

**Assignment\_6:**

- 1.Create a Part subtype: "PLMBPart" and work on the below points.
  2. Create a Document subtype: "PLMBDoc" and work on the below points
  3. Create below global(reusable)attributes on PLMBPart Subtype
    - a) Country -----string type
    - b) States -----string type
    - c) External-----Boolean type
    - d) Issue Date-----Timestamp/date type
    - e) Country of origin---- String type
  4. Create one local attribute for PLMBPart Subtype.
    - a) Supplier-----String type
- Note: First, attempt to reproduce the error and observe it. We will discuss it in a session to work on the resolution.
- 5.Create below global(reusable)attributes on PLMBDoc Subtype
    - a) Creation Date----Timestamp/date type
    - b) Author---string type
    - c) Mandatory---Boolean type
    - d) Language----String type
  6. The user should be able to see Country, States, External, and Issue date in the create page.
  7. The user should not be able to see Issue date on the edit page but can see Country, States, and External.
  8. In the View page all 4 attributes should be visible.
  9. Create a global enumeration where the Country should have values like India, China, and USA, in the dropdown.
  10. States should have values like Karnataka, Kerala, Madhya Pradesh, Manipur, Maharashtra, Ch1,ch2,us1,us2, in dropdown.
  11. Create a legal value list for the Country of origin where values should be like Korea, Paris, Japan, and China.
  12. The Country of Origin attribute must be a mandatory field, and the part creation should not be allowed until a value is entered for this attribute. **Assignment Details:**

1.Create a Part subtype: "PLMB Part" and work on the below points.

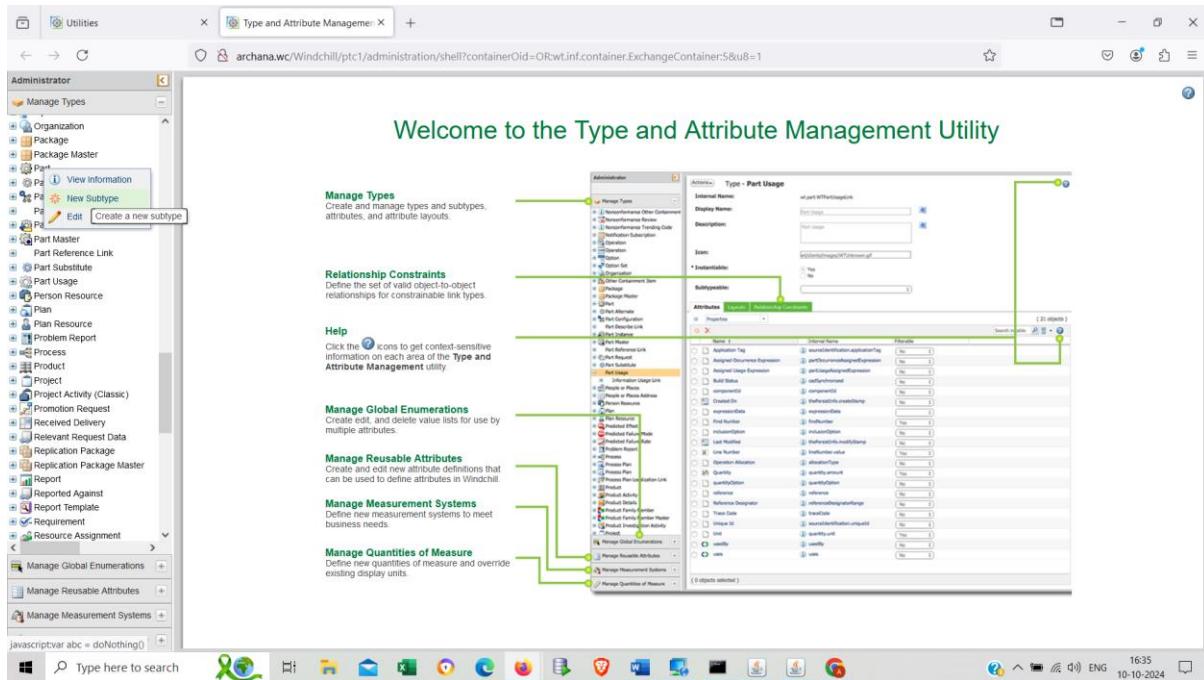
Step1: login as a site, go to utility->Type and management Attribute

The screenshot shows the Windchill Utilities interface. The top navigation bar includes links for Utilities, Site, Task Delegate Administration, Worker Agent Administration, Business Administration, Auditing Administration, and System Administration. Under Business Administration, there are several sub-links: Business Rules, Indexing Administration, Introduction to Numbering Schemes, Introduction to Versioning Schemes, Life Cycle Template Administration, Object Initialization Rules Administration, Participant Administration, Policy Administration, Preference Management, Promotion Preference Management, Publish and Thumbnail Control, Report Management, Team Administration, Type and Attribute Management, View Administration, Visualization Configuration Administration, Workflow Template Administration, Workflow Process Administration, WWS Job Monitor, and WWS Job Scheduler Administration. Under Auditing Administration, there are Audit Log Purge Management, Usage and License Reporting, and Security Audit Report Queries. The bottom status bar shows the URL as archana.wc/Windchill/app/#ptc1/site/listUtilities?oid=0R%3Awf.inf.container.ExchangeContainer%3A5&u8=1, the date as 10-10-2024, and the time as 16:33.

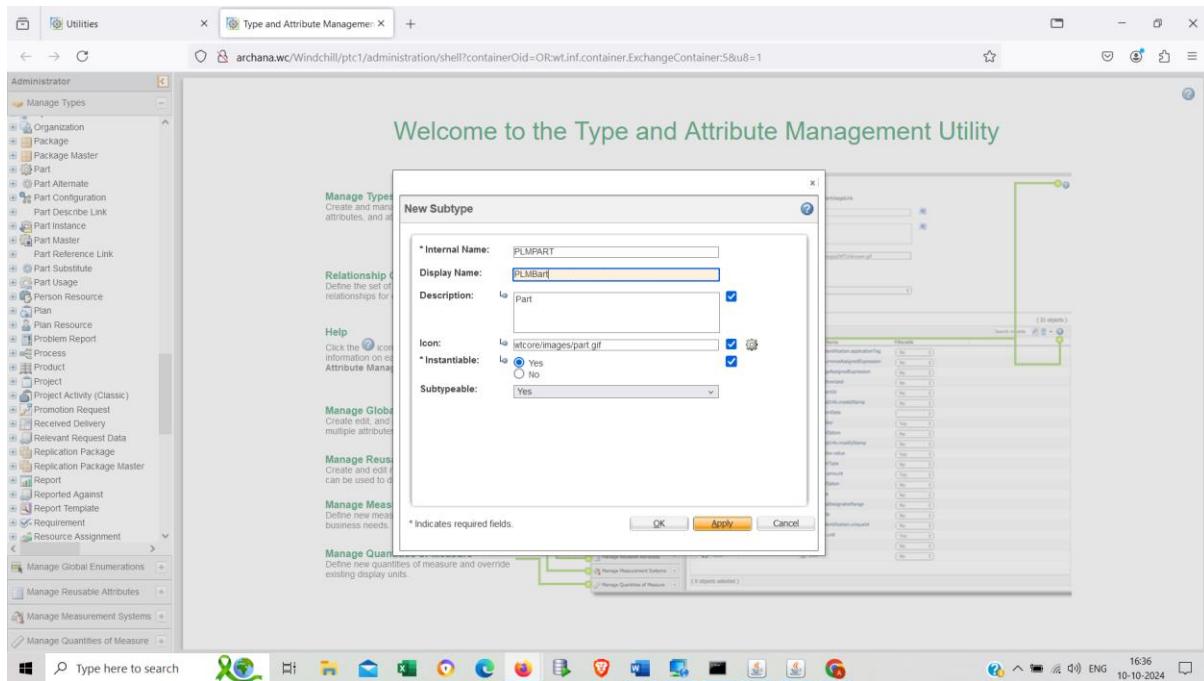
Step2: This page appears like this

The screenshot shows the Type and Attribute Management Utility. The left sidebar lists Manage Types, Manage Global Enumerations, Manage Reusable Attributes, Manage Measurement Systems, and Manage Quantities of Measure. The main area features a 'Welcome to the Type and Attribute Management Utility' message. Below it are sections for Manage Types, Relationship Constraints, Help, Manage Global Enumerations, Manage Reusable Attributes, Manage Measurement Systems, and Manage Quantities of Measure. On the right, a detailed configuration window titled 'Administrator - Type - Part Usage' is open. It shows fields for Intial Name (set to part.WHPartDesign), Display Name (part design), Description, and Subtypes (set to Yes). A large grid table lists various attributes with checkboxes for attributes like 'isAttributeType', 'isBooleanType', 'isDateType', etc. The bottom status bar shows the URL as archana.wc/Windchill/ptc1/administration/shell?containerOid=0Rwtf.inf.container.ExchangeContainer%3A5&u8=1, the date as 10-10-2024, and the time as 16:33.

Step3: click on Management type->choose part->r/c->select new subtype

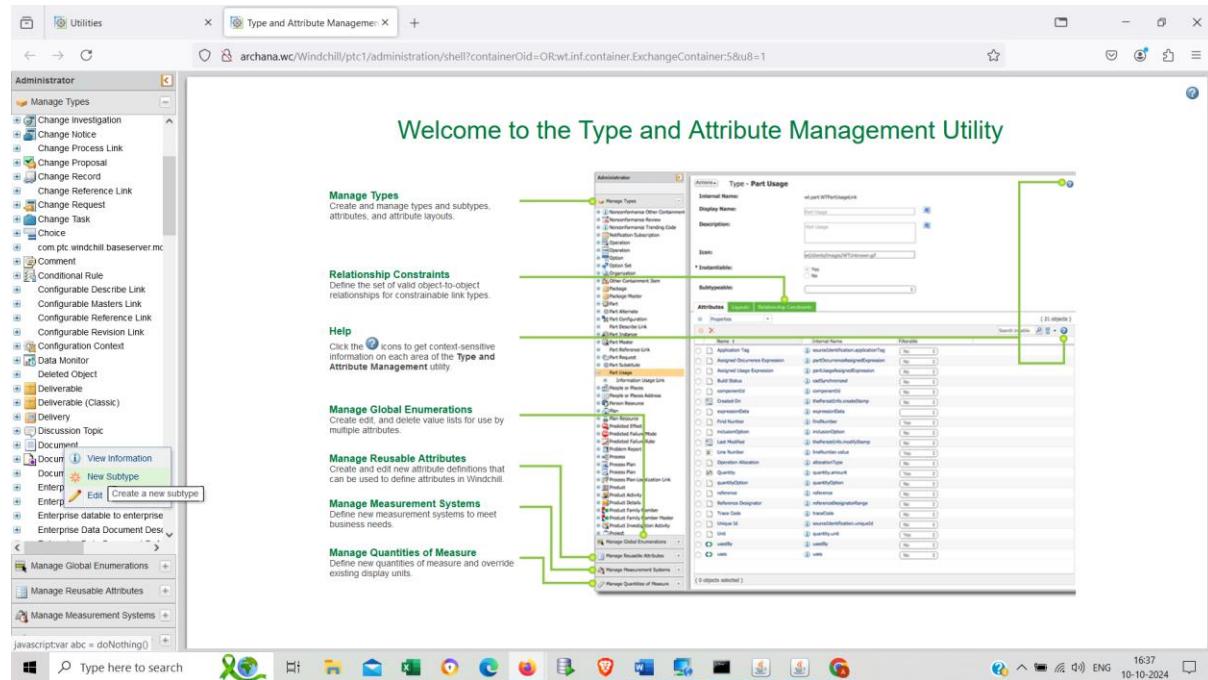


Step4: Give required fields and Apply

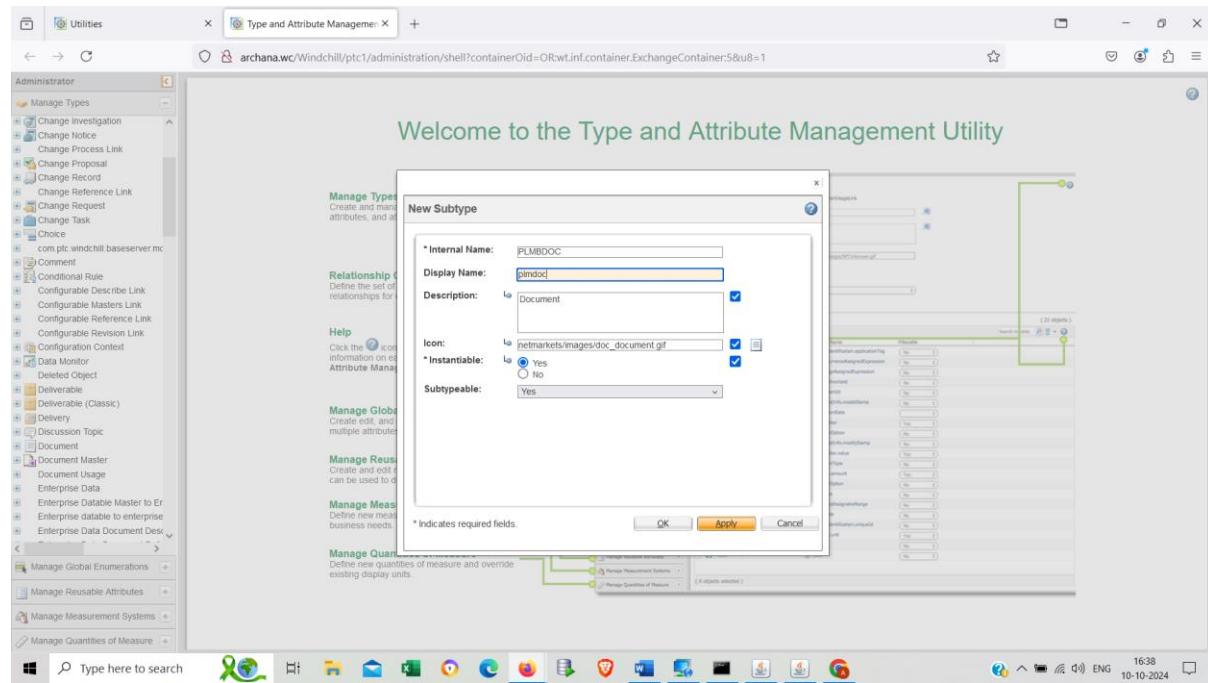


## 2. Create a Document subtype: "PLMBDoc" and work on the below points

step1: choose document -> r/c->select new subtype



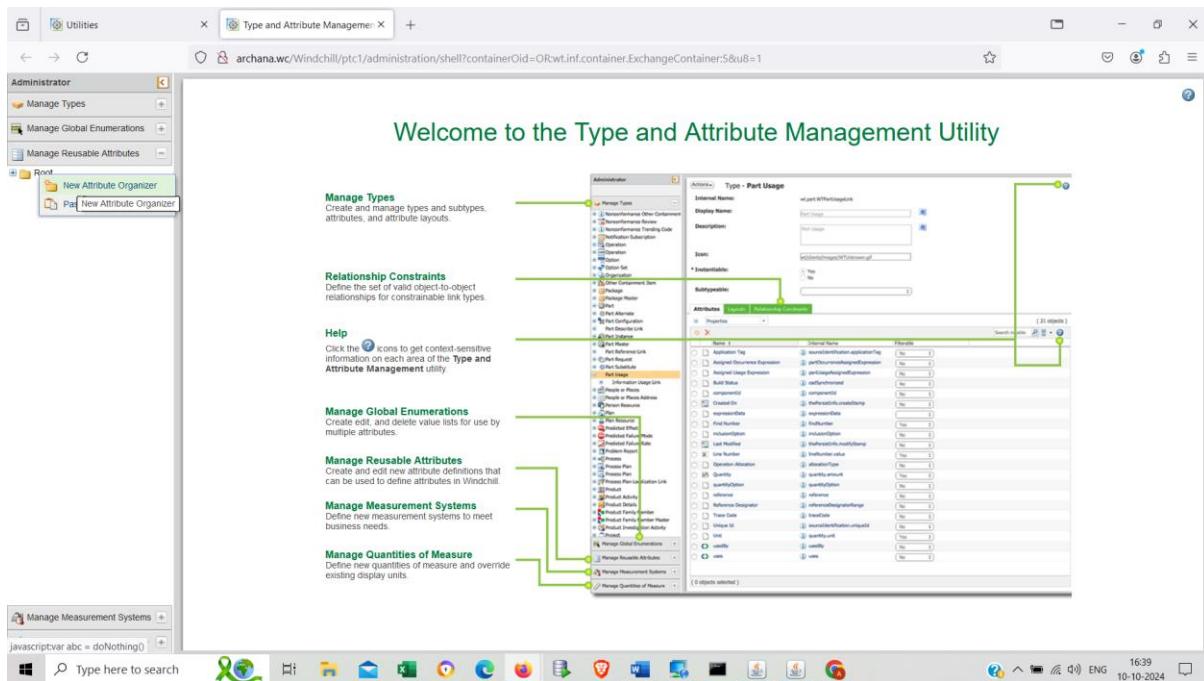
Step2: fill required fields ->Apply



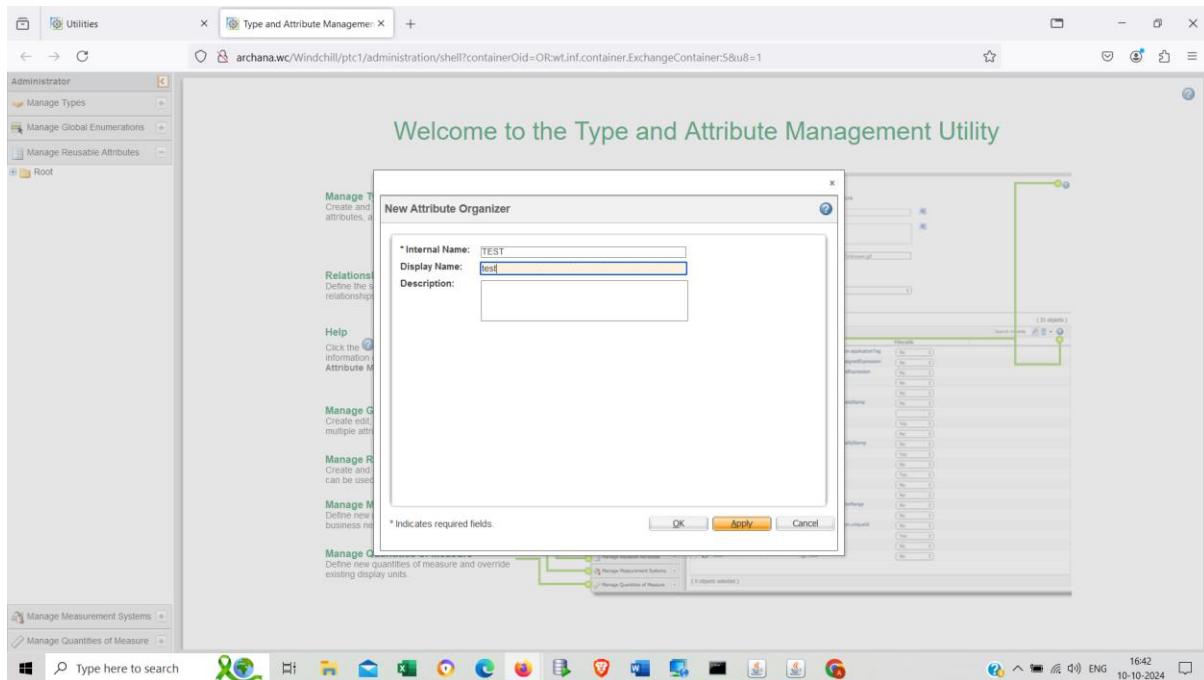
## 3.Create below global(reusable)attributes on PLMBPart Subtype

- Country -----string type
- States -----string type
- External-----Boolean type
- Issue Date-----Timestamp/date type
- Country of origin---- String type

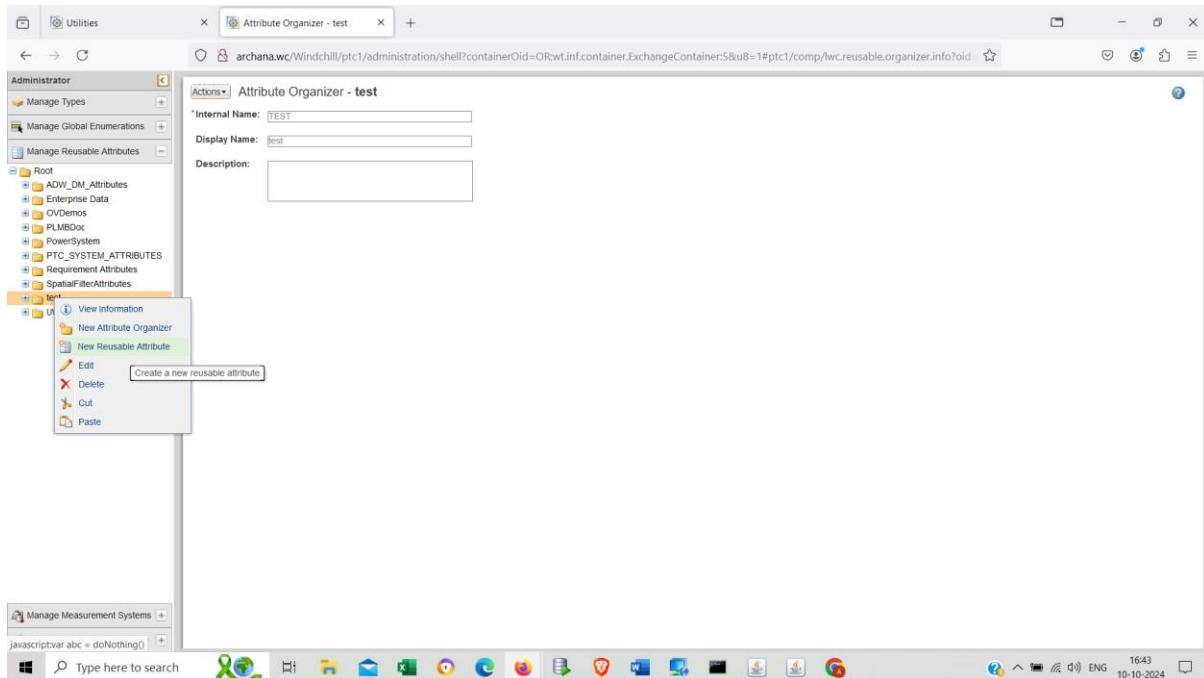
step1: go to Manage reusable Attribute->root->r/c->new Attribute organizer



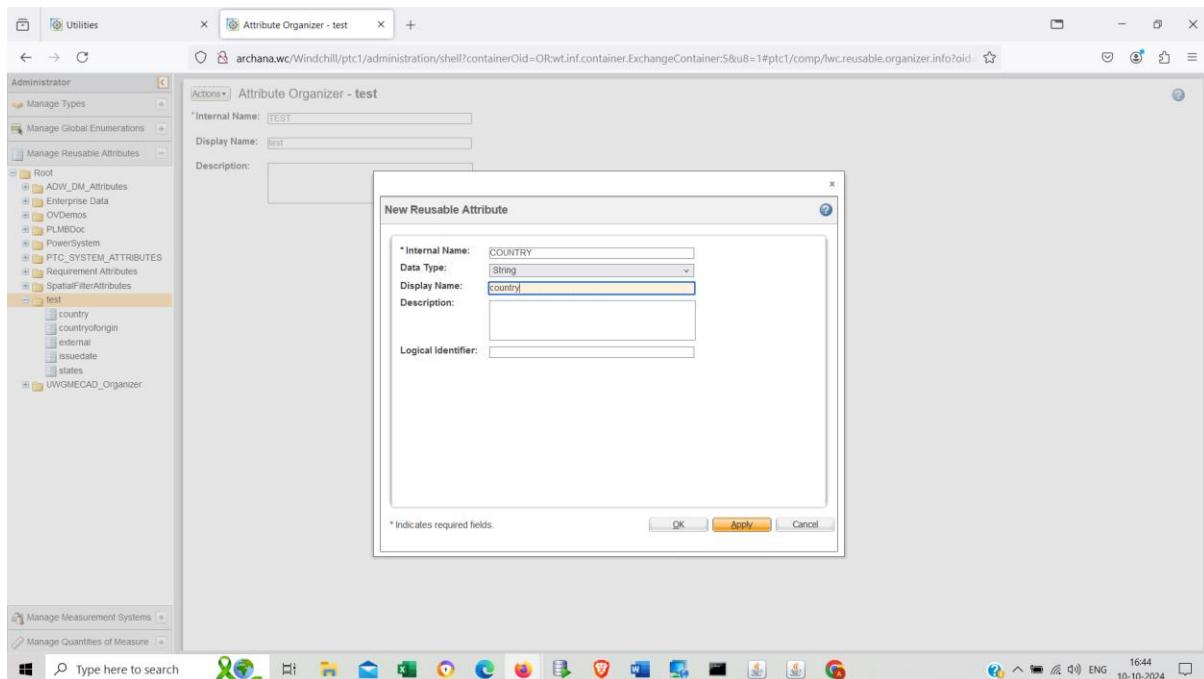
Step2: give name(test) and Apply (this create a folder)



Step3: choose test (created folder)->r/c->New reusable Attribute



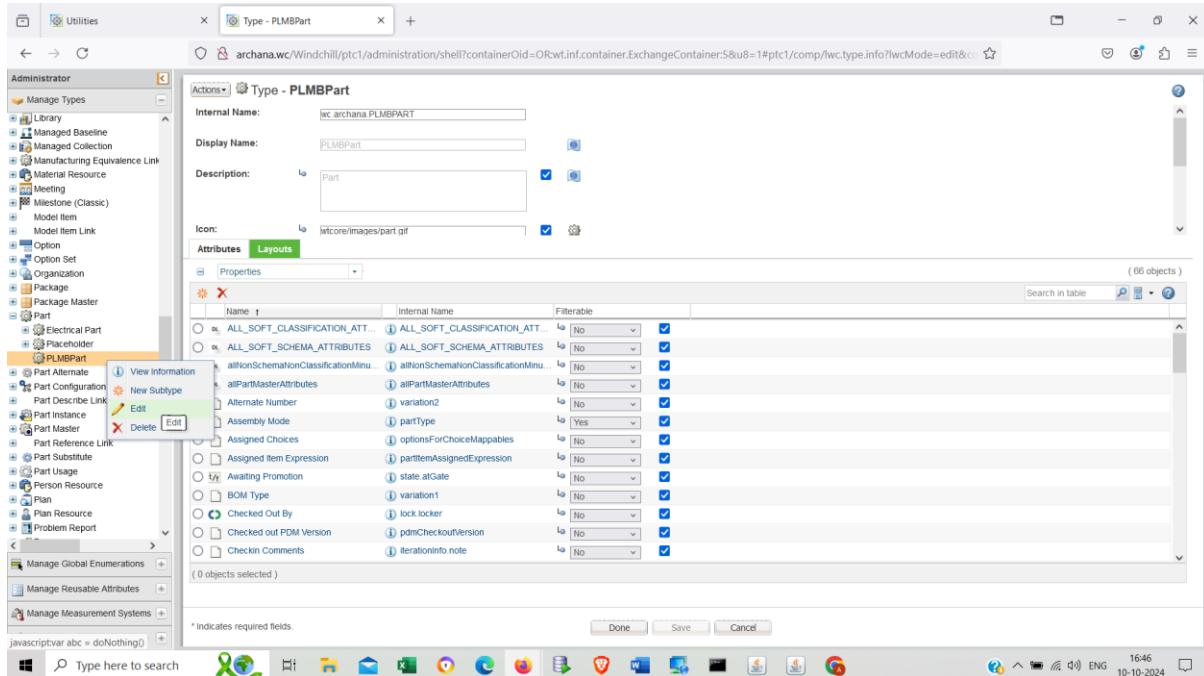
Step4: (a)Fill required fields as shown below->Apply



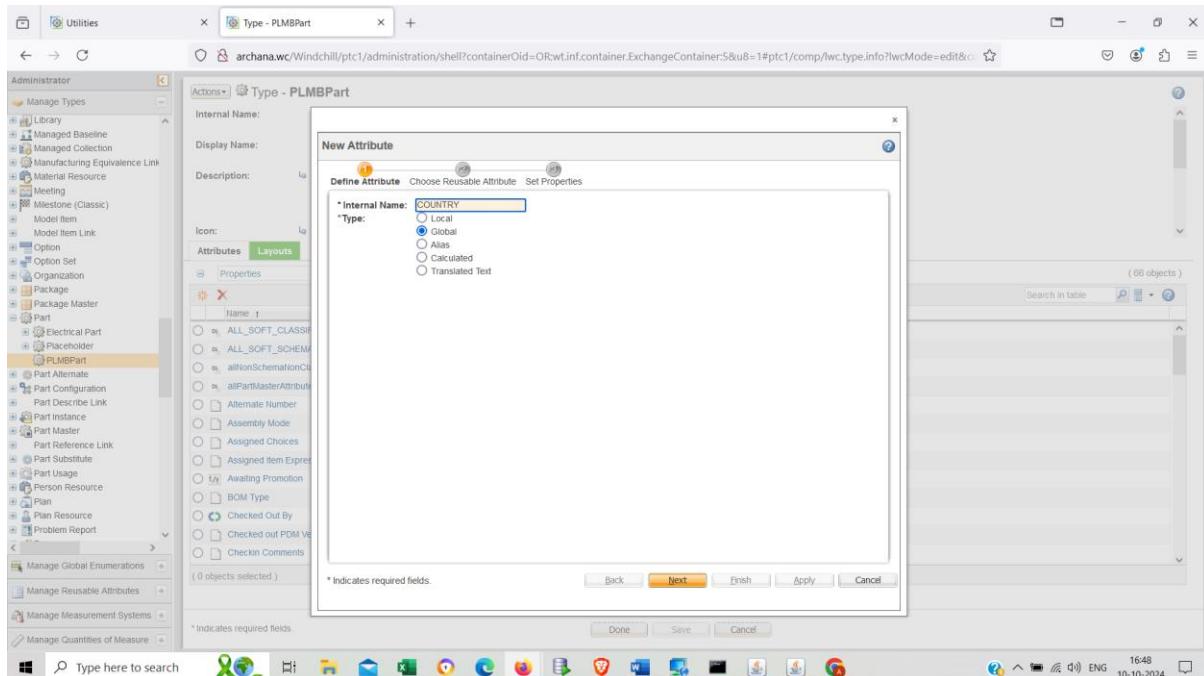
Step5: follow the above steps to create remaining attribute

- b)States -----string type
- c)External-----Boolean type
- d)Issue Date-----Timestamp/date type
- e)Country of origin--- String type

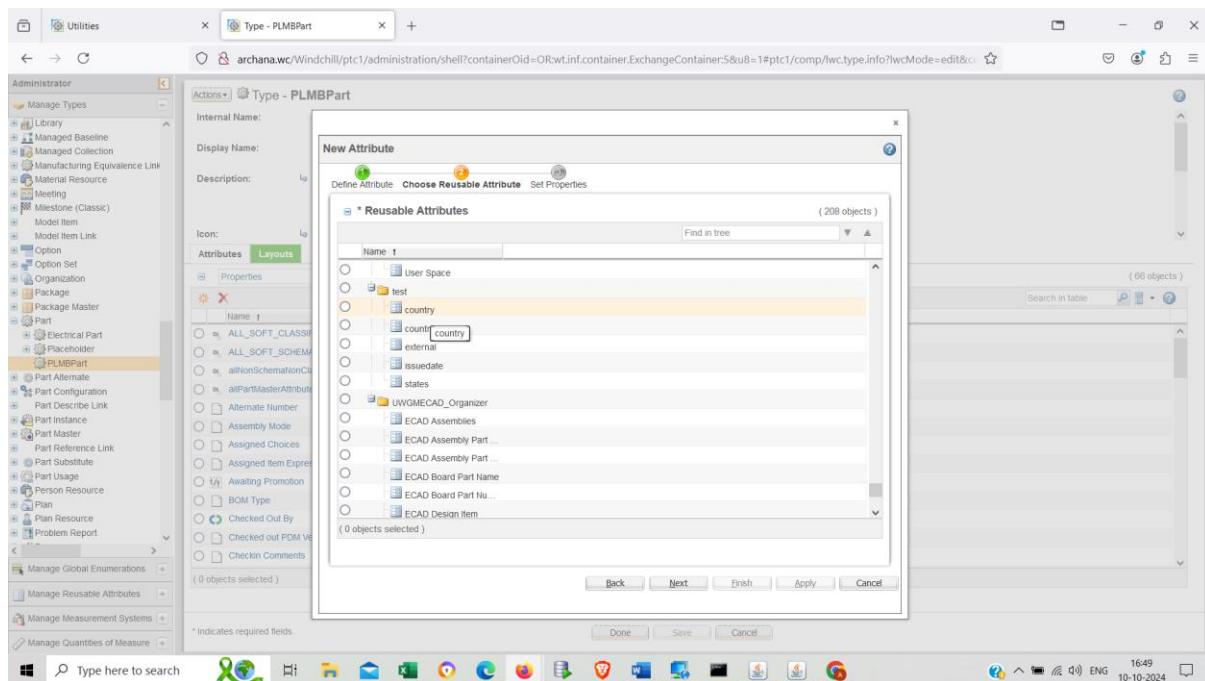
## Step6: go to Manage Types->part-> PLMBPart->r/c->edit



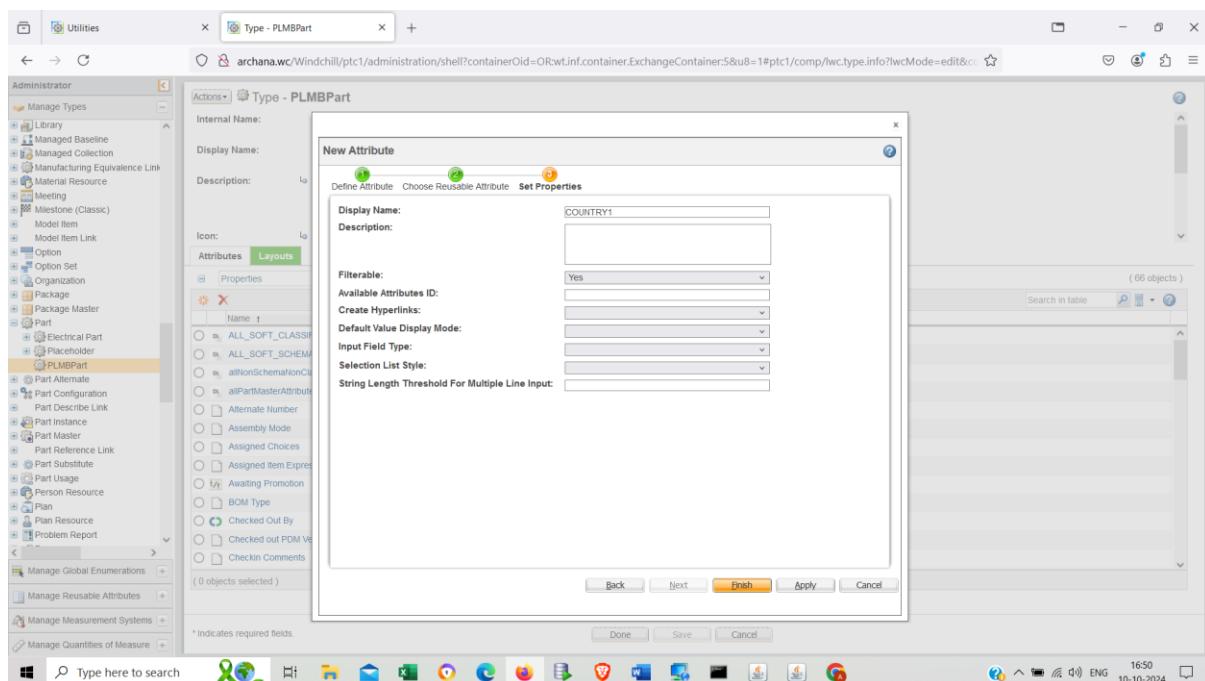
## Step6: select new Attribute -> fill details as shown below->next



### Step7: choose test folder->country->next



### Step8: give Display name -> Finish



### Step9: follow above steps for remaining attributes

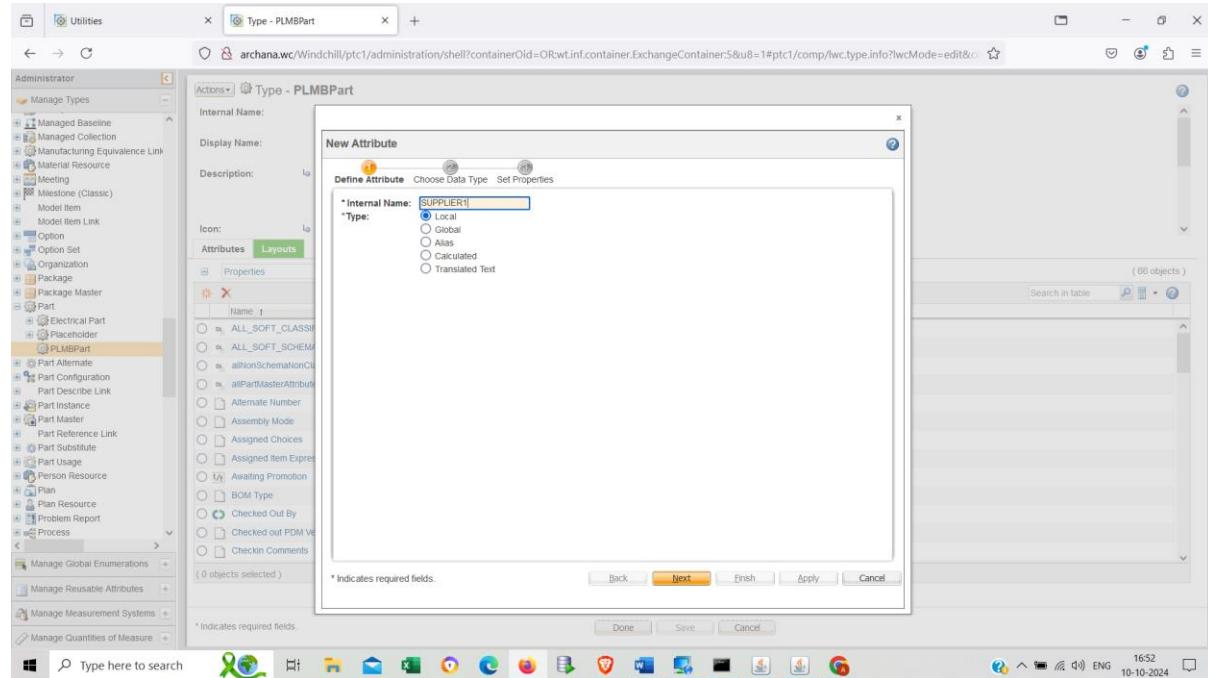
- b)States -----string type
- c)External-----Boolean type
- d)Issue Date-----Timestamp/date type
- e)Country of origin--- String type

#### 4. Create one local attribute for PLMBPart Subtype.

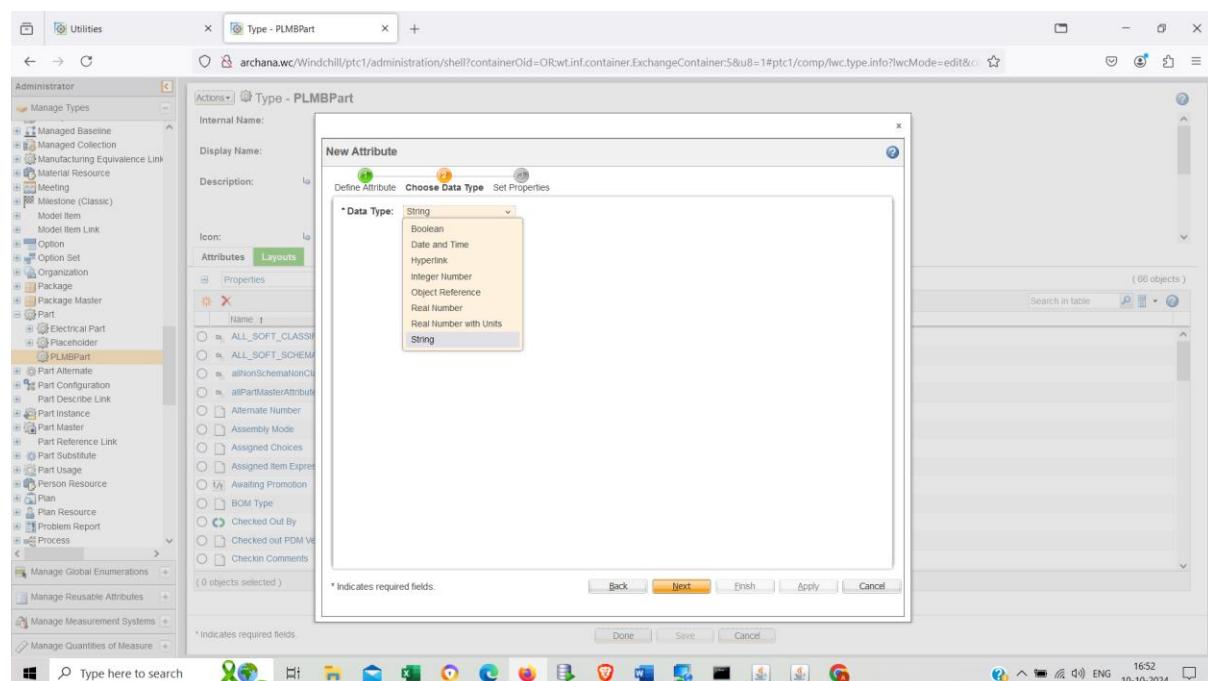
##### a) Supplier-----String type

Note: First, attempt to reproduce the error and observe it.

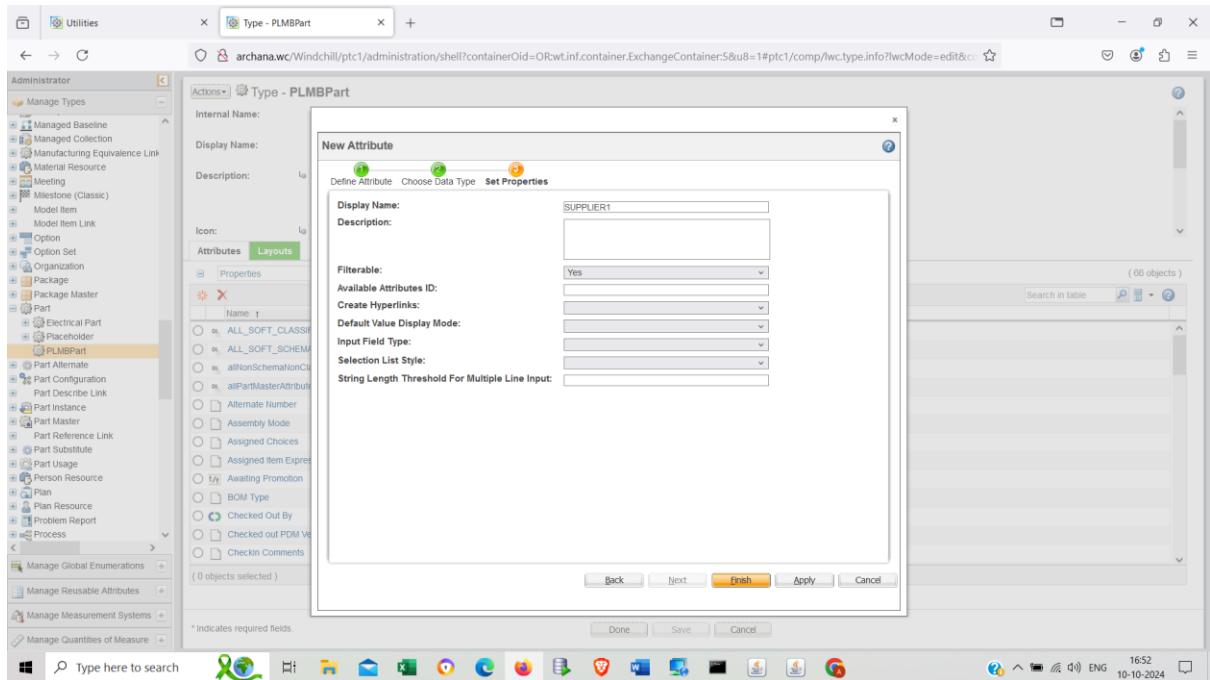
Step1: go to Manage types-> part->PLMBPart->r/c->edit->New Attribute-> give internal name and choose local->Next



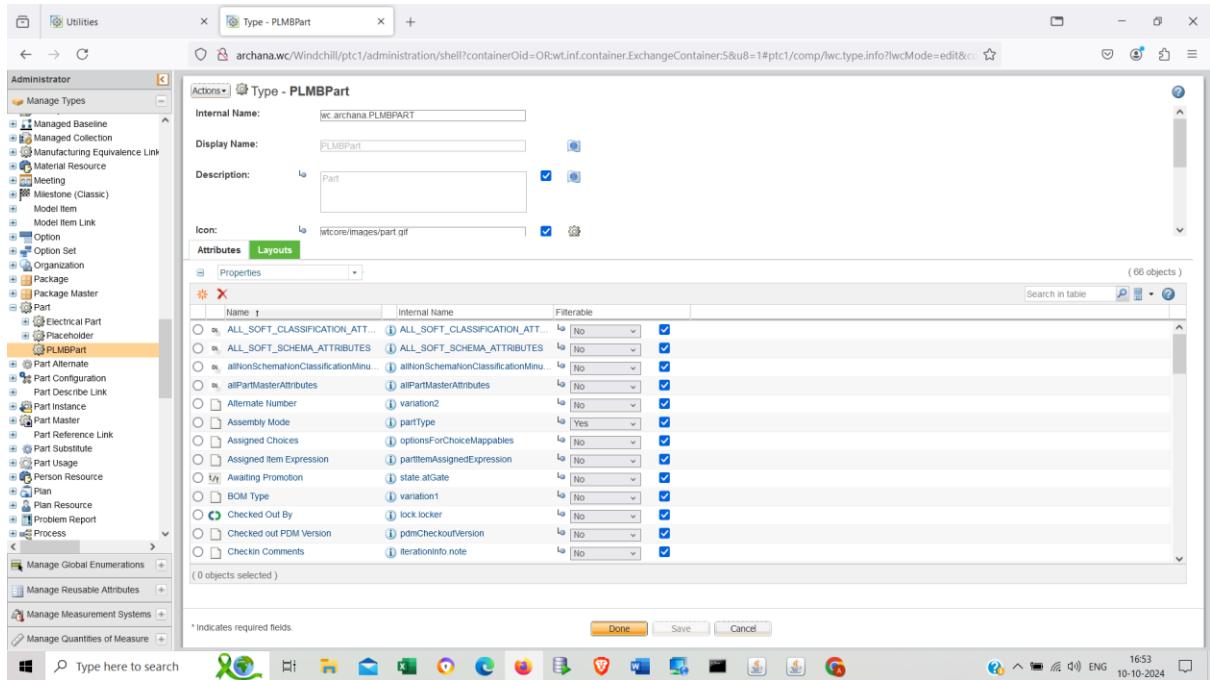
Step2: choose datatype as String ->Next



### Step3: fill required fields ->Finish



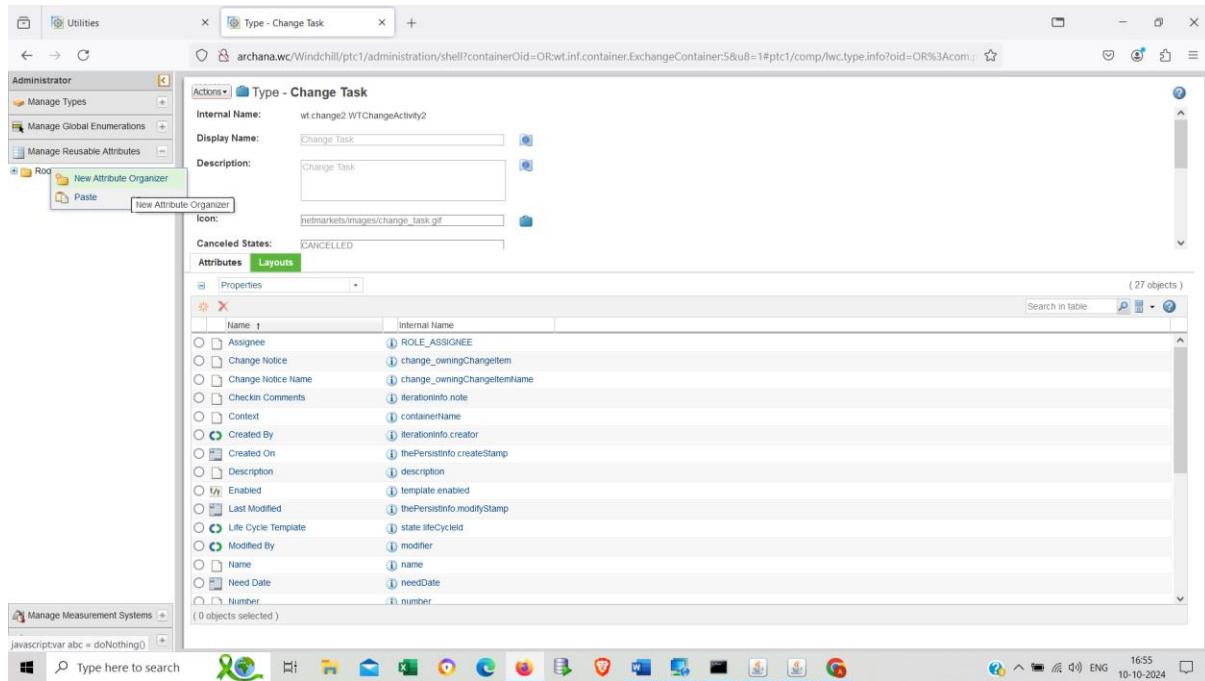
### Step4: click on Done



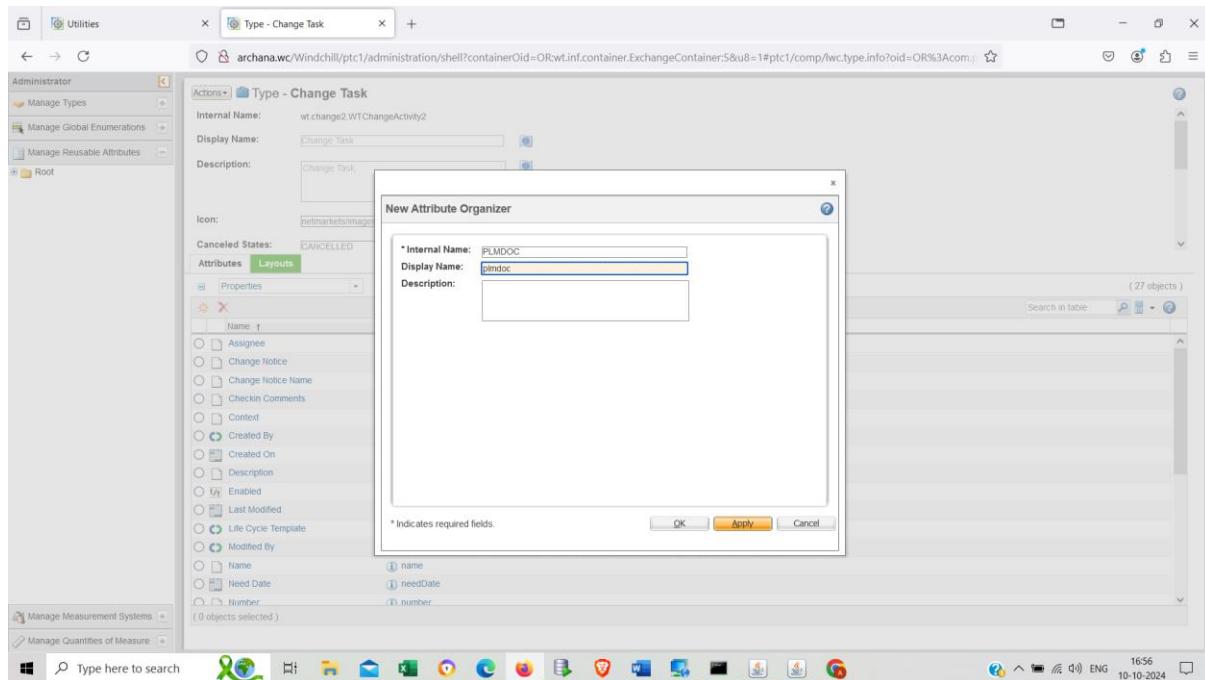
### 5.Create below global(reusable)attributes on PLMBDoc Subtype

- a) Creation Date----Timestamp/date type
- b) Author--string type
- c) Mandatory--Boolean type
- d) Language---String type

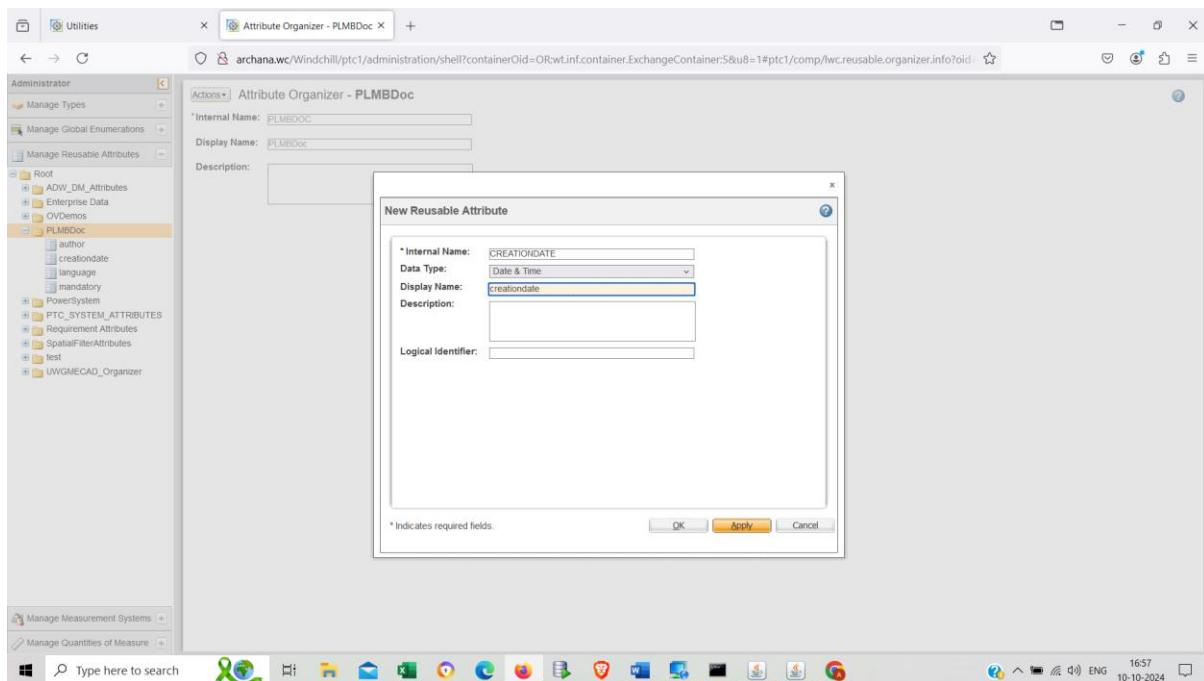
Step1: choose Manage reusable Attributes ->root->r/c->New Attribute Organizer



Step2: New Attribute organizer-> fill the fields as shown below->Apply(this creates new folder as PLMBDoc )



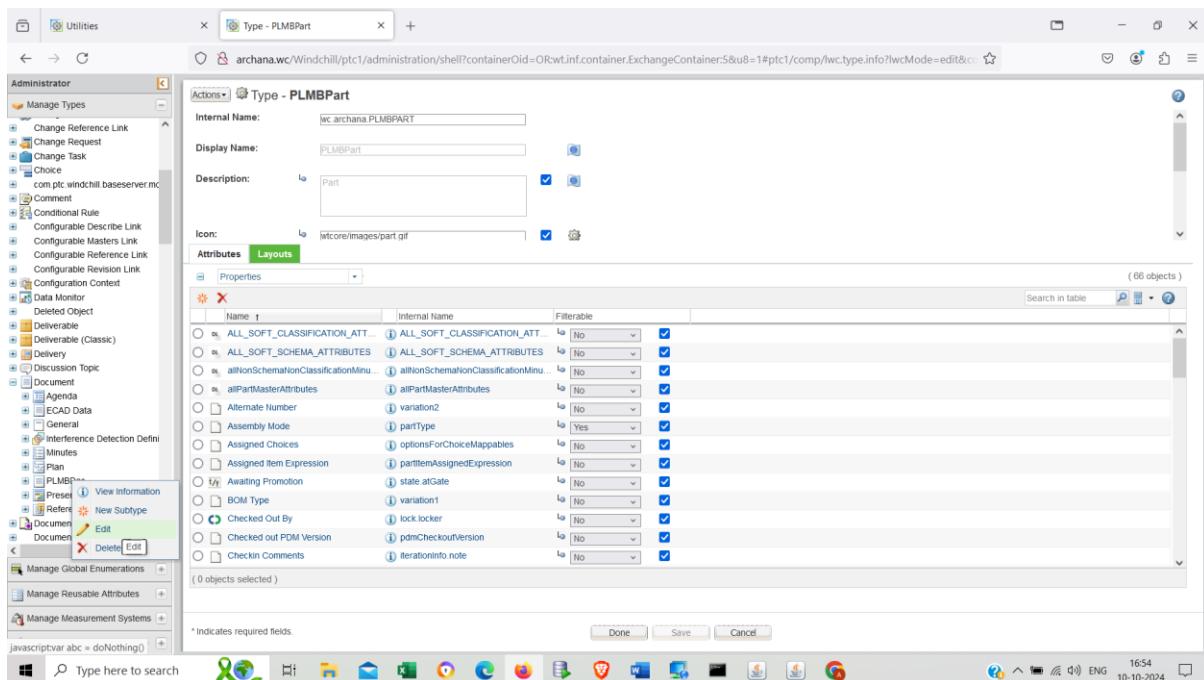
Step3: r/c on PLMBDoc->new reusable Attribute-> fill appropriate fields as shown below->Apply



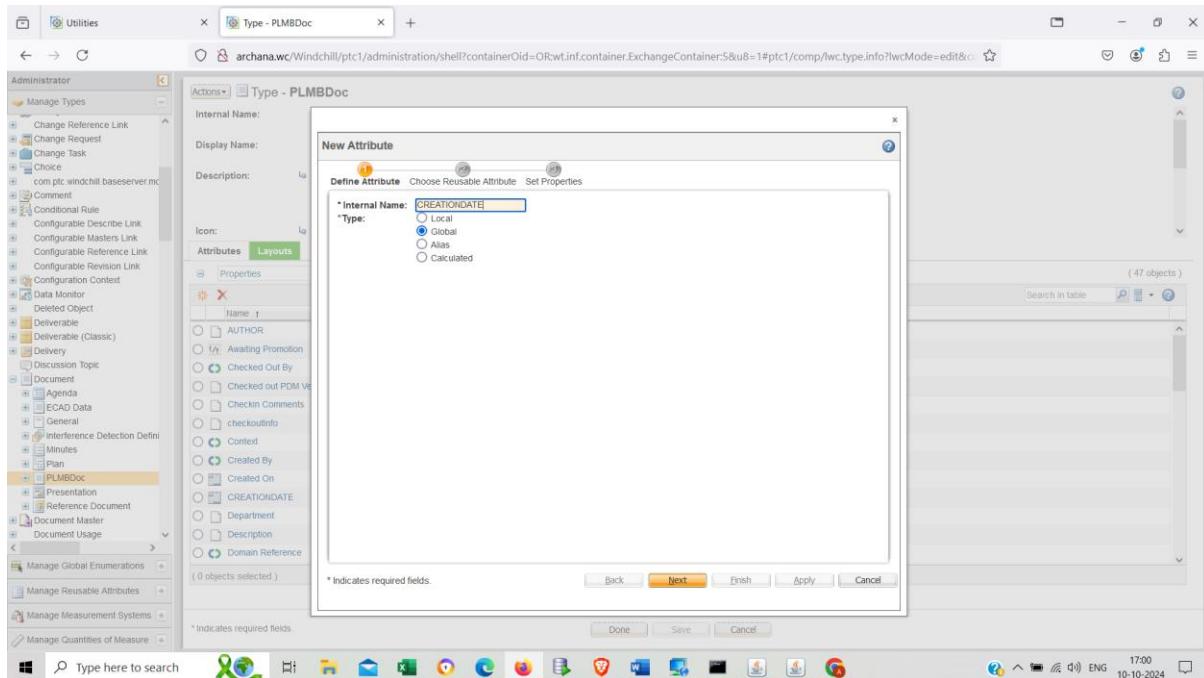
Step4: follow n create remaining Attributes as above.

- b) Author---string type
- c) Mandatory---Boolean type
- d) Language---String type

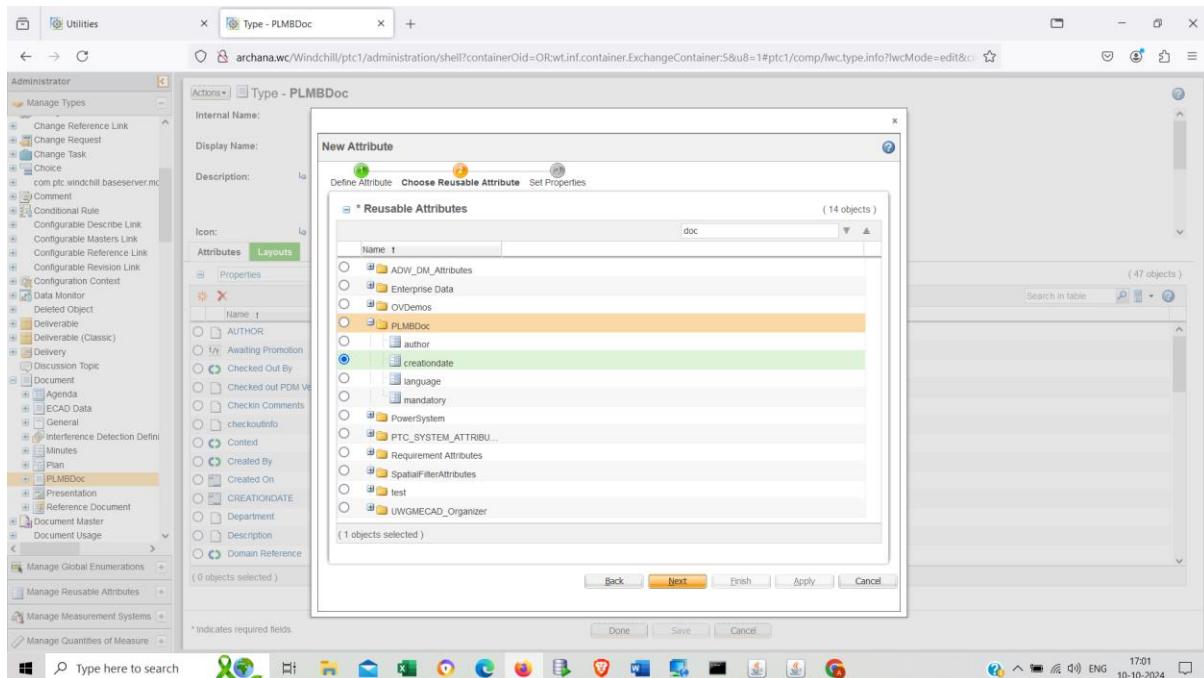
step5: go to Manage Types->Document->PLMBDoc->r/c->Edit



Step6: create New Attribute -> fill required fields as shown below->next



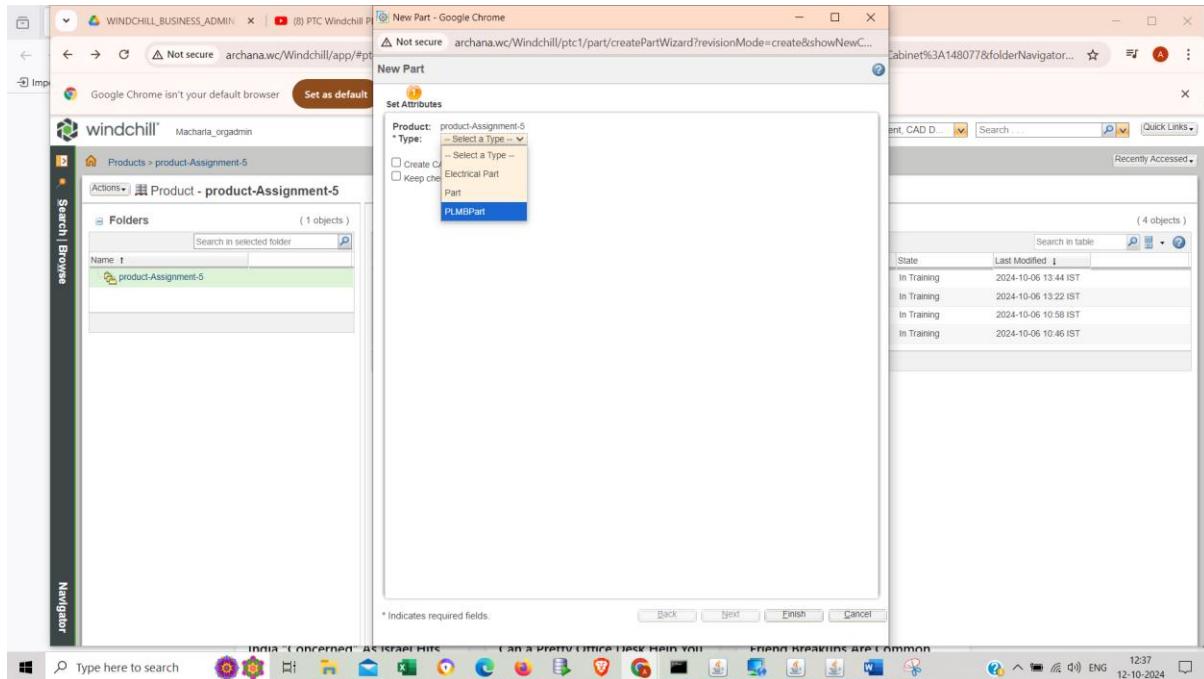
Step7: choose PLMBDoc->creationdate=>next



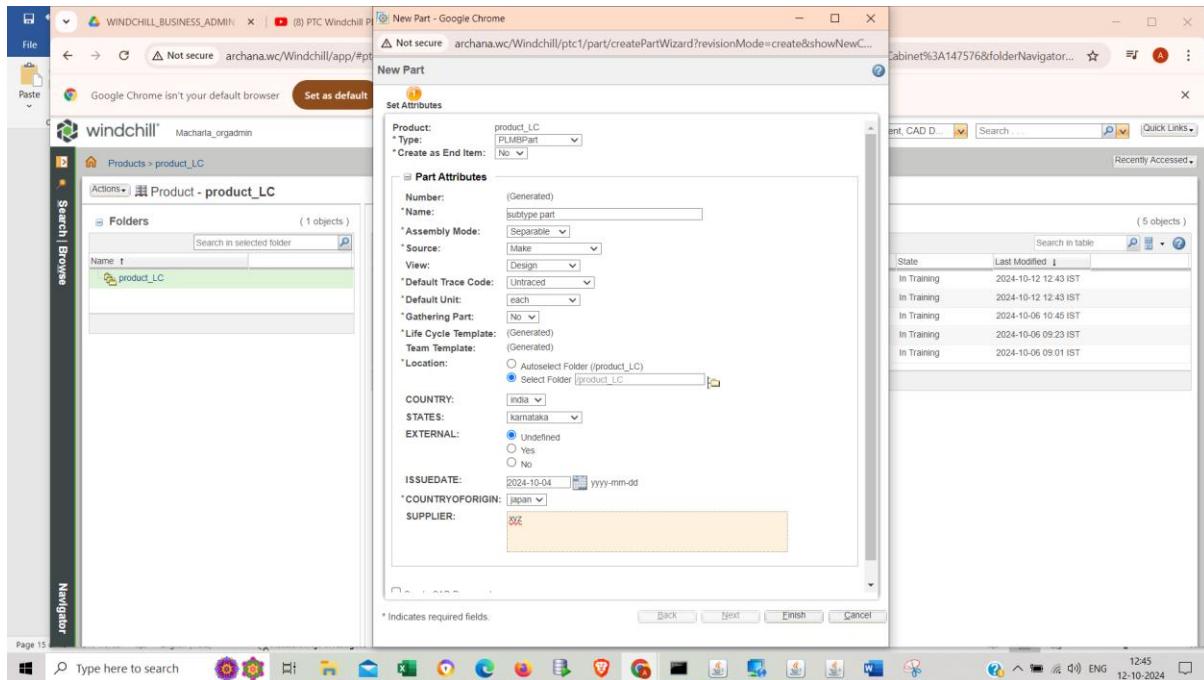
Step7: fill appropriate fields -> finish

6. The user should be able to see Country, States, External, and Issue date in the create page.

Step1: go to product->folders->create part->choose PLMBpart->finish



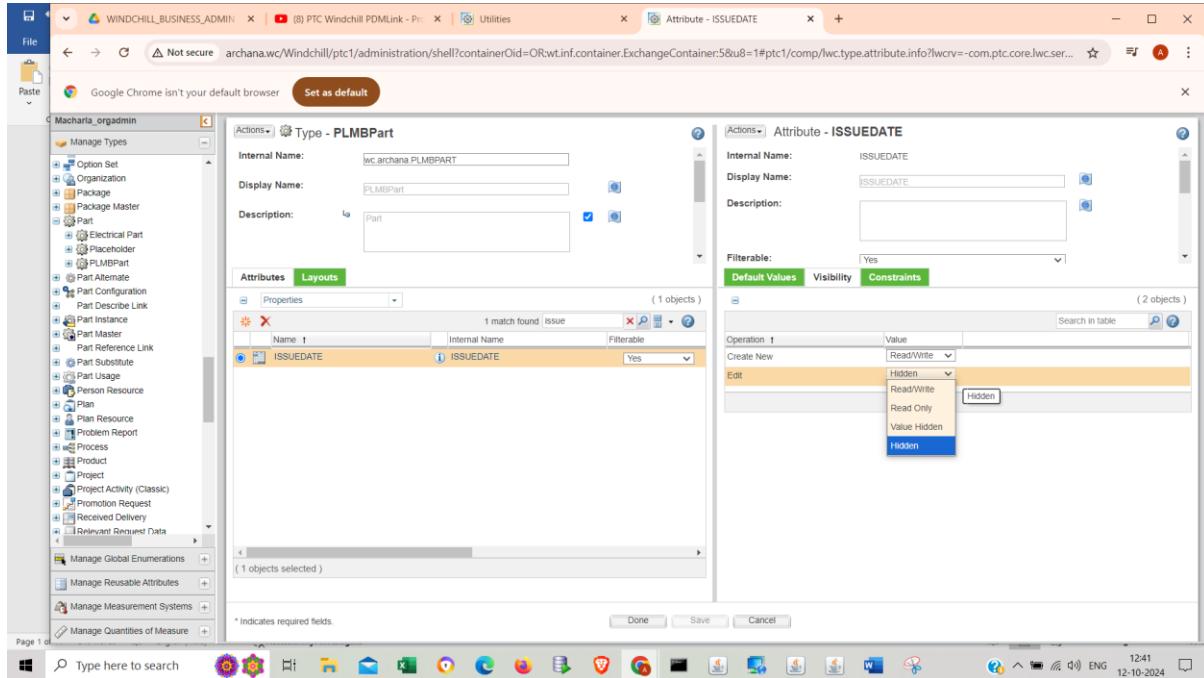
Step2: observe the newly created Attributes are created or not.



7. The user should not be able to see Issue date on the edit page but can see Country, States, and External.

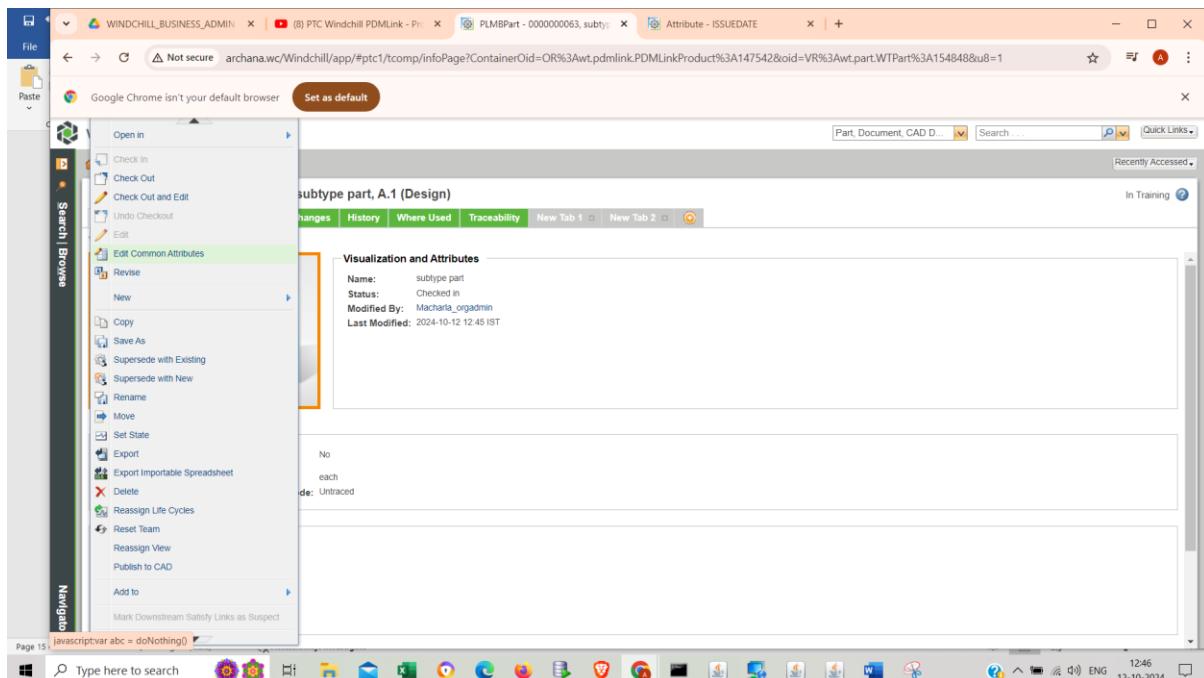
step1: go to Manage Type-> part->PLMBPart->r/c->Edit

Step2: search ISSUEDATE attribute ->Visibility->choose **Hidden** option in dropdown list->Done

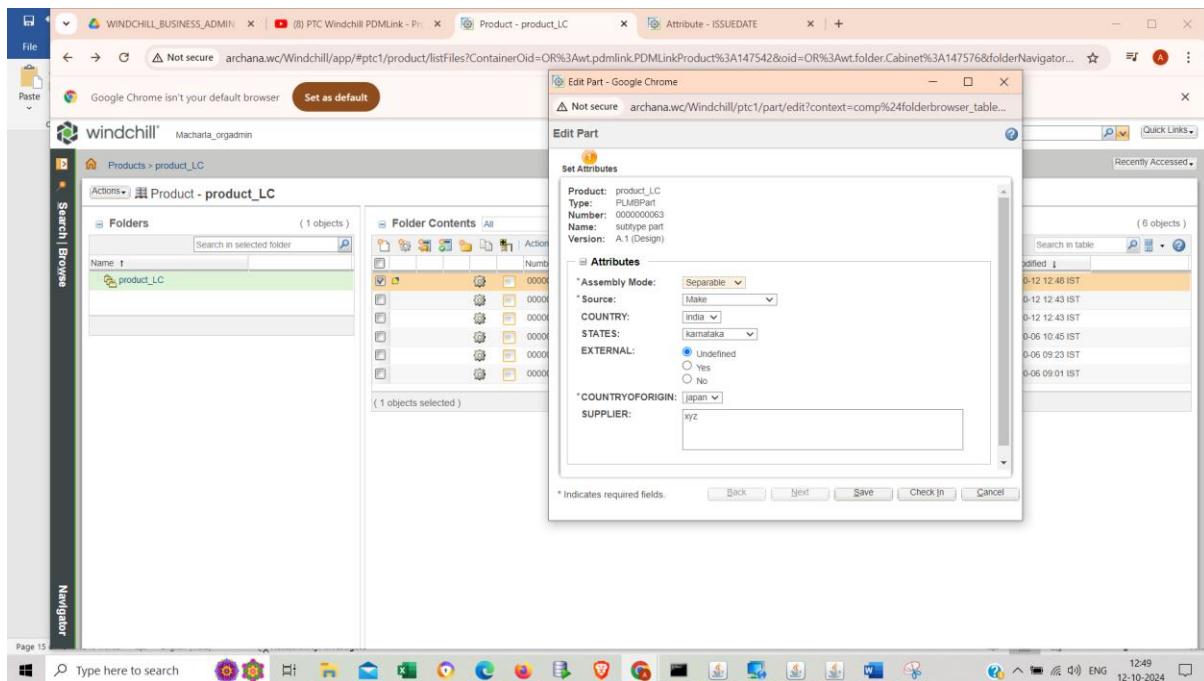


Step3: go to newly created part just before (for this go to products-> folders)-> details of that part.

Step4: Actions->Edit Common Attributes

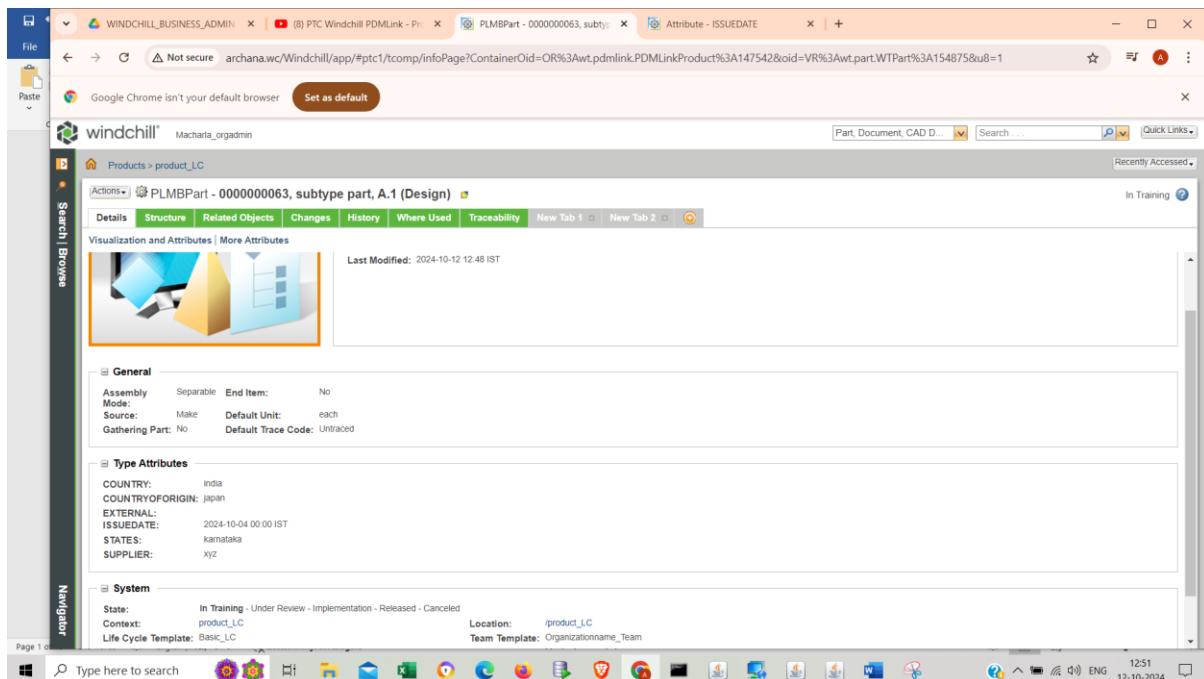


Step5: observe the below page (don't show the ISSUEDATE attribute)



8. In the View page all 4 attributes should be visible.

Step: go to the newly created part and observe newly added Attributes



9. Create a global enumeration where the Country should have values like India, China, and USA, in the dropdown.

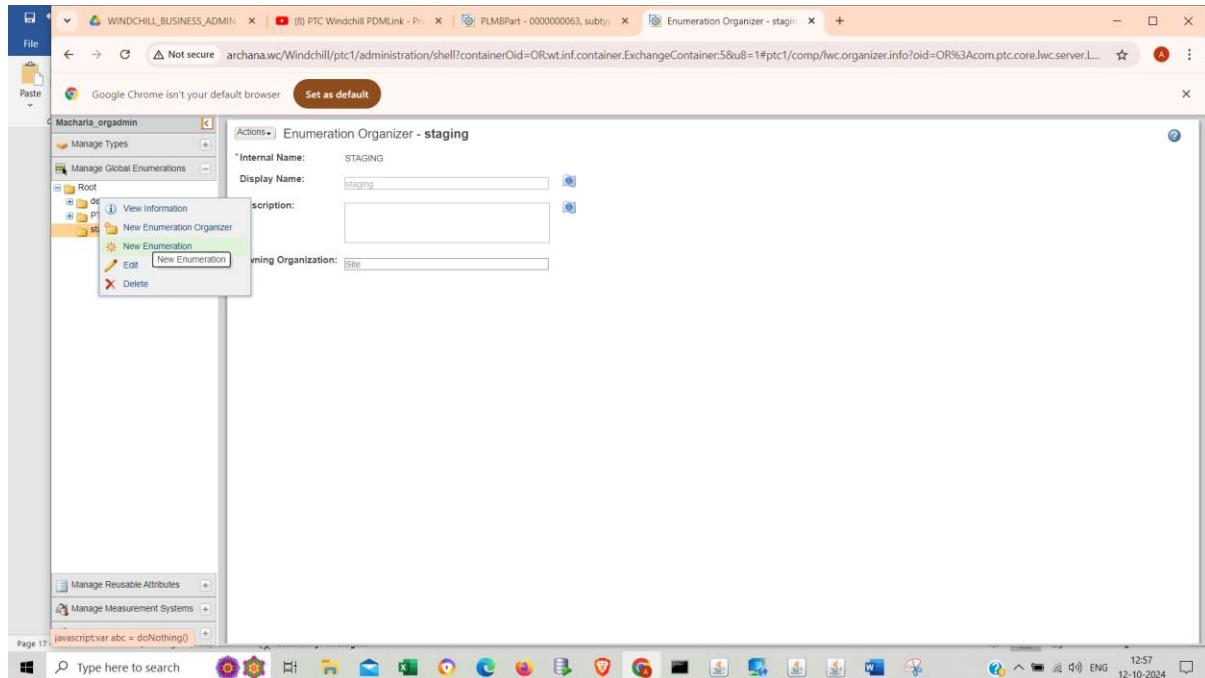
step1: go to Manage Global Enumeration->root->New Enumeration organizer

The screenshot shows the 'Manage Global Enumerations' section of the PTC Windchill interface. A new enumeration named 'PLMBPart' is being created under the 'Root' category. The internal name is set to 'wc.archana.PLMBPART'. The display name is 'PLMBPart' and the description is 'Part'. In the 'Attributes' tab, a search for 'country' finds two entries: 'COUNTRY' and 'COUNTRYOFORIGIN', both marked as filterable and yes. The status bar indicates '(2 objects selected)'. At the bottom, there are 'Done' and 'Save' buttons.

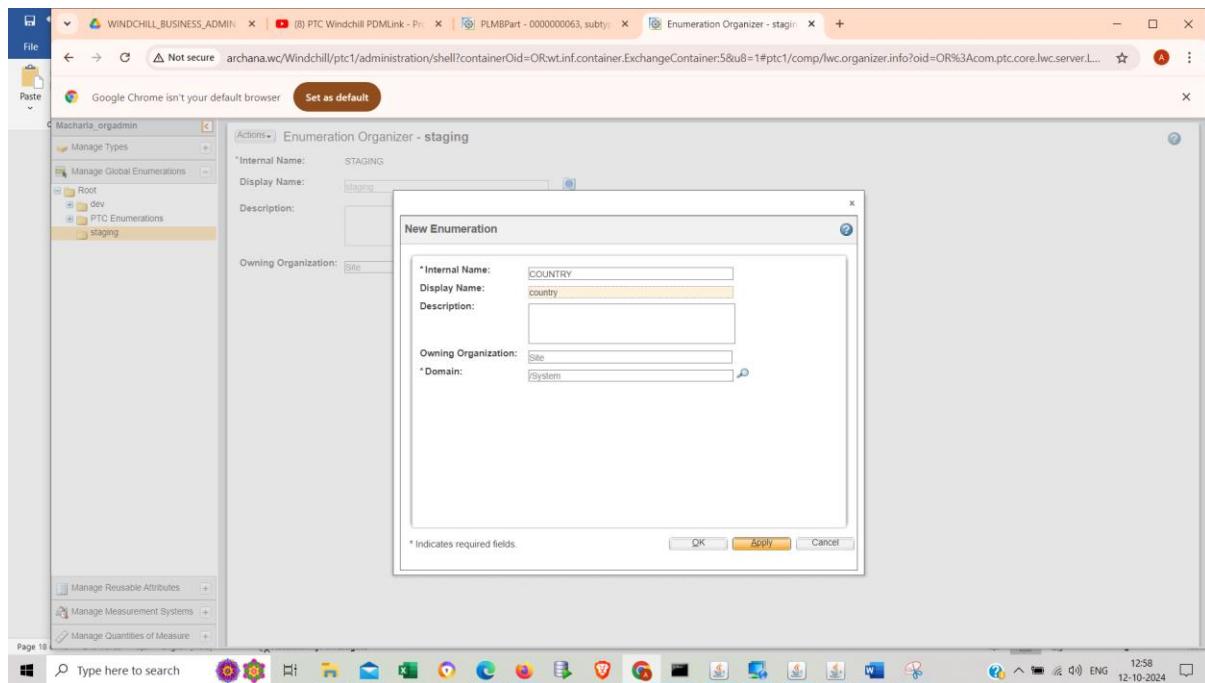
Step2: fill required fields (this step create a folder)->Apply

The screenshot shows the 'Enumeration Organizer - staging' section of the PTC Windchill interface. A new folder named 'DEV' is being created under the 'Root' category. The internal name is 'DEV', the display name is 'dev', and the description is empty. The status bar indicates '\* Indicates required fields.' and there are 'OK', 'Apply', and 'Cancel' buttons at the bottom.

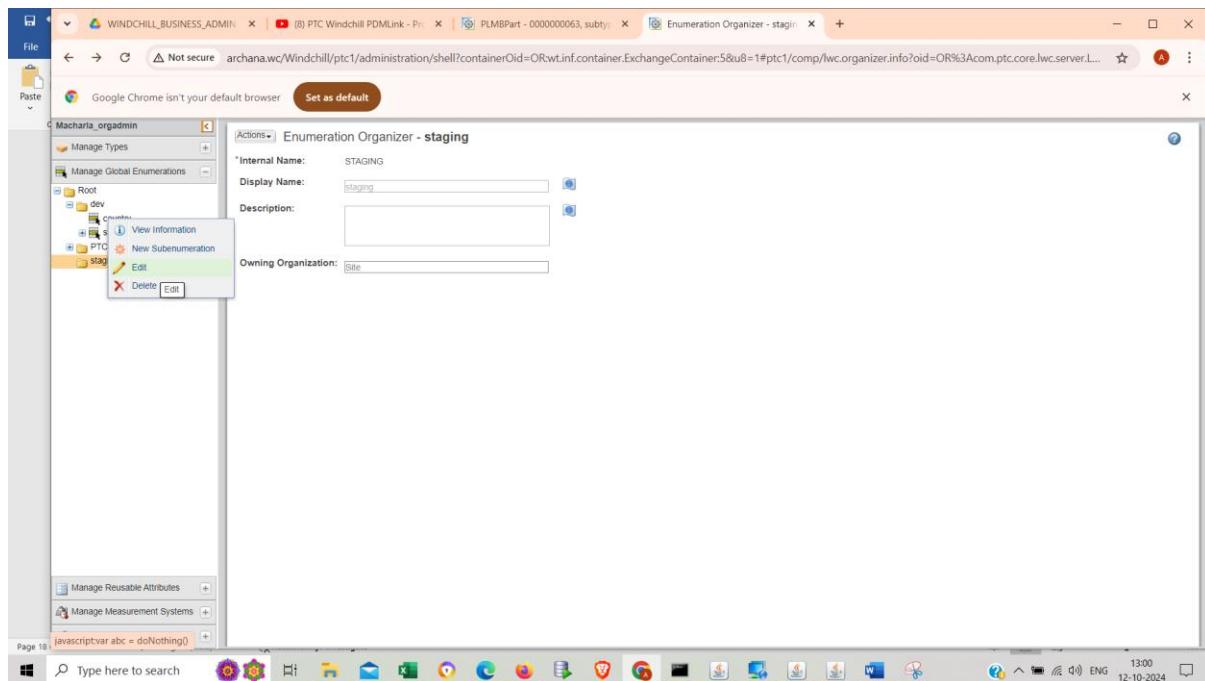
Step3: r/c on newly created folder->New Enumeration



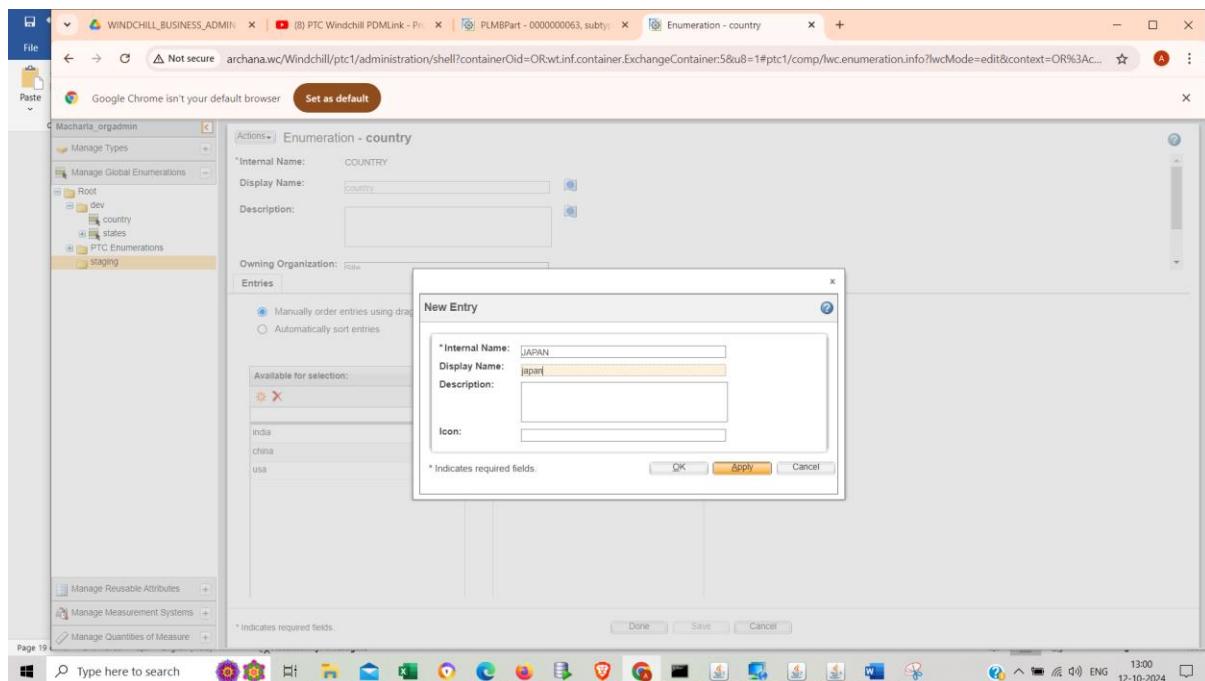
Step4: fill appropriate fields as Shown below->Apply (internal name as COUNTRY)



Step5: select on country->r/c ->Edit



Step6: create new Entry as JAPAN ->Apply

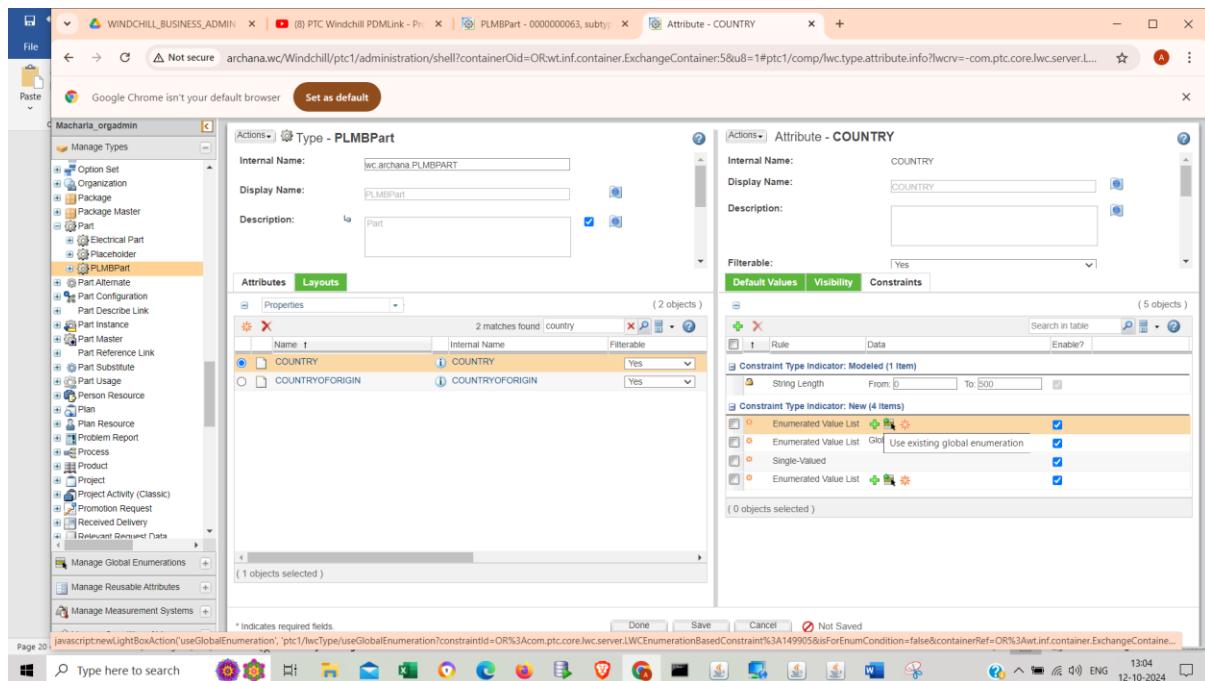


Step7-> create new Entry same for India, China, and USA ->Done

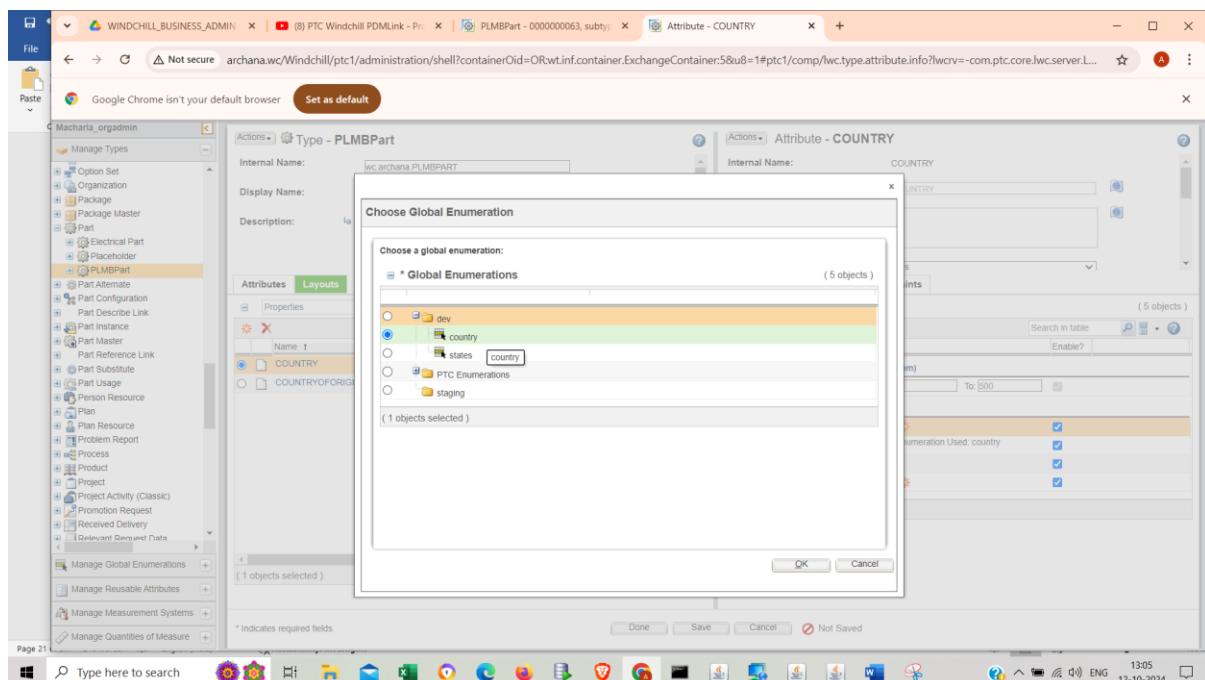
Step8->go to Manage Types -> Part->PLMBPart->r/c->edit

Step9-> click on Constraints->click on + icon ->choose Enumerated Value list->ok

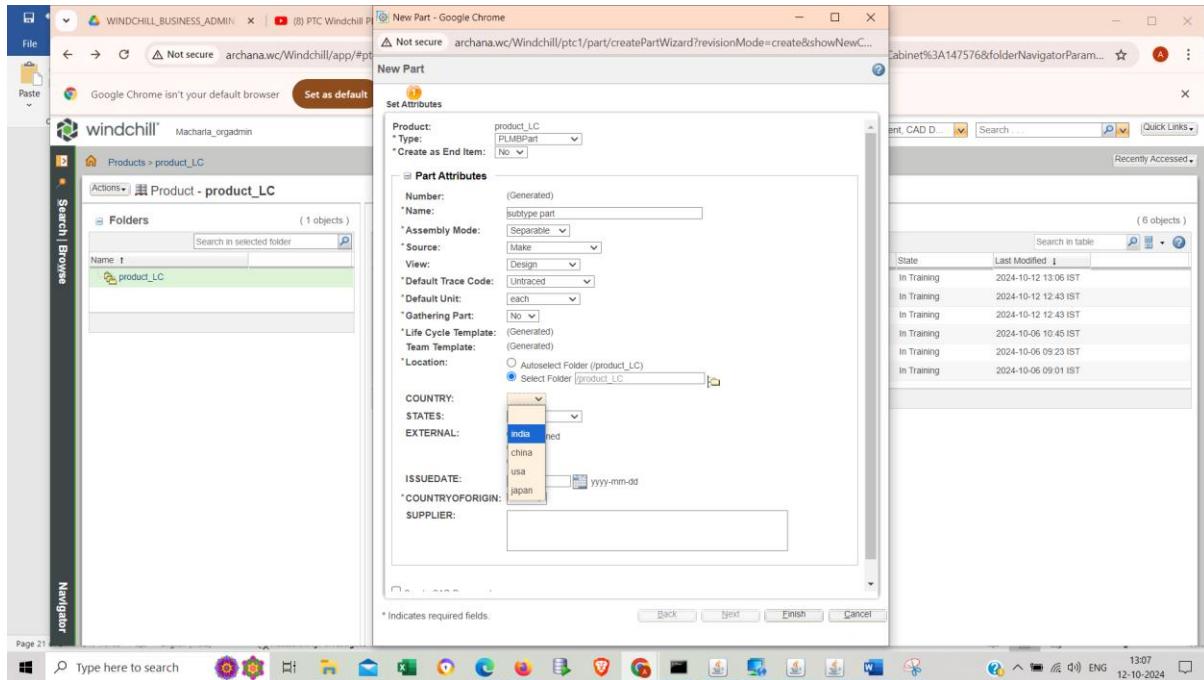
Step10-> click on use existing global enumeration after the Enumerated Value List



Step11: created folder->Country->ok



Step12: go to new PLMBPart-> check the drop down list on COUNTRY attribute and observe the list we gave.

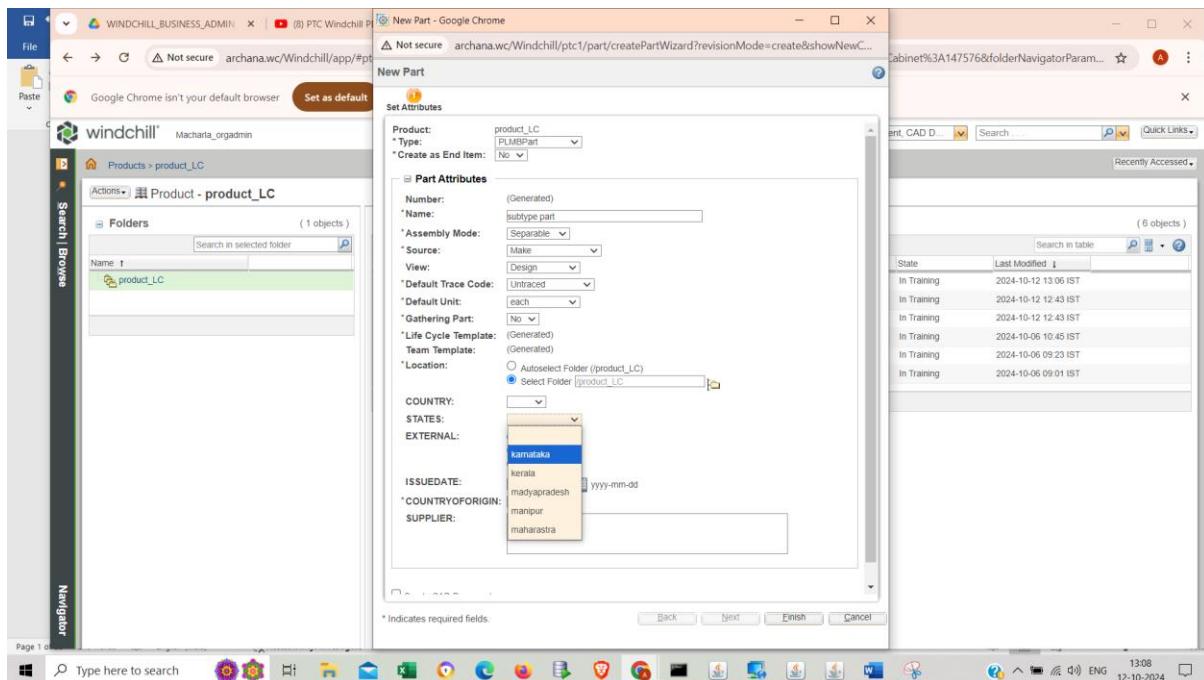


10. States should have values like Karnataka, Kerala, Madhya Pradesh, Manipur, Maharashtra, Ch1, ch2, us1, us2, in dropdown.

Step1: follow the above 9 th Assignment steps for this we create States instead of Country

Step2: create these values Karnataka, Kerala, Madhya Pradesh, Manipur, Maharashtra, Ch1, ch2, us1, us2 under States Attribute.

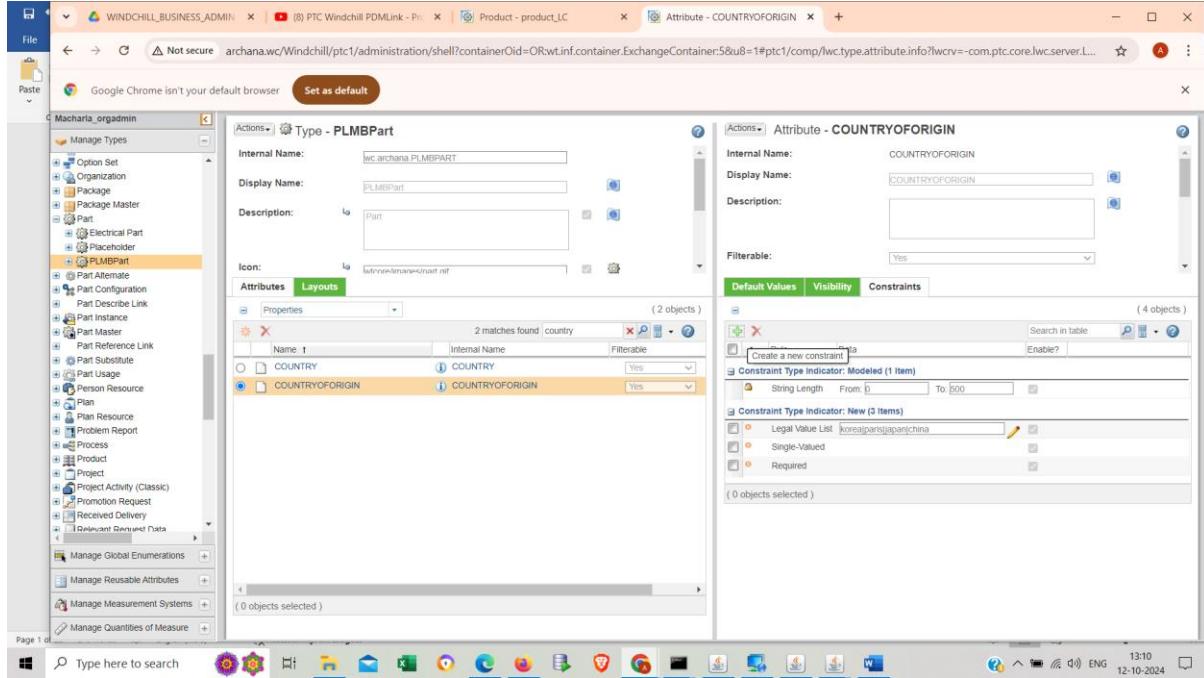
Step3: go to new PLMBPart -> observe in States Attribute dropdown list, it appears as shown below.



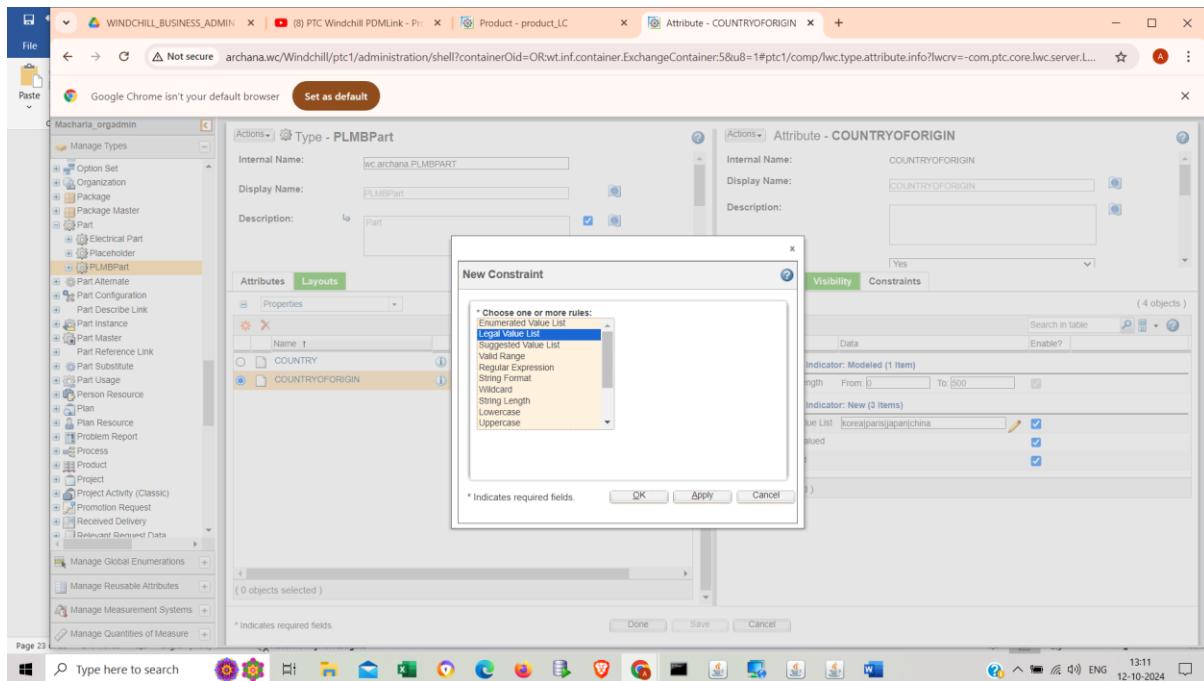
11. Create a legal value list for the Country of origin where values should be like Korea, Paris, Japan, and China.

step1: go to Manage type->part->PLMBPart-<r/c>edit

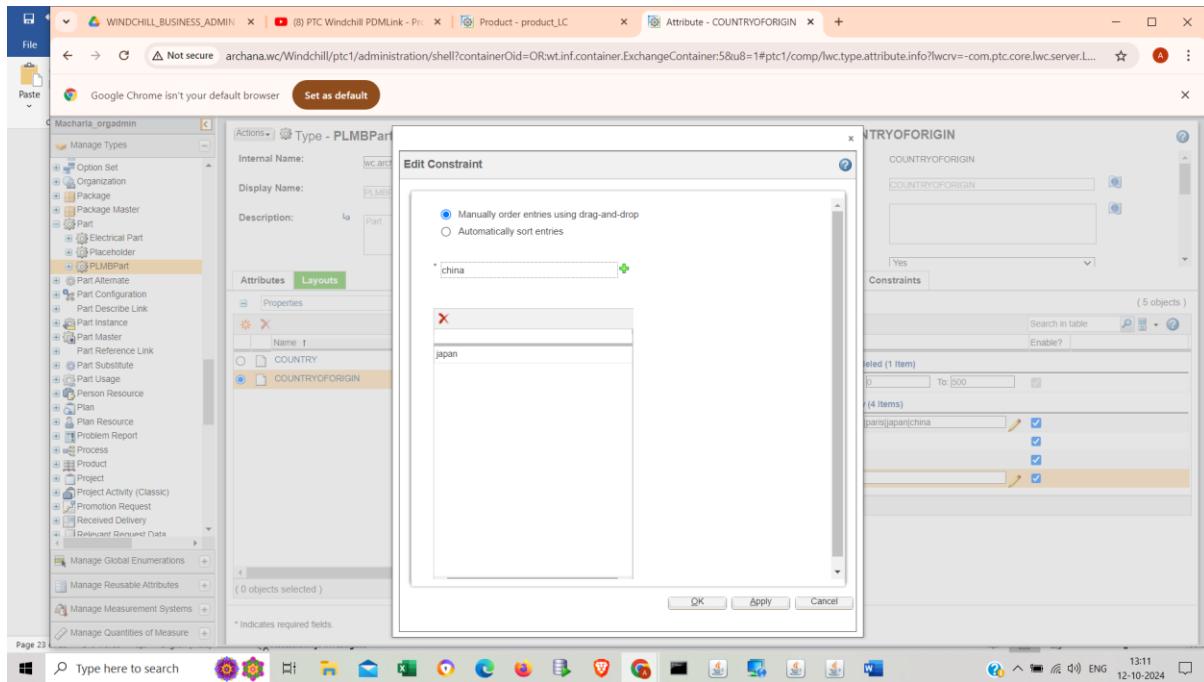
Step2: search Country of origin and choose constraints -> click on + icon (create a new constraint)



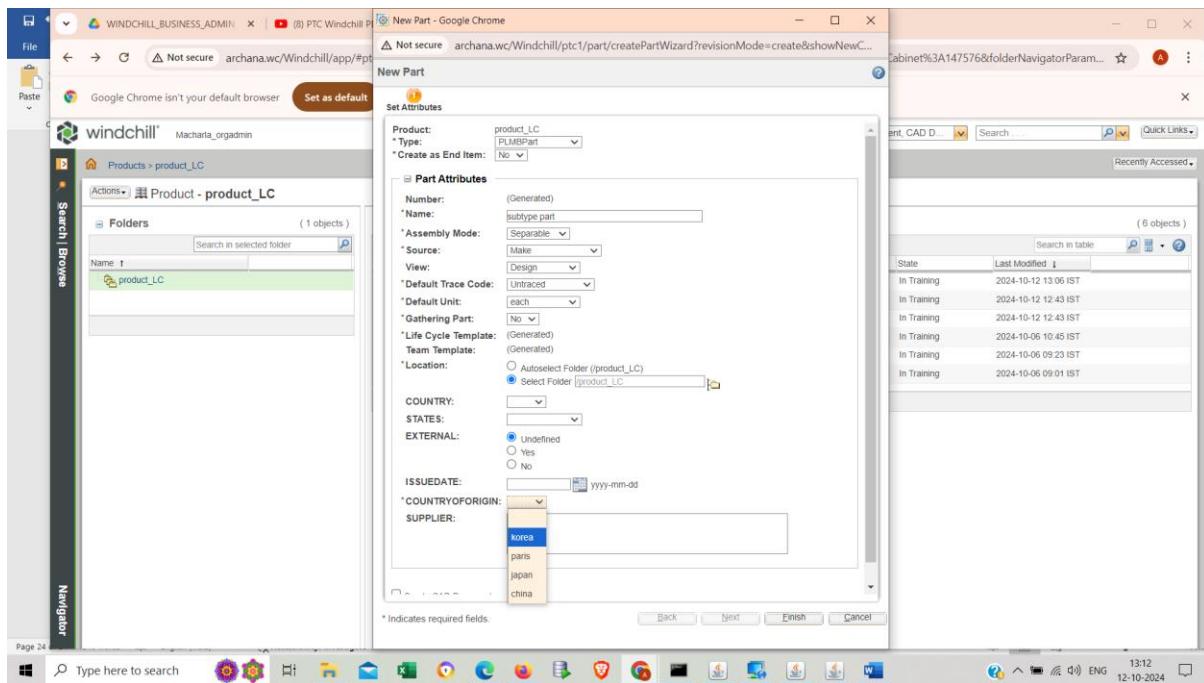
Step3: choose Legal value list ->Apply



Step4: click on + icon add values korea, paris, Japan, china -> Apply



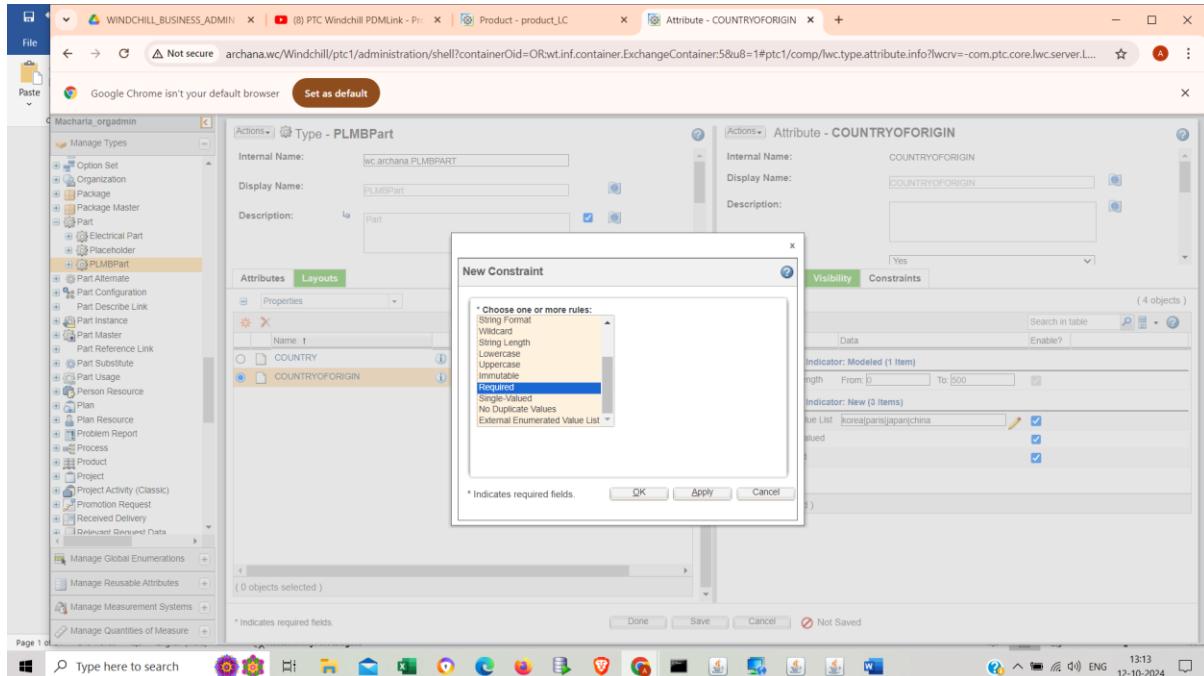
Step5: go to new PLMBPart-> observe the drop-down list under country-of-origin Attribute



12. The Country-of-Origin attribute must be a mandatory field, and the part creation should not be allowed until a value is entered for this attribute.

Step1: go to Manage type ->part->PLMPart->edit

Step2: search Country of origin -> select on constraints -> click on + icon ->choose Required->Apply



Step3: go to new PLMBPart-> ok -> Country of Origin Attribute is a mandatory field otherwise it get error like below

