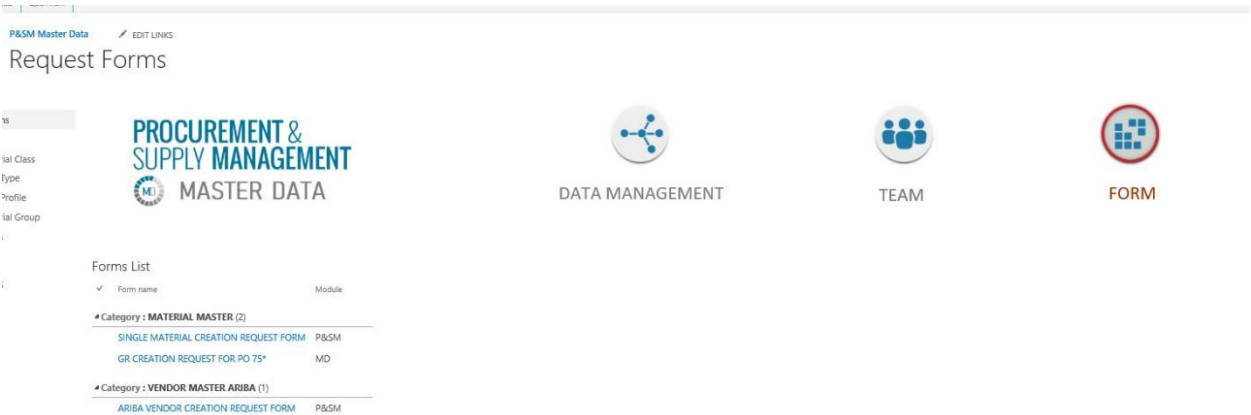
Picture 13. 'Form' Page





RESULT

Picture 14. Web Page with Link bottoms and the Form List application as content



Picture 14. Material request items list



Picture 15. New Item Form

MD Material Creation Request Form - New Item

NEW MATERIAL REQUEST

Save and Close Cancel ezEdit Help About Manage Settings & Help

**CN SINGLE MATERIAL CREATION REQUEST FORM P&SM MASTER DATA**

\* Indicates a required field

Expected Date of Completion  MM/DD/YYYY  
can't be less then Today + 7 days

Material Short Description \*

Material Long Description \*   
Max 40 UPPER CASE Character - Format : NOUN [space] ADJECTIVE [space] ATTRIBUTE

Base Unit of Measure \*   
Alternative UoM   
For alternate Unit of Measure - example: 1 Box = 12 EA

Plant \*

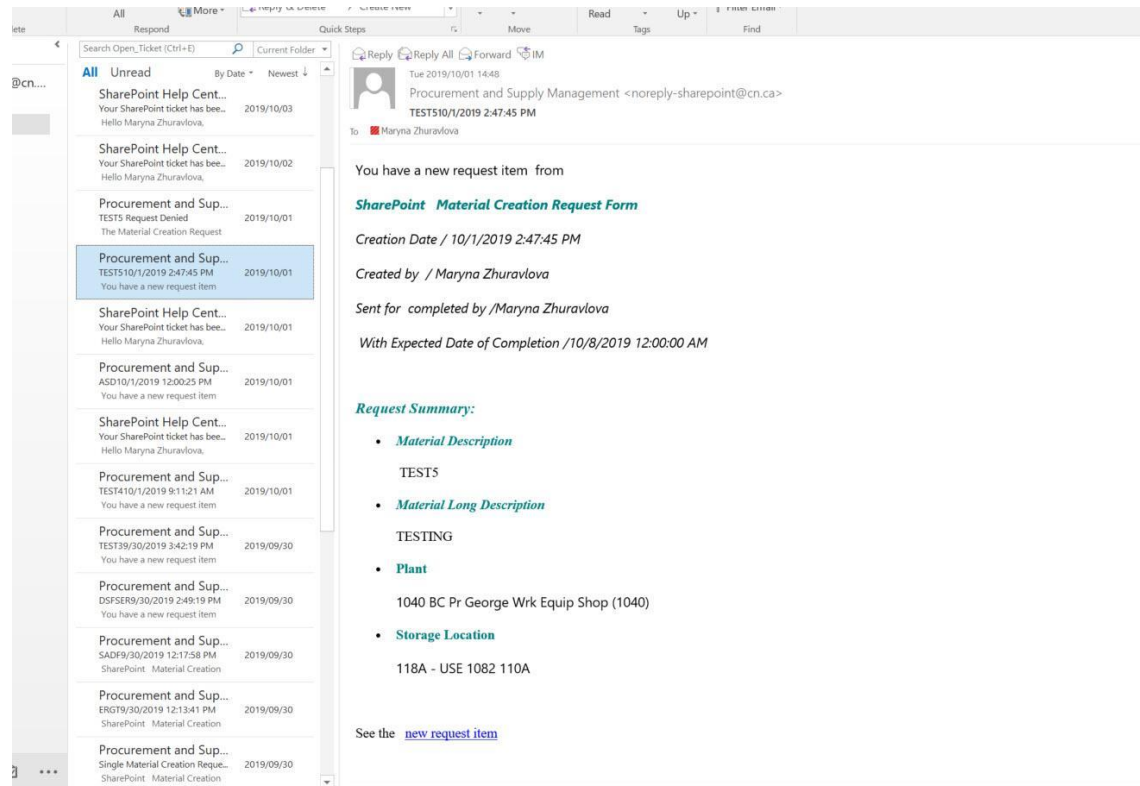
Storage Location \*

Approval person \*   
You must specify a value for this required field.

Notes by Requestor

Save and Close Cancel

Picture 16. Email content which was sent when a user creates and saves a new request.



Picture 17. Request Summary View Form

end Management Ariba Vendor Creation Re... Plant Creation Ariba Single-Sign On Procurement and Supply ... Home

### MD Material Creation Request Form - ALLO

VIEW

Edit Item  
Delete Item  
Manage

Version History  
Shared With  
Alert Me  
Workflows

Actions

Material Description	ALLO
Expected Date	10/7/2019
Long Description	asdasdasd
Plant	1000 BC South-West (1000)
Storage Location	060A - 060A-Thor MPCE
Material Class	01 Track And Switch Materials
Base UoM	BAG - Bag
Alternative UoM	
Step1 Status	Request in Approval by P&SM Category Department
Step1 Comments	
Approval person	Michel Filiatrault
Purchasing Group	C02 - Car Inv.Cntrl
Material Group	CAR1000 - Car-Air Brake&Cmpnts
MIN Range	
Vend ID or MN	4534665
VPartID or MPN	116899
SL End use	
Auto PO	Yes
Stock	No
MRP Type	Z4 - No planning
Safety Stock	0.00
Reorder Point	0.00
Max Stock	0.00
Min lot size	0.00
Round Value	1.00
Valuation Class	9998 - CN RRS Inventory
Unit Price	1.00
Currency	CAD
Valuation	No
Valuation Type	A-New
Step2 Status	
Step2 Notes	
Step3 Status	

Picture 18. Edit Form for approval process

## MD Material Creation Request Form - ALLO



STEP1 EDIT FORM

Save and Close

Cancel

Delete

ezedit

Help

About

ManageActionsSettings & Help

Base Unit of Measure *	BAG - Bag
Alternative UoM	
	For alternate Unit of Measure - example: 1 Box = 12 EA
Plant *	1000 BC South-West (1000)
Storage Location *	060A - 060A-Thor MPCE
Material Class *	01 Track And Switch Materials
Material Numbering Range	---
Supplier ID or Manufacturing number *	4534665
Supplier Part ID or Manufacturing Part Number *	116899
SL - End use	
Material Group *	CAR1000 - Car-Air Brake&Cmpnts
Purchasing Group *	C02 - Car Inv.Cntrl
Automatic PO *	<input checked="" type="radio"/> Yes <input type="radio"/> No
Stock Material *	<input type="radio"/> Yes <input checked="" type="radio"/> No
Valuation Class	9998 - CN RRS Inventory
	Default value for valued stocks of this material
Price per unit	1
Currency	<input checked="" type="radio"/> CAD <input type="radio"/> USD
Material will be valued *	<input type="radio"/> Yes <input checked="" type="radio"/> No
Request Status *	Request in Approval by P&SM Category Department
Additional Information	

Save and Close

Cancel

Delete