

Advanced Product Quality Planning (AQ9)

BPA Delivery 7 for V5R19 (V5.7)

Implementation Guide



Table of content

Copyright Notice	3
<i>Chapter 1: Introduction</i>	4
What is APQP?.....	4
<i>Chapter 2: Usage of Demo database</i>	5
a. Attach Demo Database	5
b. Select Database for Authentication.....	13
<i>Chapter 3: Implementation of APQP on an existing database</i>	18
1. Data Model Source (WizSrc).....	18
a. In case you have SQL Server Management Studio	18
b. In case you don't have SQL Server Management Studio	21
2. Create a new Database.....	24
3. Data Model Designer.....	26
4. SQL Scripts.....	55
5. Sequence Designer.....	56
6. NLS Settings	58

Copyright Notice

© 2009. Dassault Systèmes, All Rights Reserved.

This guide is delivered subject to the following conditions and restrictions:

CONFIDENTIAL - This document contains unpublished, confidential and proprietary information of Dassault Systèmes.

This document or any part thereof shall not be reproduced or transferred to other documents or formats, disclosed to others or used for any purpose other than that for which it is furnished, without the prior written consent of Dassault Systèmes.

It shall be returned to Dassault Systèmes upon request.

Dassault Systèmes is a registered trademark of Dassault Systèmes.

All other trademarks belong to their respective owners.

SMARTEAM is a registered trademark of SMARTEAM Corporation Ltd.

Microsoft Windows and Windows NT are registered trademarks of Microsoft Corporation in the United States and/or other countries.

Chapter 1: Introduction

The purpose of this document is to help the reader understand how to use the Demo DB and implement project on the existing Database with the SmarTeam BPA Advanced Product Quality Planning (AQ9).

What is APQP?

Advanced Product Quality Planning (or APQP) is a framework of procedures and techniques used to develop products in industry, particularly the automotive industry

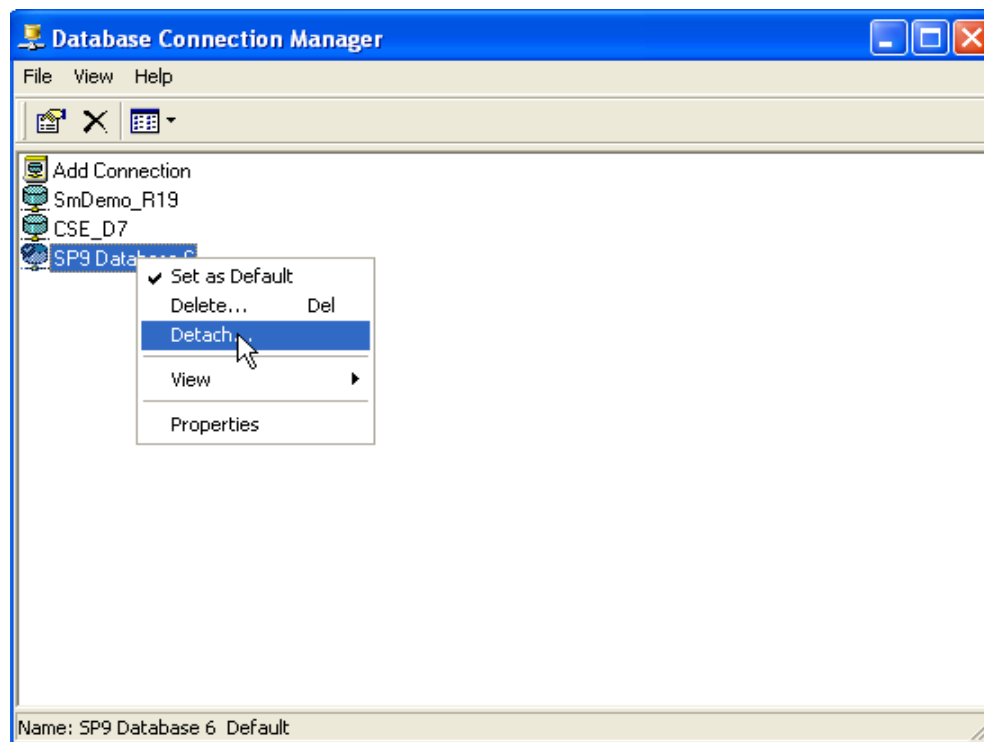
Chapter 2: Usage of Demo database

As APQP runs on top of SP9, first detach the SP9 Database using Database connection manager and then attach the AQ9 database.

Attach the demo database for APQP installed in the DB directory of your installation directory. Use Database connection Manager Tool to make the attachment.

a. Attach Demo Database

First detach SP9 DB.



Detach Database Wizard

Database Server
Select the destination database server

Select the server where the database resides and enter the database administrator login name and password

Server Name:

☐ Windows Authentication

☐ SQL Server Authentication

Login Name:

Password:

< Back Next > Cancel

Detach Database Wizard

Completing the Detach Database Wizard

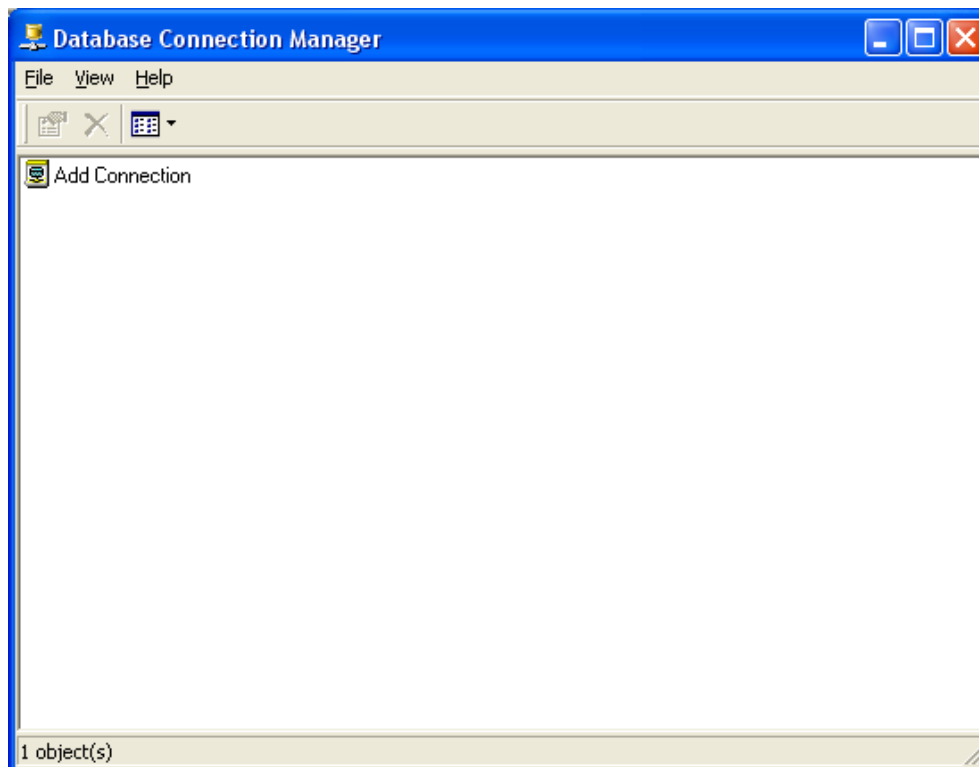
The database file you are detaching is located at:
[D:\...\SMARTTEAM\DB\PMS_Database_5_Data.mdf](#)

 After the detach operation completes, you will not be able to connect to this database.

To close this wizard, click Finish.

< Back Finish Cancel

Now attach the AQ9 DB using Database connection manager.



Database Connection Wizard

Database Type
Select the appropriate database type

Please select your database type from the list below. If your database type is not listed here, select Custom

☐ Create a connection string to an existing database

Database Type:

☒ Attach a new SQL Server database file to the server and connect to it

< Back Next > Cancel

Select Attach a new SQL Server database file, click on Next

Detach Database Wizard

Database Server
Select the destination database server

Select the server where the database resides and enter the database administrator login name and password

Server Name:

☐ Windows Authentication

☒ SQL Server Authentication

Login Name:

Password:

< Back Next > Cancel

Select SQL Server Authentication, enter Login Name and Password, Click on Next

Database Connection Wizard

New Database Details
Enter database file and database name

Select the MDF file you want to attach and enter a name for the newly created database

Database file: Browse...

Database name:

< Back Next > Cancel

Click on Browse

Open

Look in: DB

- For SP9D7
- AQ9_D7.mdf
- CSE_D7.mdf
- SmDemo_R19.MDF
- SP9_D7.mdf
- WizDst.mdf
- WizSrc.MDF

File name: AQ9_D7.mdf Open

Files of type: MSDE Databases File (*.mdf) Cancel

Select AQ9 DB from the SmarTeam DB folder.

Database Connection Wizard

New Database Details
Enter database file and database name

Select the MDF file you want to attach and enter a name for the newly created database

Database file:

Database name:

Attaching the new database to the server - Please wait.
Creating users

< Back Cancel

Click on Next

Database Connection Wizard

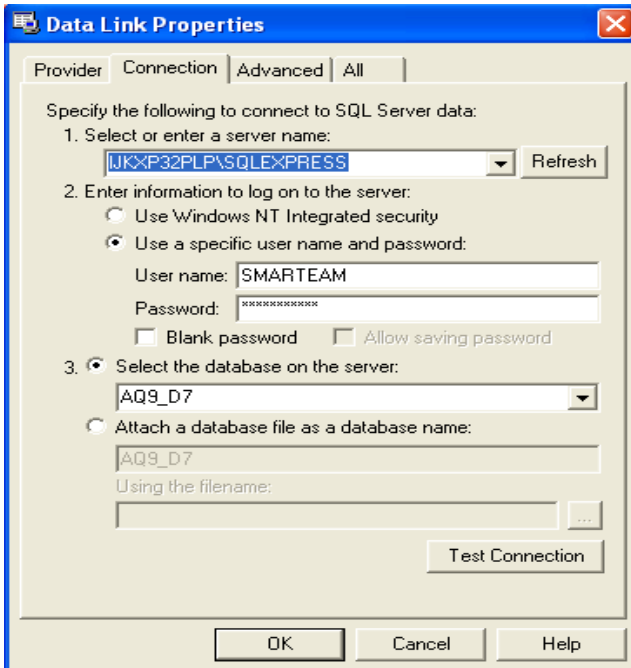
Database Connection String
Enter the connection details

A connection string contains the information required to connect to a specific database.
Enter the connection string or click Build to have the connection string built for you.

Connection String:

< Back Cancel

Click on Build



Data Link Properties

Provider Connection **Advanced** All

Specify the following to connect to SQL Server data:

1. Select or enter a server name:
 Refresh
2. Enter information to log on to the server:
☐ Use Windows NT Integrated security
☒ Use a specific user name and password:
 User name:
 Password:
☐ Blank password ☐ Allow saving password
3. ☒ Select the database on the server:

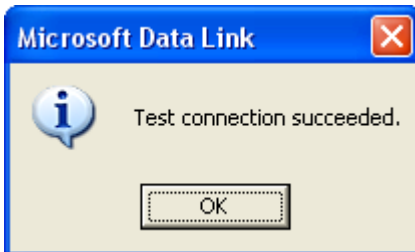
☐ Attach a database file as a database name:

 Using the filename: ...

Test Connection

OK Cancel Help

Click on Test Connection

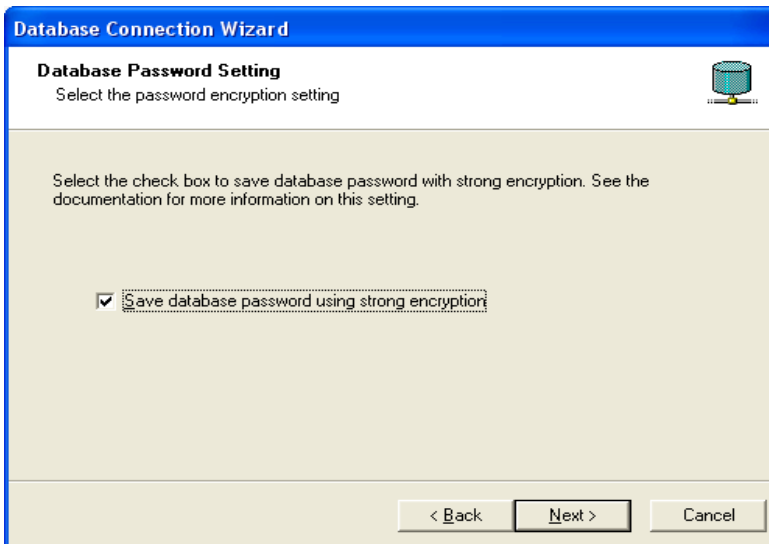


Microsoft Data Link

Test connection succeeded.

OK

Click on OK. Click on Next



Database Connection Wizard

Database Password Setting

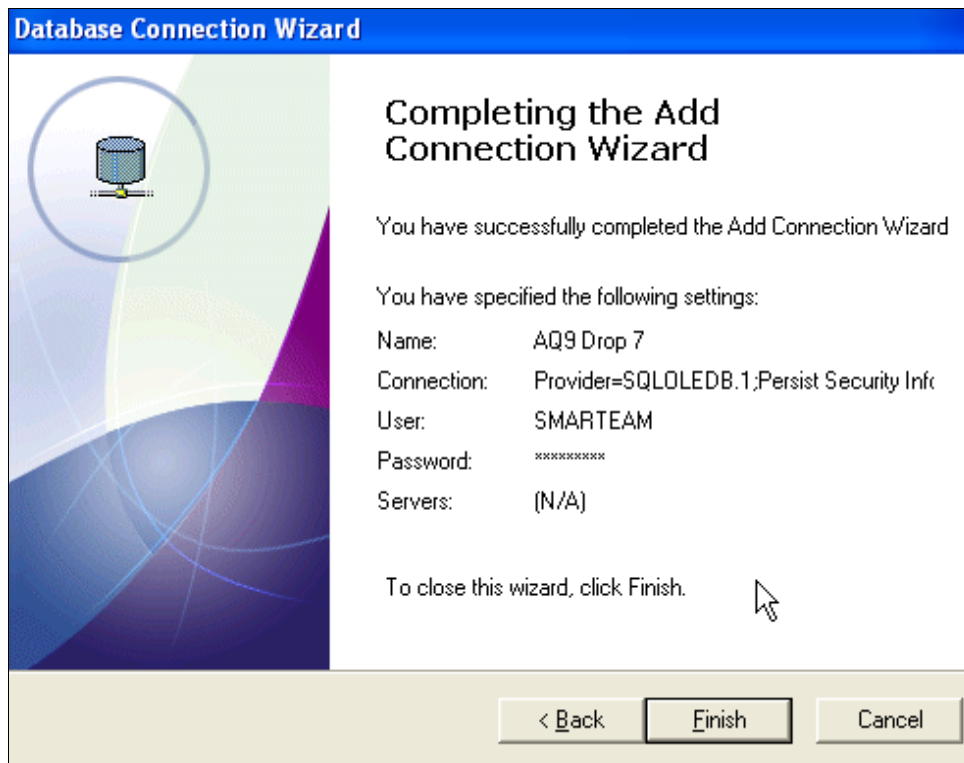
Select the password encryption setting

Select the check box to save database password with strong encryption. See the documentation for more information on this setting.

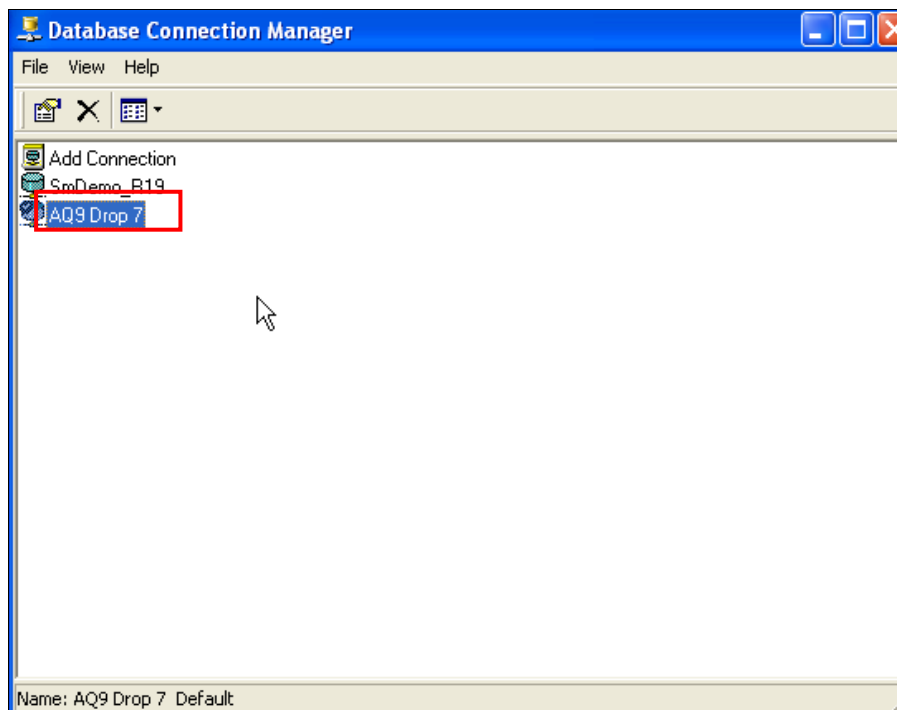
☒ Save database password using strong encryption

< Back Next > Cancel

Click on Next

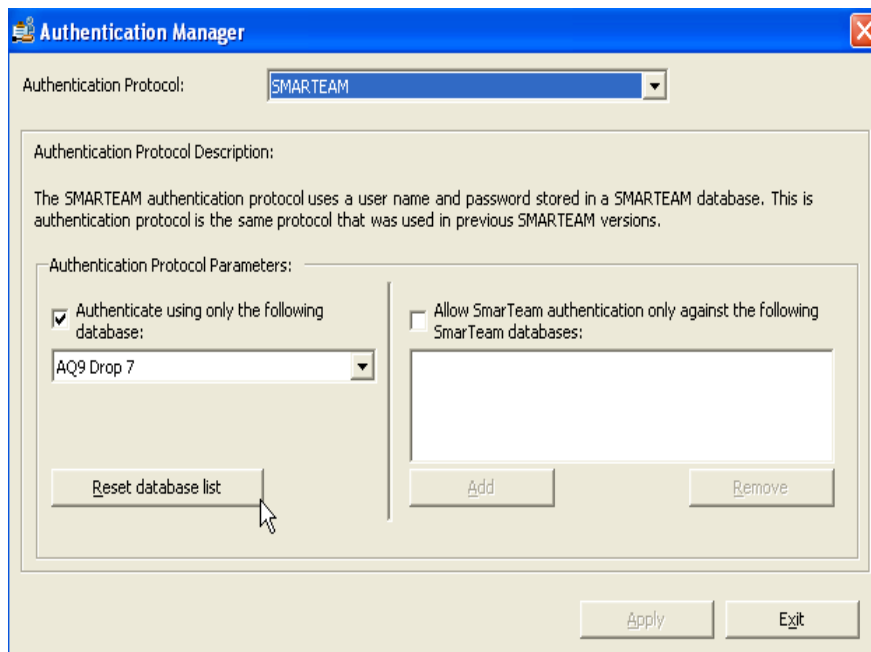
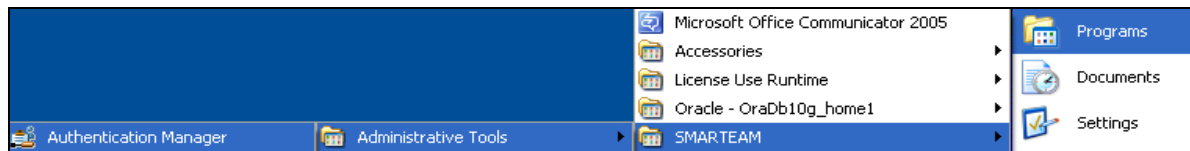


Click on Finish



Database is connected. Close the window

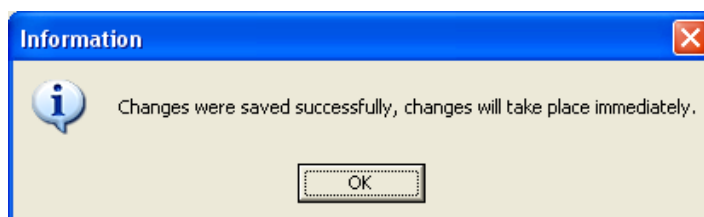
b. Select Database for Authentication



Authenticate Database. Apply changes.

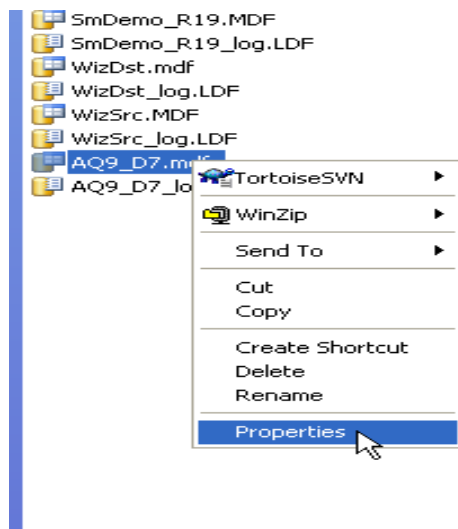


Click on Yes.

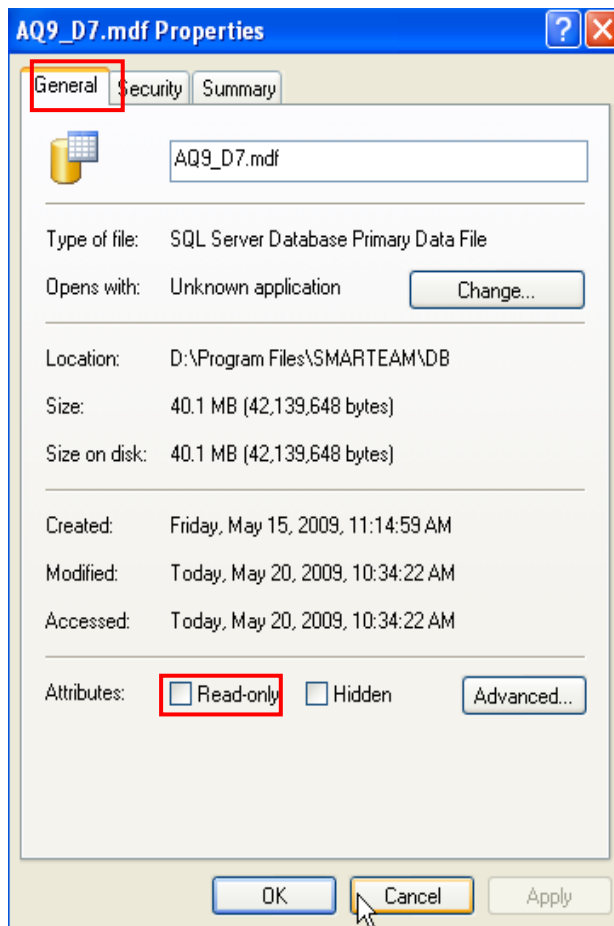


Click on OK. Click Exit

Now go to the SmarTeam DB directory

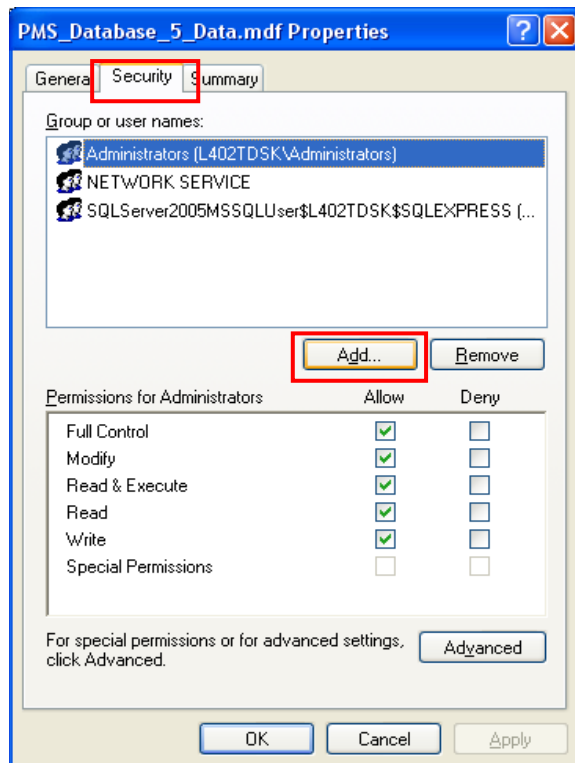


Select Properties.

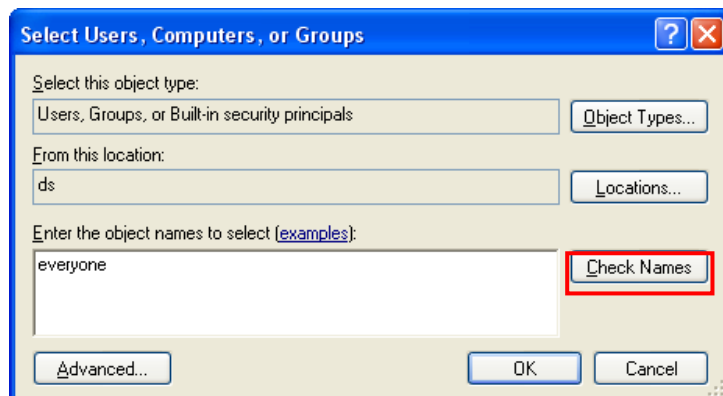


Uncheck Read-only (if the DB is Read-only.)

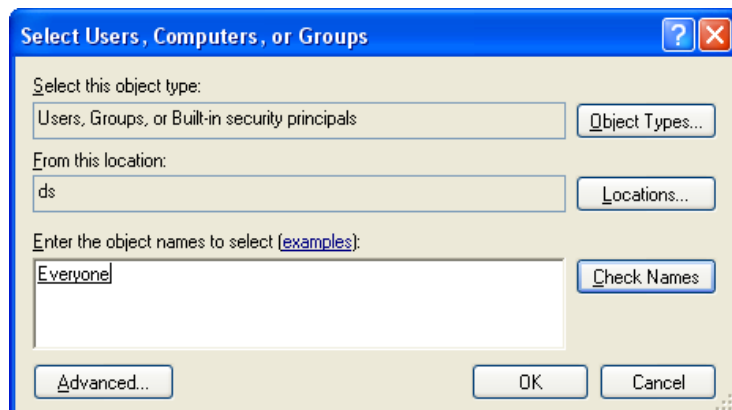
Go to security tab .



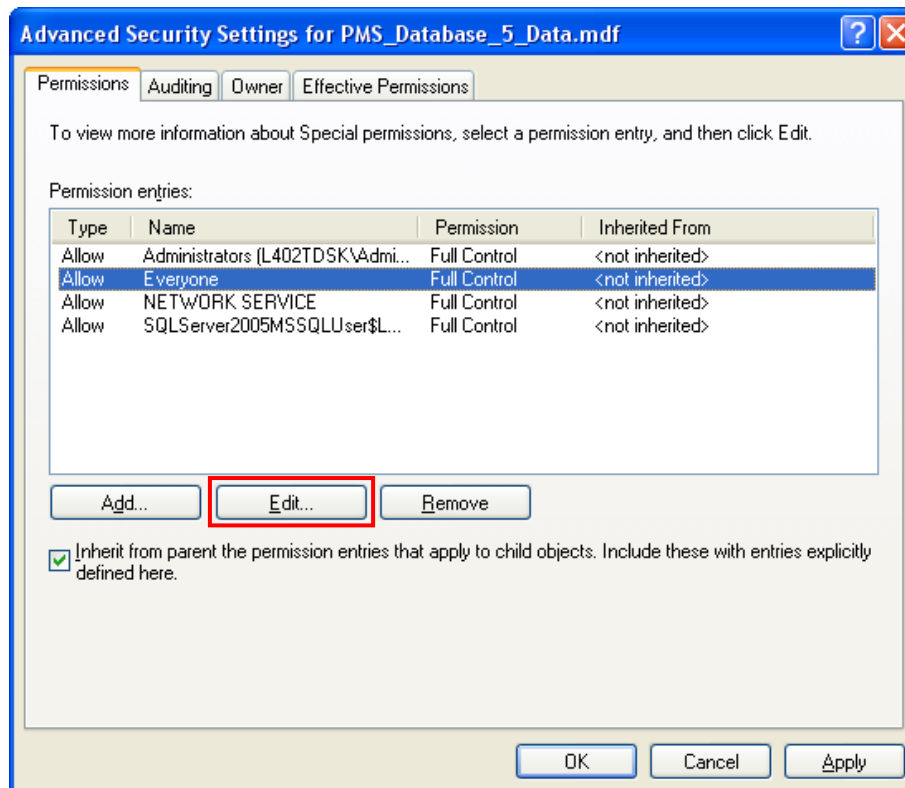
Select Add



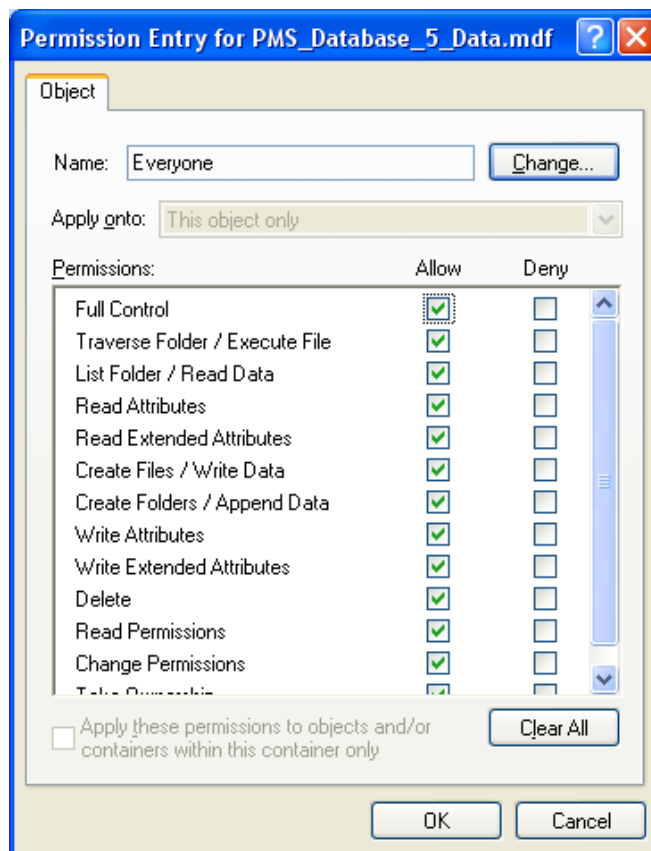
Enter everyone and click on Check Names button



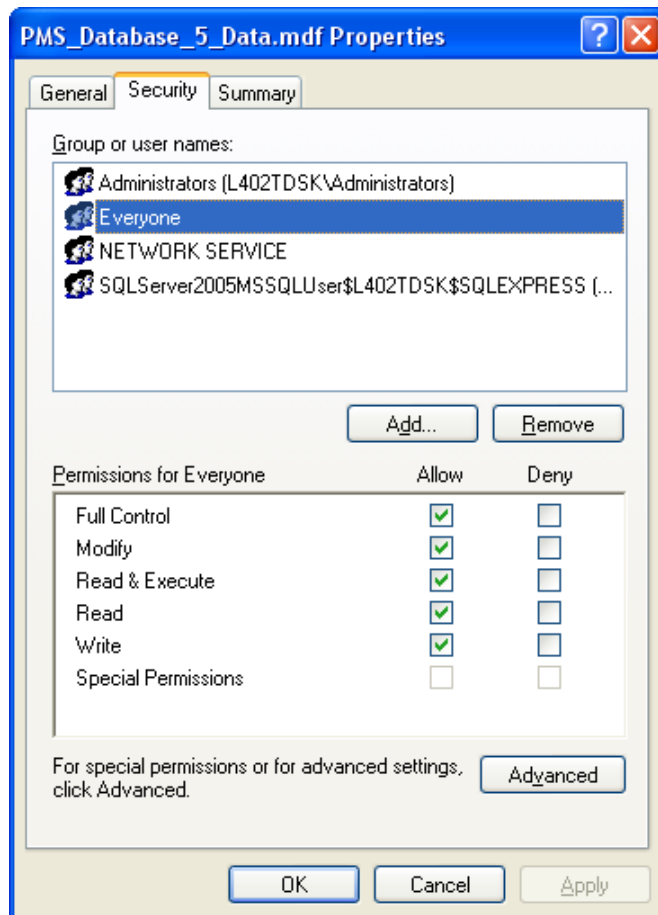
Click on OK button



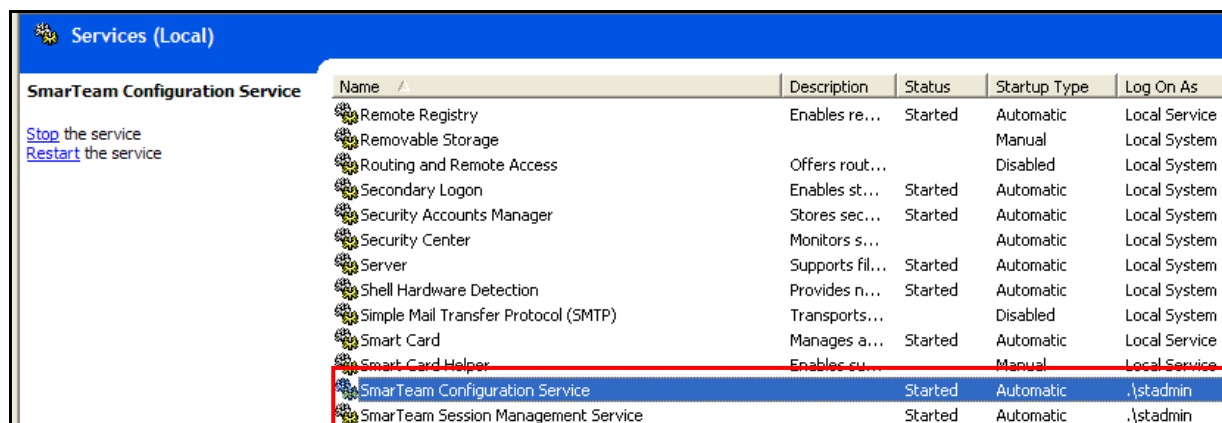
Select Everyone and Edit it



Allow full control, Click on OK.



Apply changes. Click on OK



Restart two services : SmarTeam Configuration Service & SmarTeam Session Management Service



Chapter 3: Implementation of APQP on an existing database

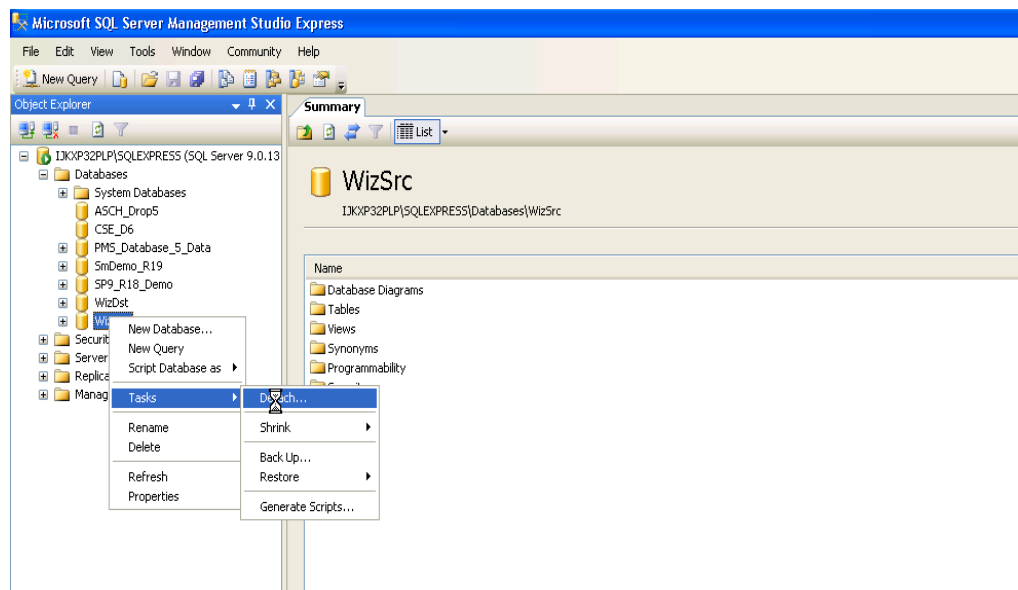
This chapter describes the steps that must be performed to implement the BPA APQP on top of PLM database. IF you need to implement it on top of another database, follow the same steps, only the screenshot will probably be different.

Note: The WizSrc database will not be provided along with the setup. It will be provided only if required by the customer. Hence the Wizsrc DB will not be copied in the SmarTeam\DB directory as it is not present in the setup.

1. Data Model Source (WizSrc)

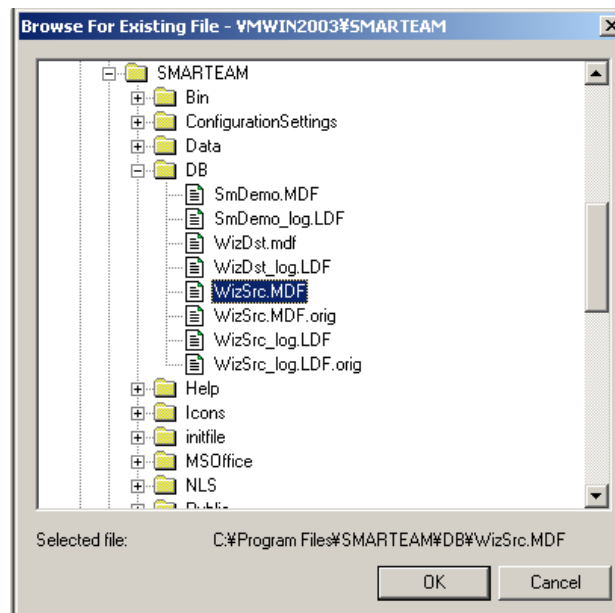
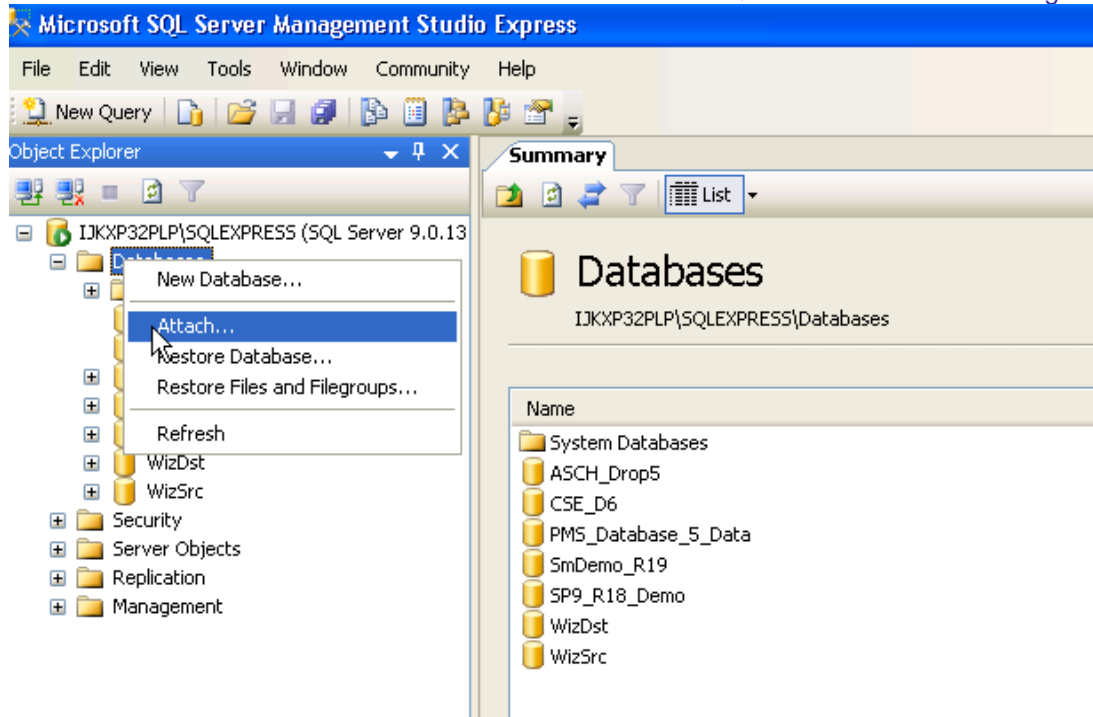
a. In case you have SQL Server Management Studio

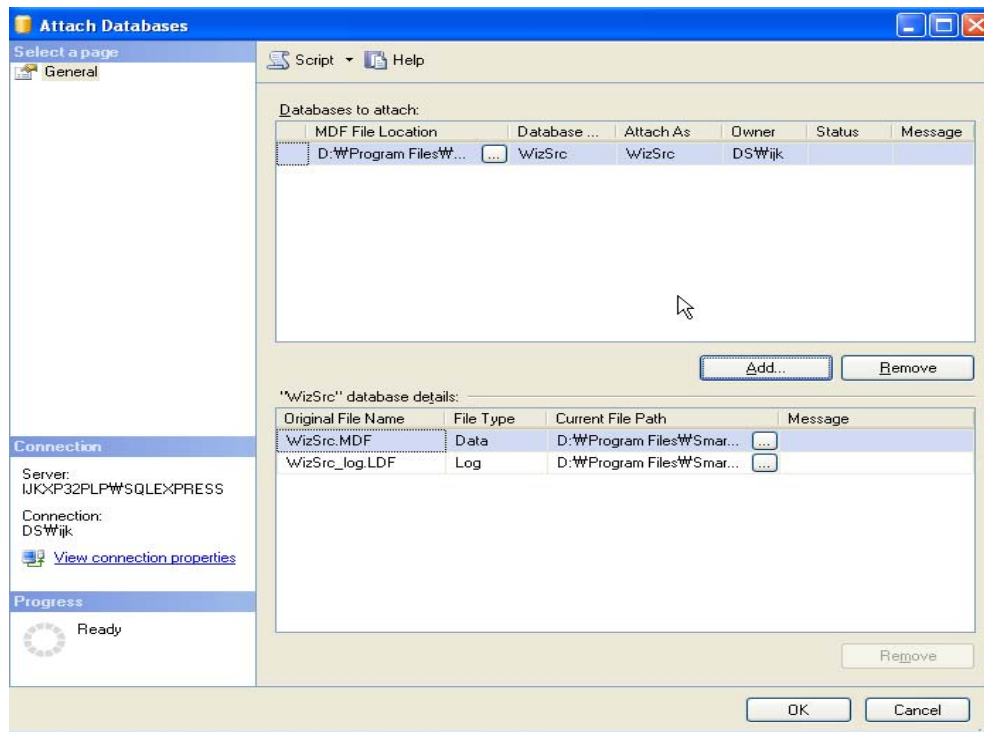
1. Check that a WizSrc.mdf file was copied in the DB directory
2. Detach the original one in SQL Server Management Studio



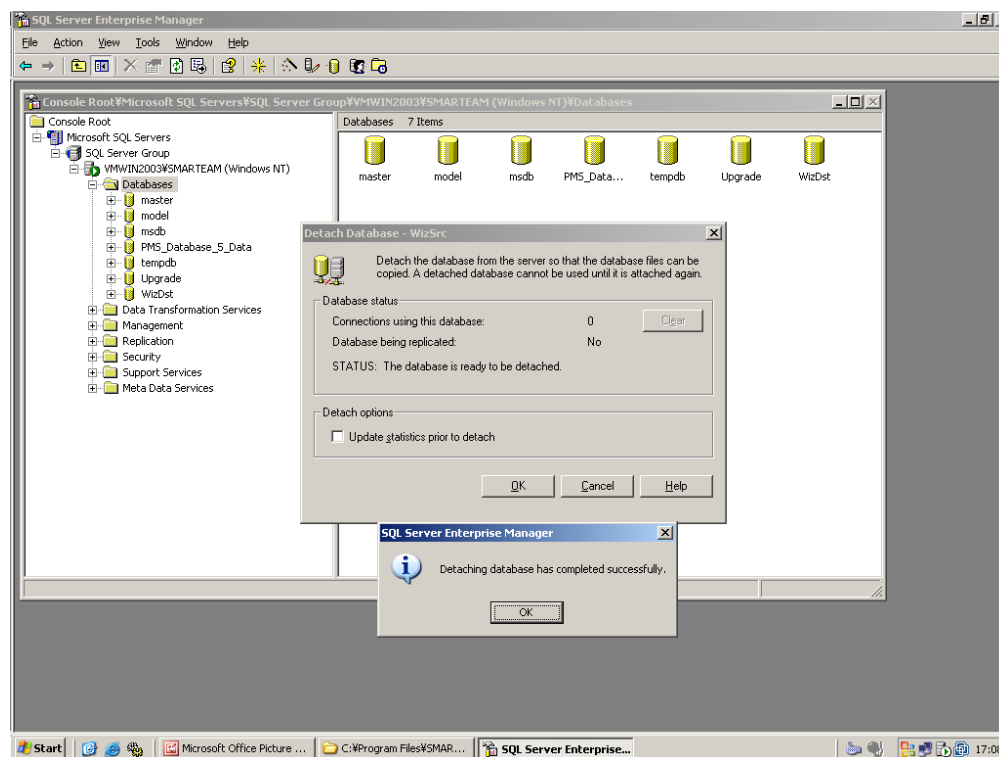
3. Replace the original one with the new one

4. Attach the new one in SQL Server Management Studio

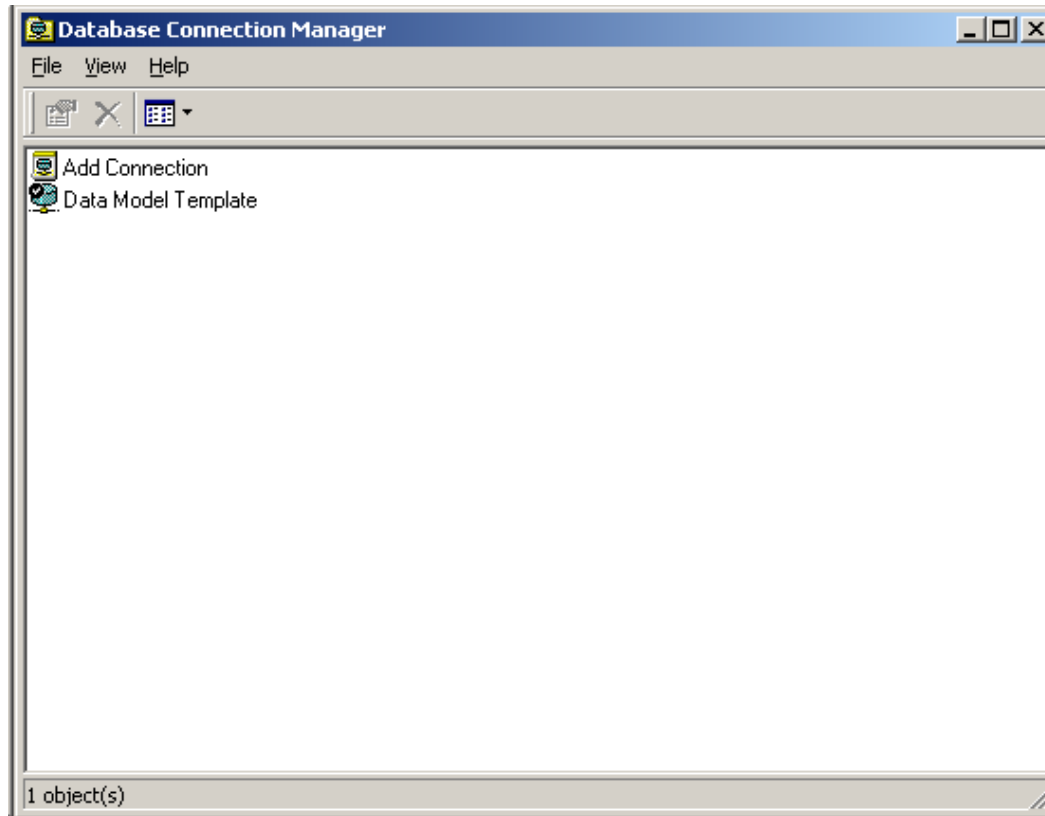




5. Detach again the database



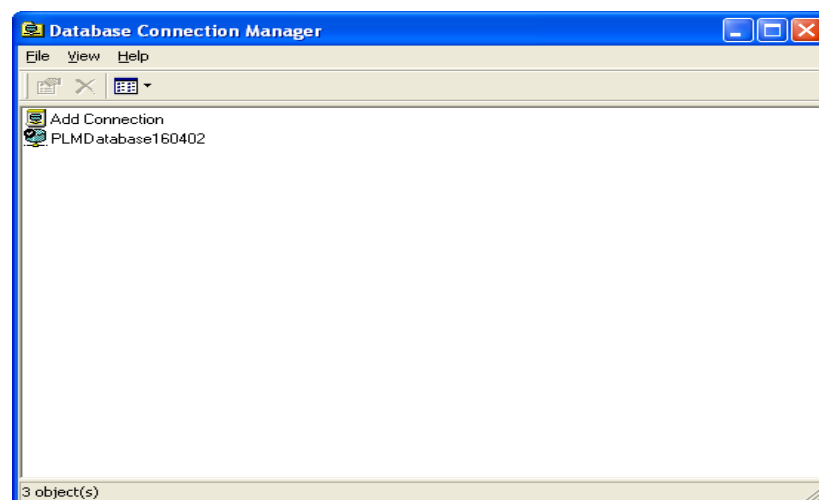
6. Attach the Wizsrc with Database Connection Manager



7. Delete this newly created connection (Delete, not Detach)

b. In case you don't have SQL Server Management Studio

By default, a standard WizSrc database is already connected to Smarteam. But, if you open the Database connection manager, you will not see any WizSrc displayed, as shown below:



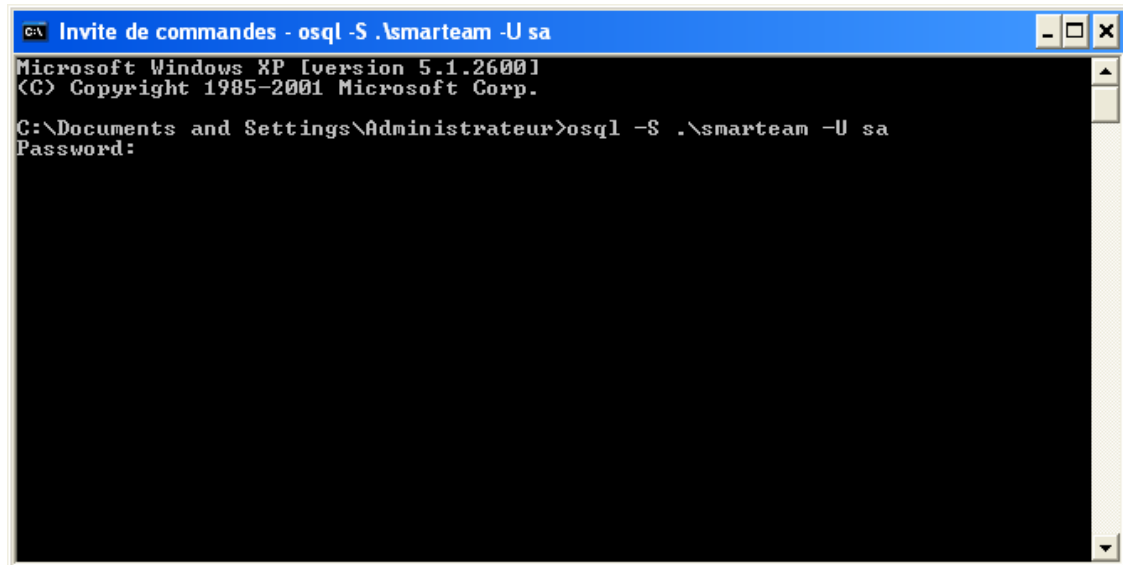
The WizSrc database cannot be found here.

To disconnect it, you will need to use command lines.

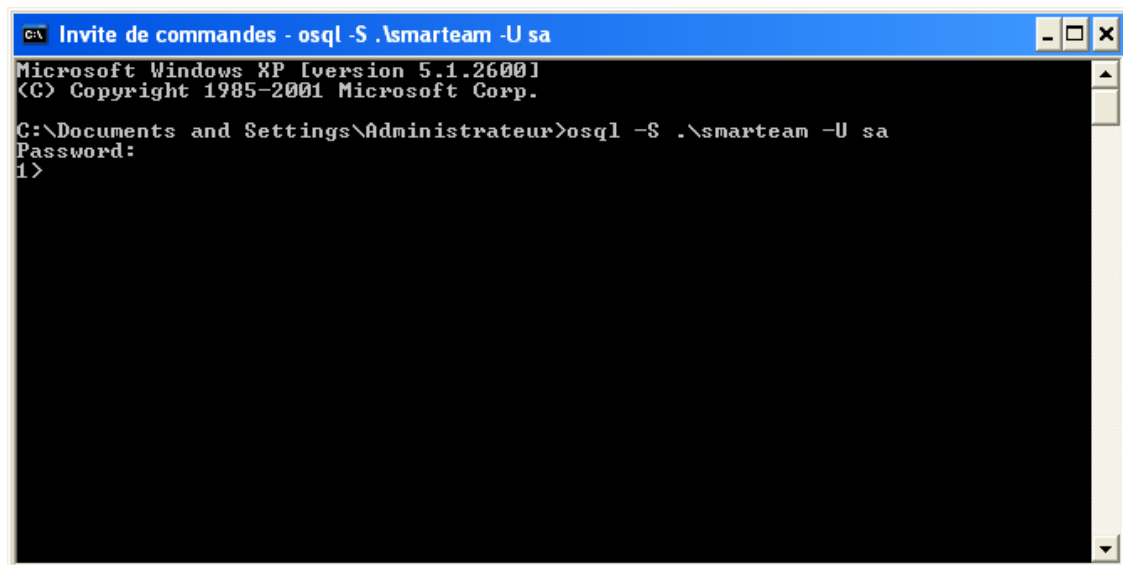
- open a cmd window : click on "start"->"execute", then type "cmd" and press "enter"
- Type the following command:

Osql -S .\smarteam -U sa

"Sa" is the user name generally used. If you have set another one, you may type it instead.
You may then get the following window:



- Type the password that's prompted. Usually "sa" or "smarteam"
- You should get the following prompt :



- Then at this prompt, type the following instruction and press enter.

sp_detach_db "WizSrc"

Here, "WizSrc" is the name of your WizSrc database. Do not forget the quotes.

- To actually execute the previous command, type "go" and press enter as shown below :

```

C:\ Invite de commandes - osql -S .\smarteam -U sa
Microsoft Windows XP [version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

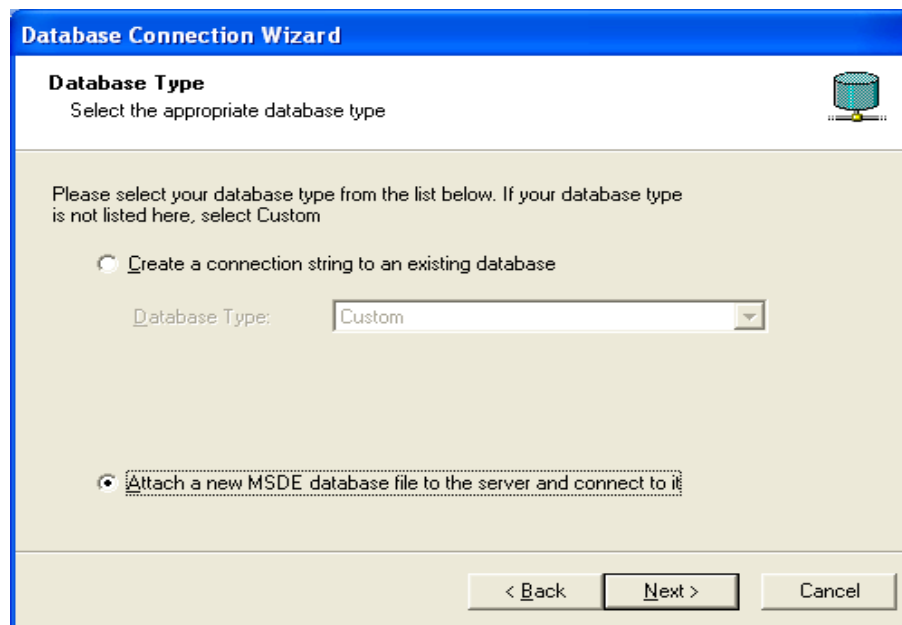
C:\Documents and Settings\Administrateur>osql -S .\smarteam -U sa
Password:
1> sp_detach_db "WizSrc"
2> go_

```

- Then type "exit" (without quotes here) and close the cmd window.

You can now replace the previous WizSrc.mdf file with the new one. Place it in the DB folder of your Smarteam installation, usually: c:\program file\smarteam\db\

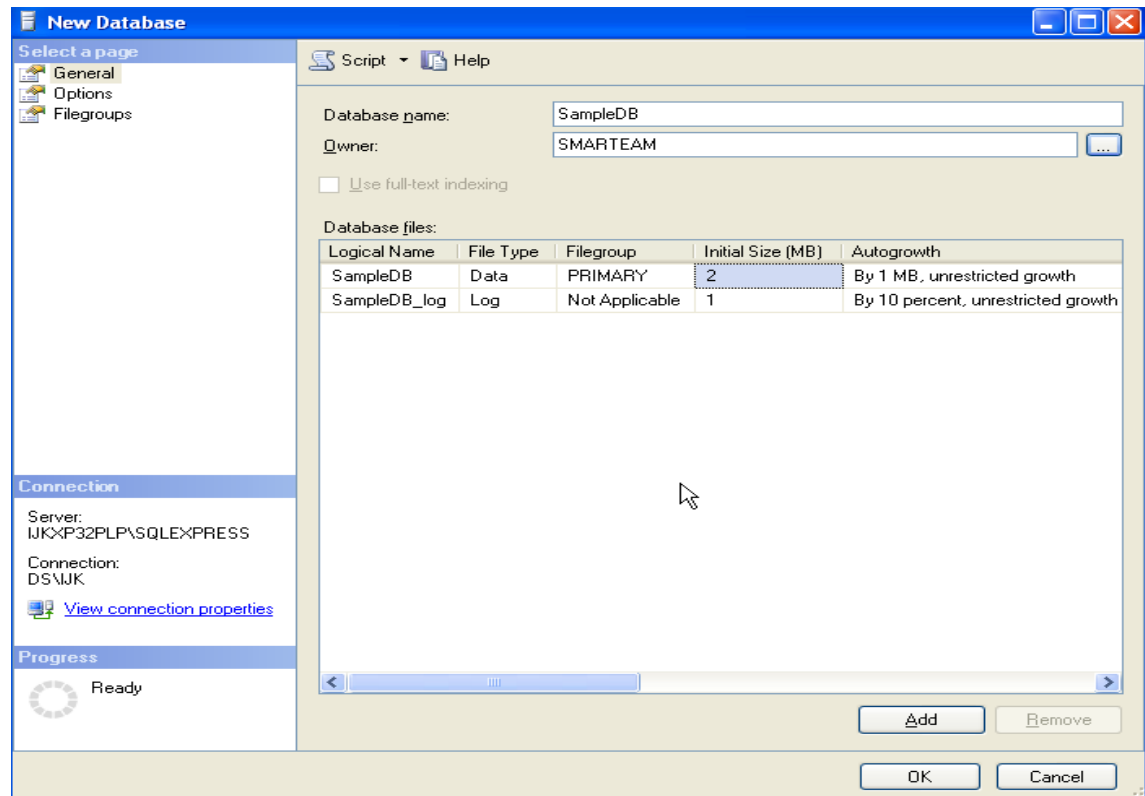
- Do not forget to delete the WizSrc.LDF (log file) that is placed in the same directory.
- Now you can simply connect the new WizSrc file as a normal database with the Smarteam Database connection manager.



2. Create a new Database

Create a new DB in SQL Server Management Studio and be sure you select the right **Collation Name** you wanted.

Note: The collation name should be case insensitive (CI), not case sensitive (CS). Here is a sample



New Database

Select a page: General, Options, Filegroups

Script Help

Database name: SampleDB

Owner: SMARTEAM

☐ Use full-text indexing

Database files:

Logical Name	File Type	Filegroup	Initial Size (MB)	Autogrowth
SampleDB	Data	PRIMARY	2	By 1 MB, unrestricted growth
SampleDB_log	Log	Not Applicable	1	By 10 percent, unrestricted growth

Connection:

Server: IJKXP32PLP\SQLEXPRESS

Connection: DS\JK

[View connection properties](#)

Progress: Ready

Add Remove

OK Cancel

New Database

Select a page: General, Options, Filegroups

Script Help

Collation: Chinese_Taiwan_Stroke_CI_AS

Recovery model: Simple

Compatibility level: SQL Server 2005 (90)

Other options:

☒ **Automatic**

Auto Close	False
Auto Create Statistics	True
Auto Shrink	False
Auto Update Statistics	True
Auto Update Statistics Asynchronously	False

☒ **Cursor**

Close Cursor on Commit Enabled	False
Default Cursor	GLOBAL

☒ **Miscellaneous**

ANSI NULL Default	False
ANSI NULLS Enabled	False
ANSI Padding Enabled	False
ANSI Warnings Enabled	False
Arithmetic Abort Enabled	False
Concatenate Null Yields Null	False
Cross-database Ownership Chaining Enabled	False
Date Correlation Optimization Enabled	False
Numeric Round-Abort	False

ANSI NULL Default

OK Cancel

Add SMARTEAM login to the DB as DB owner

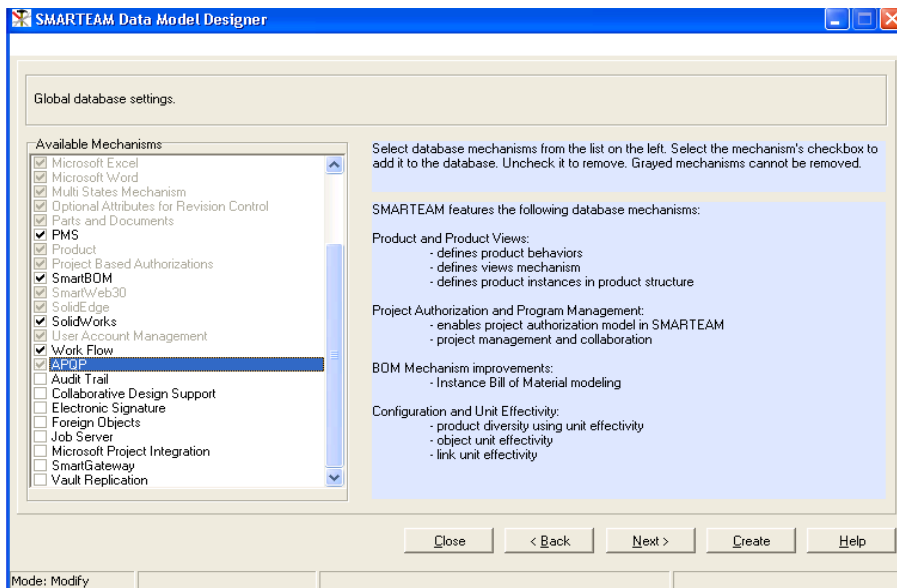
With SmartDBExplorer, copy PLM Database to the new database

3. *Data Model Designer*

1. Launch SMARTEAM Data Model Designer
2. Modify PLM database (or the database you want to add APQP in)
3. Global database settings

3.1 Un-check (Remove) "Program Management"

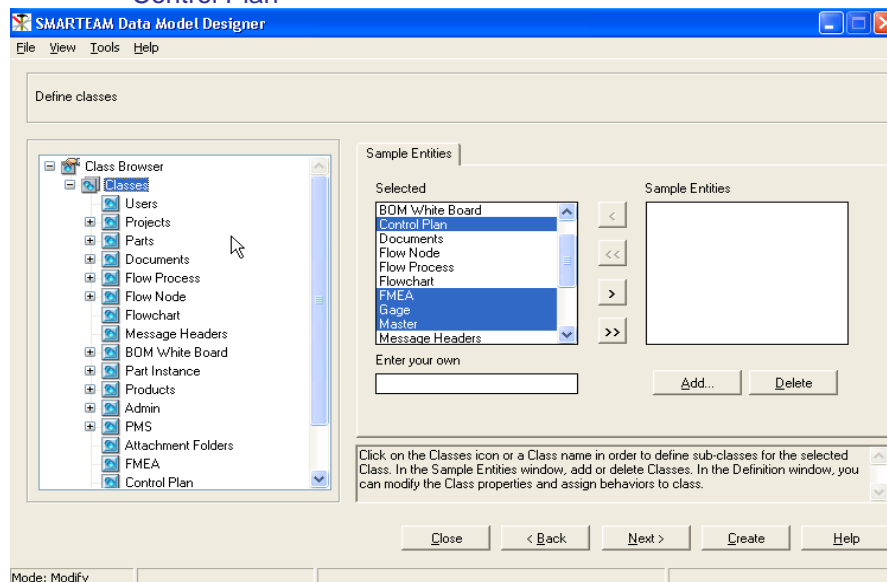
3.2 Select "APQP"



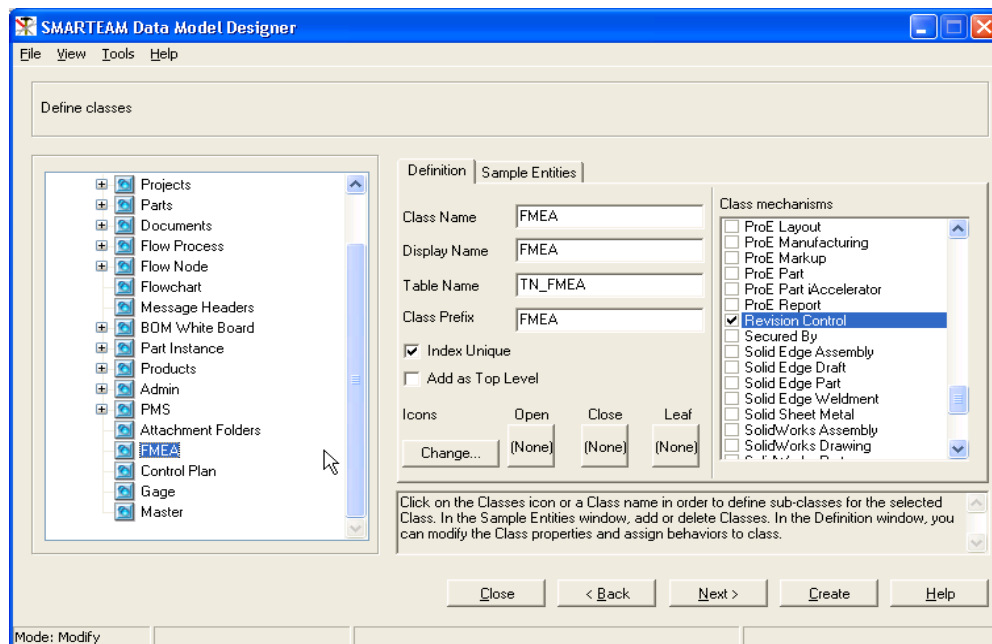
3.3 Click button "Next"

Using "define classes" screen, add classes as shown.

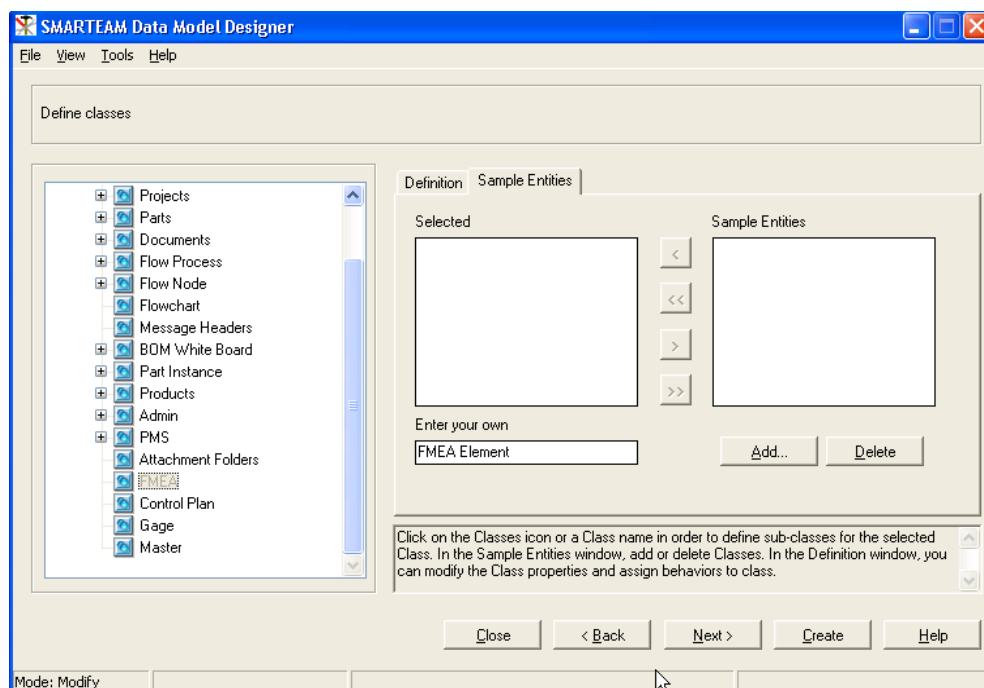
- FMEA
- Gage
- Master
- Control Plan

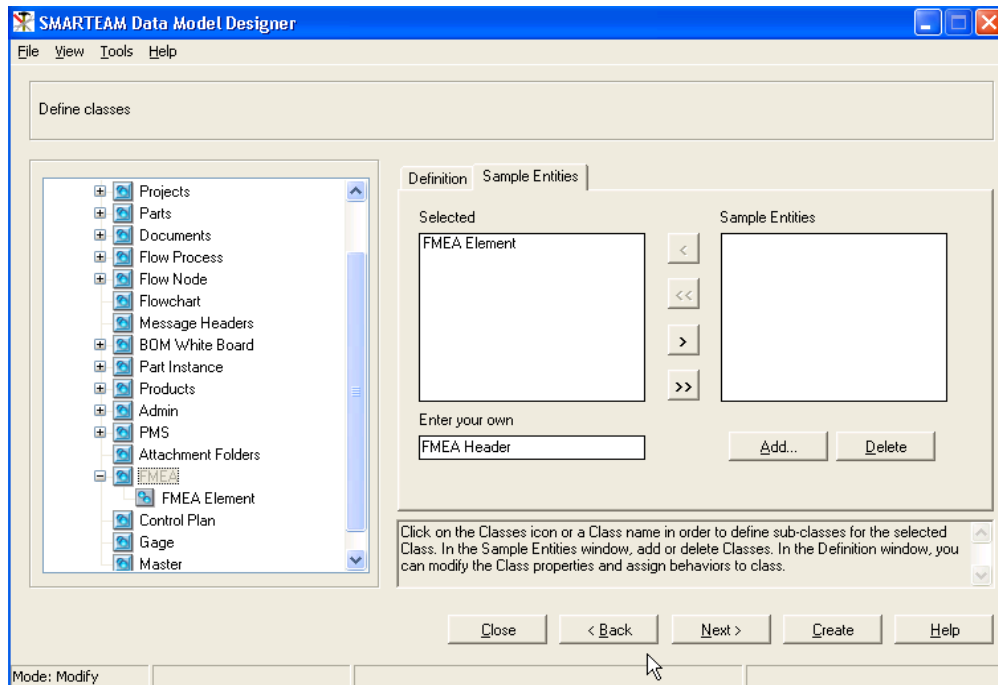


4. Select FMEA class from class browser. Select “Revision Control” mechanism from class mechanism window. Check Index Unique check box.



5. Add two sub classes to FMEA class, which are **FMEA Element** and **FMEA Header**

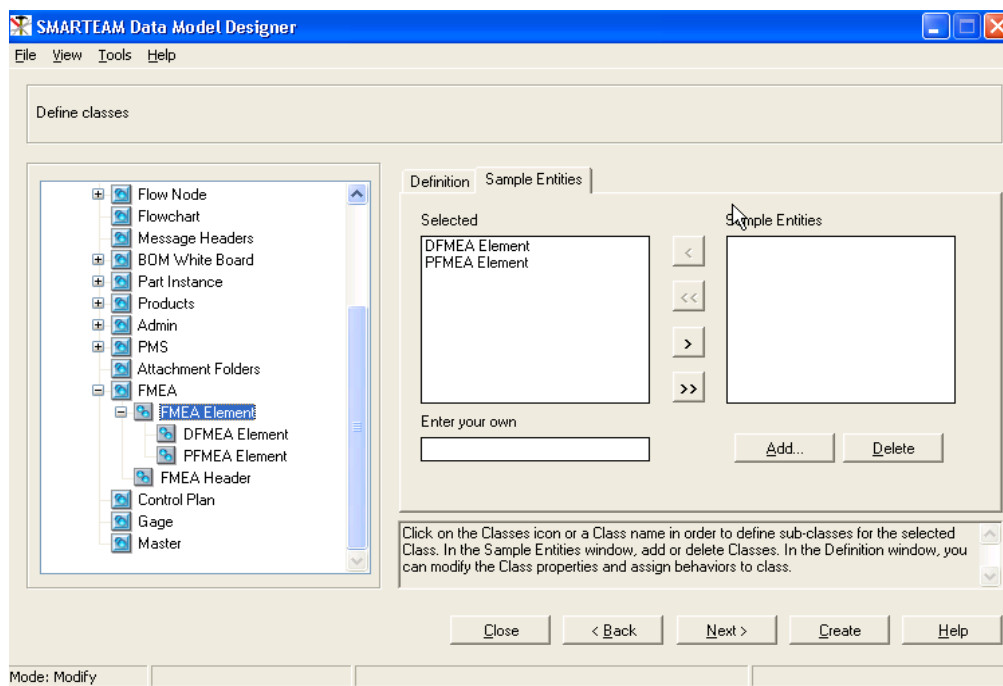




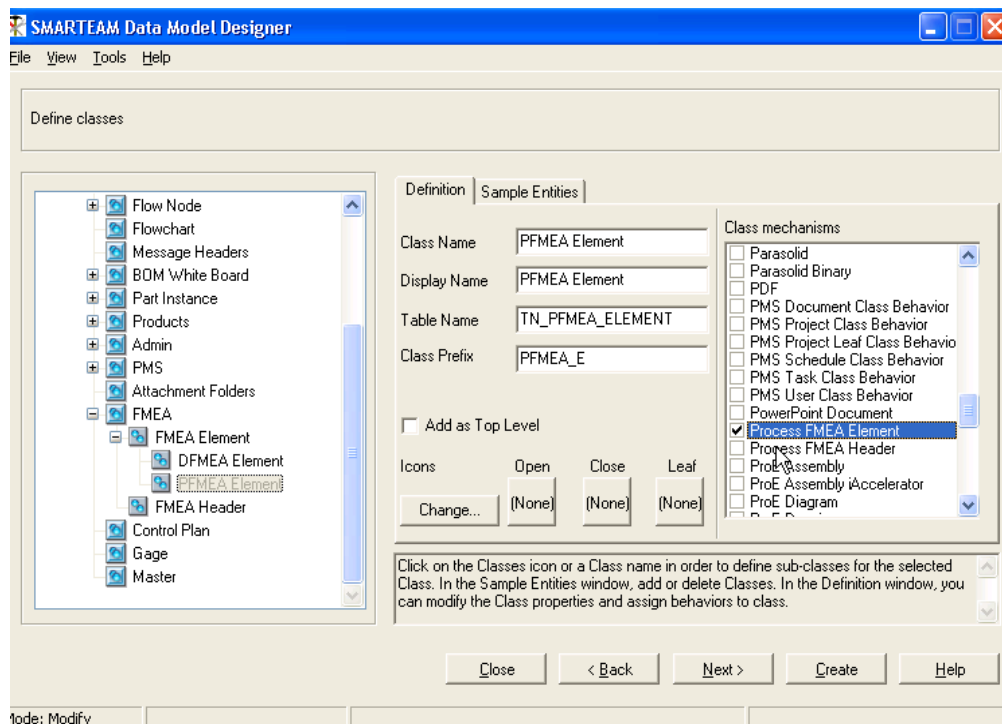
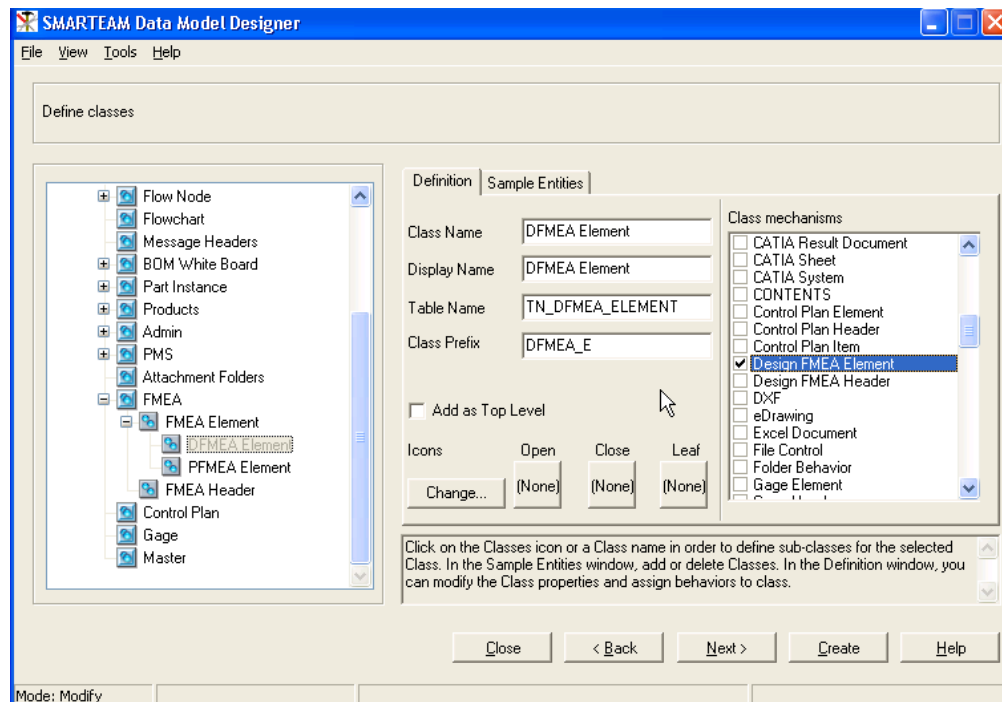
6. Select FMEA Element class. Check Index Unique.

Add two sub classes to FMEA Element class

- DFMEA Element and PFMEA Element

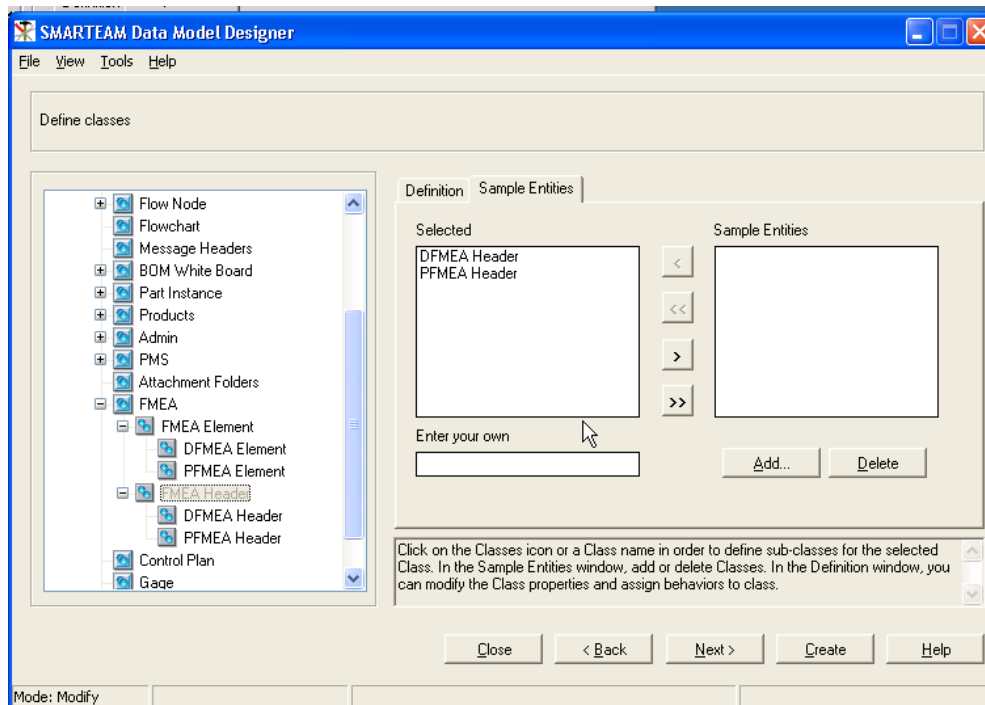


7. Add “Design FMEA Element” class mechanism to DFMEA Element Subclass and “Process FMEA Element” class mechanism to PFMEA Element subclass as shown.

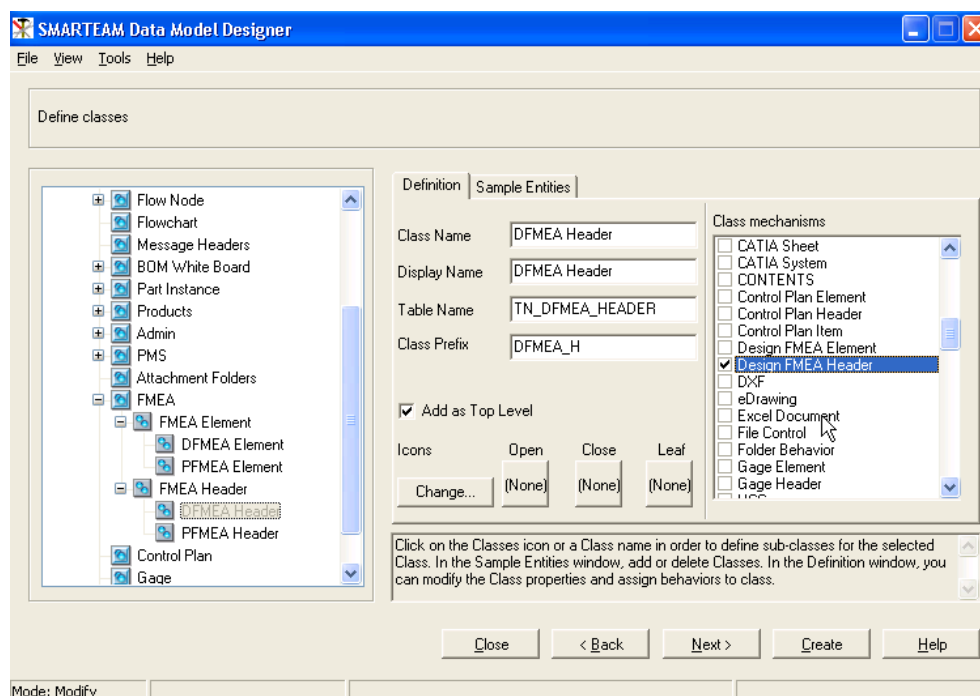


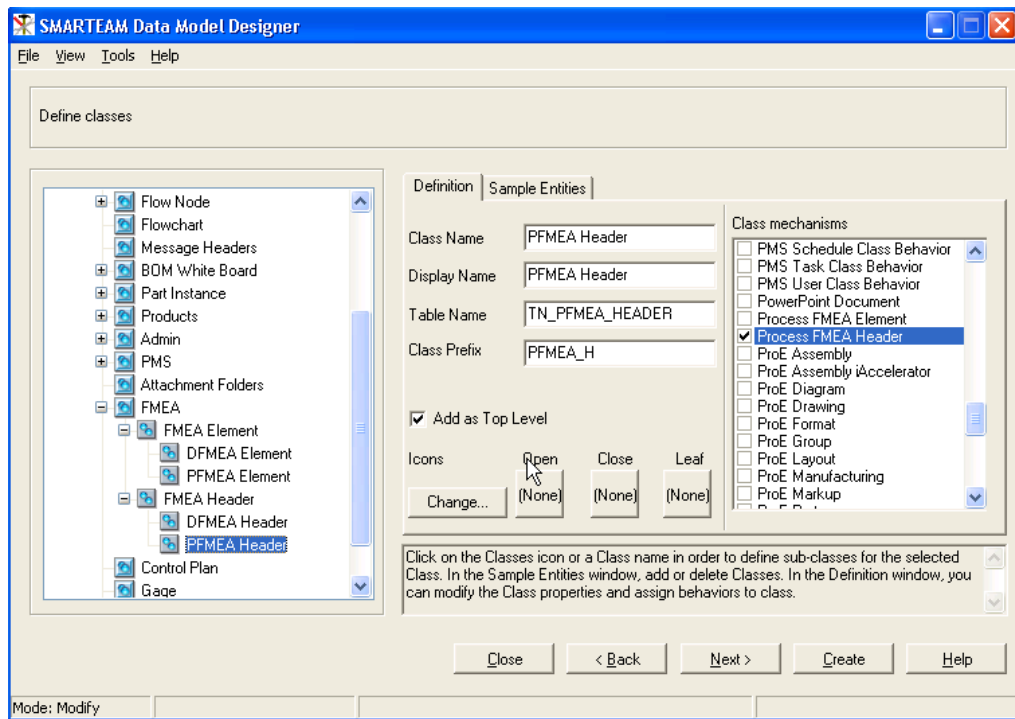
8. Select FMEA Header class

Add two sub classes to FMEA Header class
- DFMEA Header and PFMEA Header



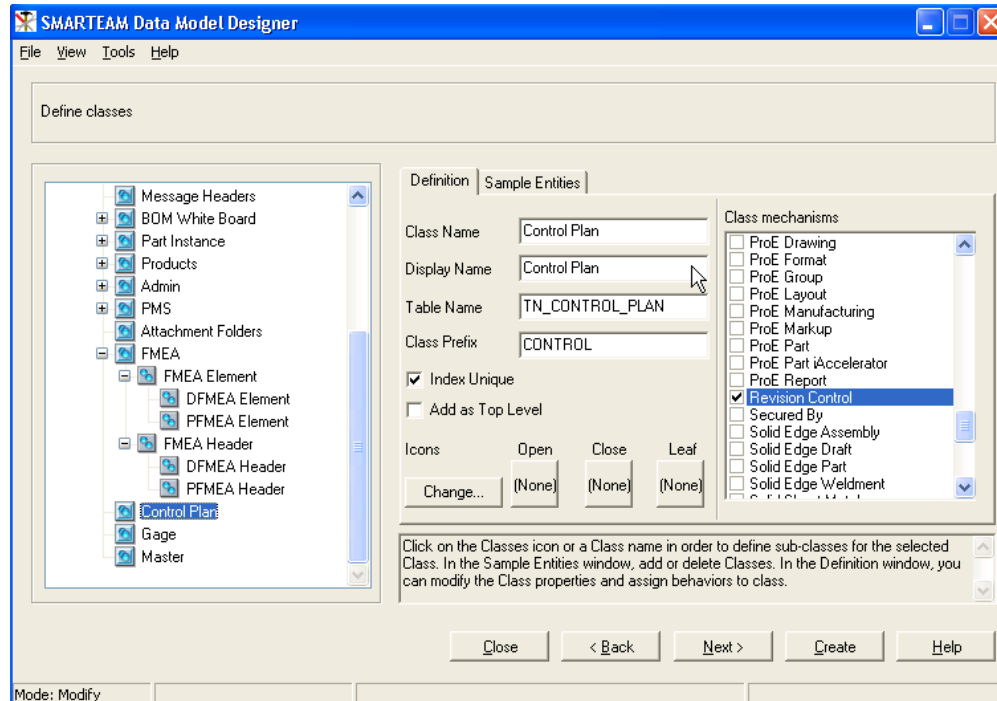
9. Check the “Add as top level” check box for both the sub classes DFMEA Header and PFMEA Header
10. Add “Design FMEA Header” class mechanism to DFMEA Header Subclass and “Process FMEA Header” class mechanism to PFMEA Header subclass as shown



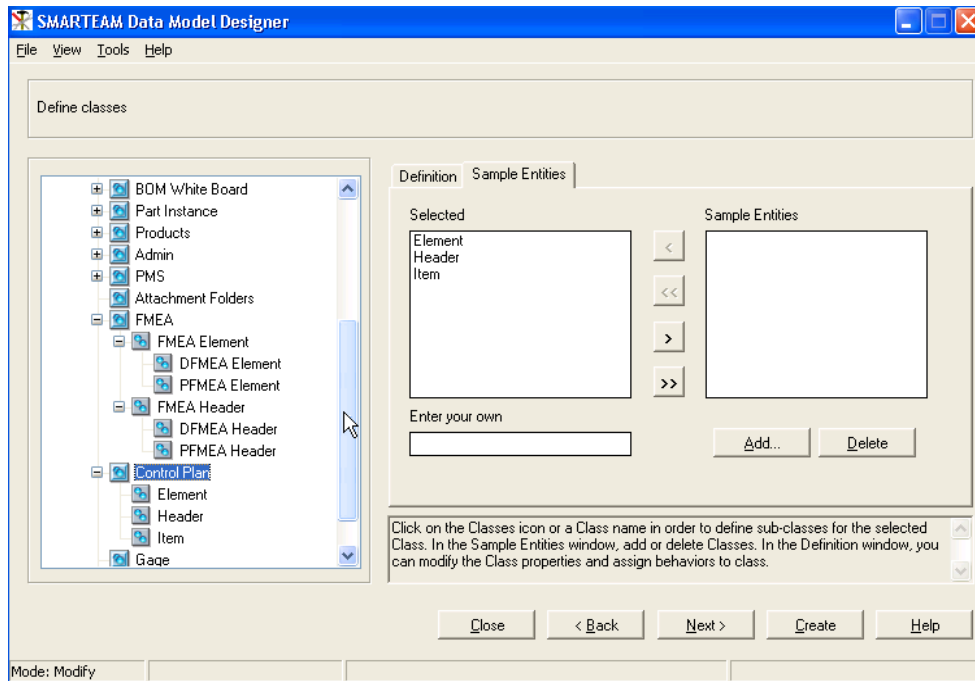


11. Select Control Plan class.

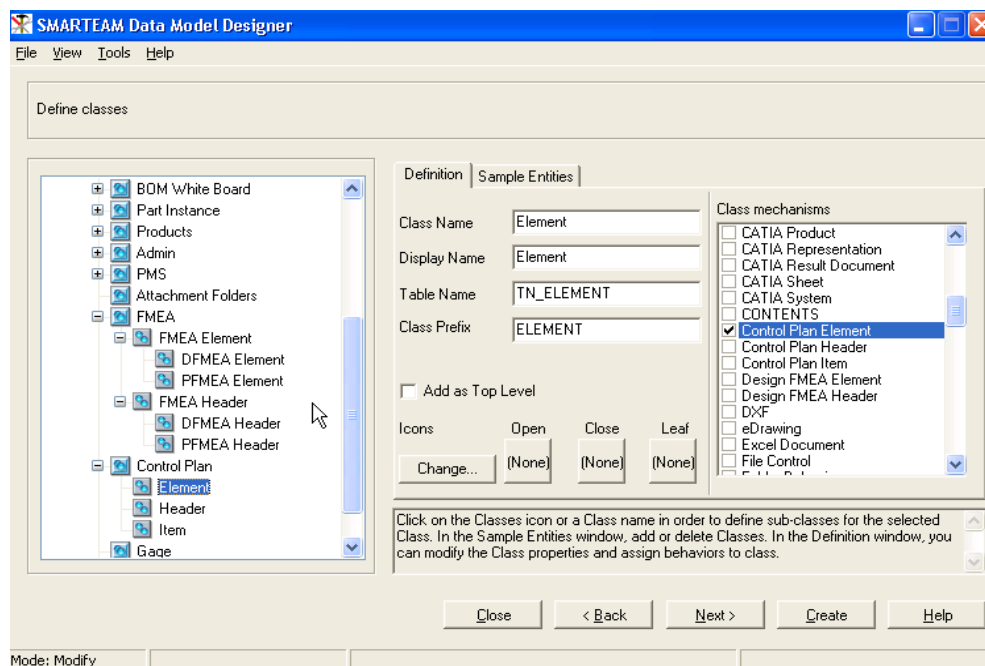
Check "Index Unique". Add "Revision Control" class mechanism to Control Plan class.



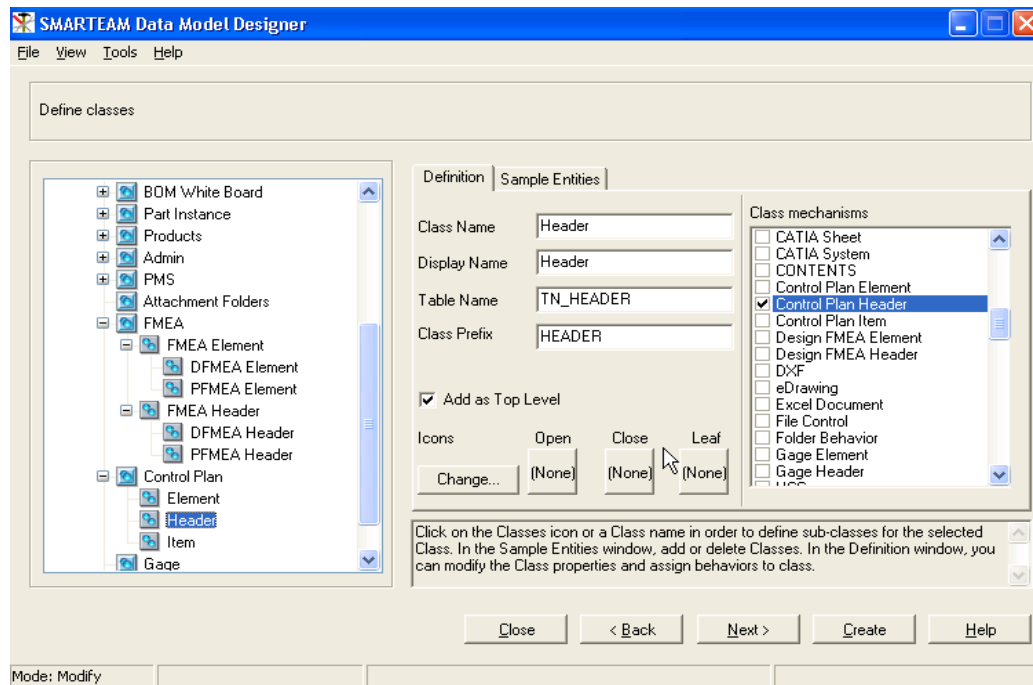
12. Add three sub classes to Control Plan class
 - Element, Header and Item



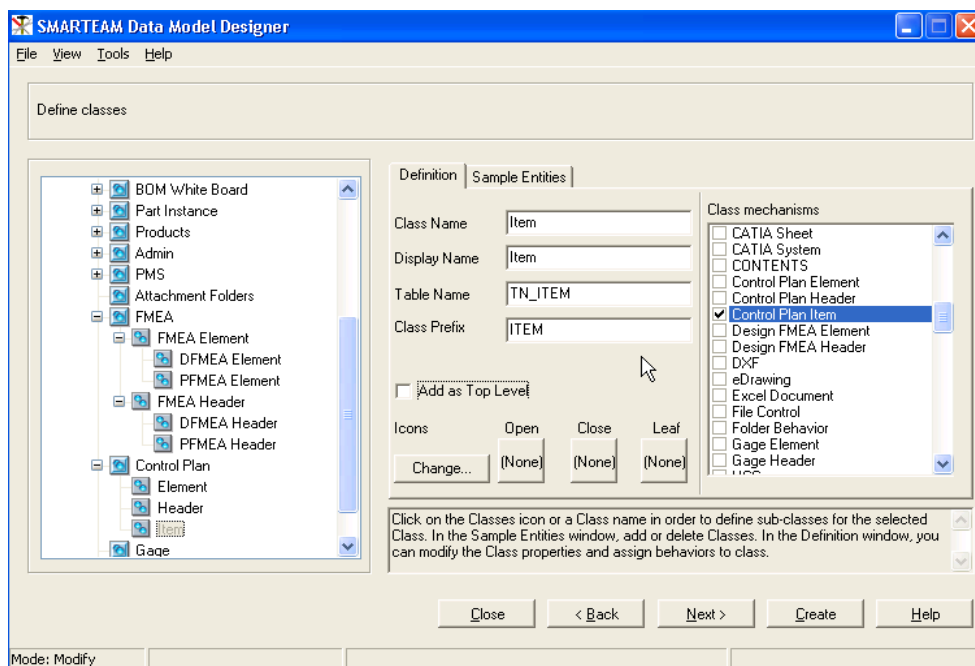
13. Add “Control Plan Element” class mechanism to Element class.



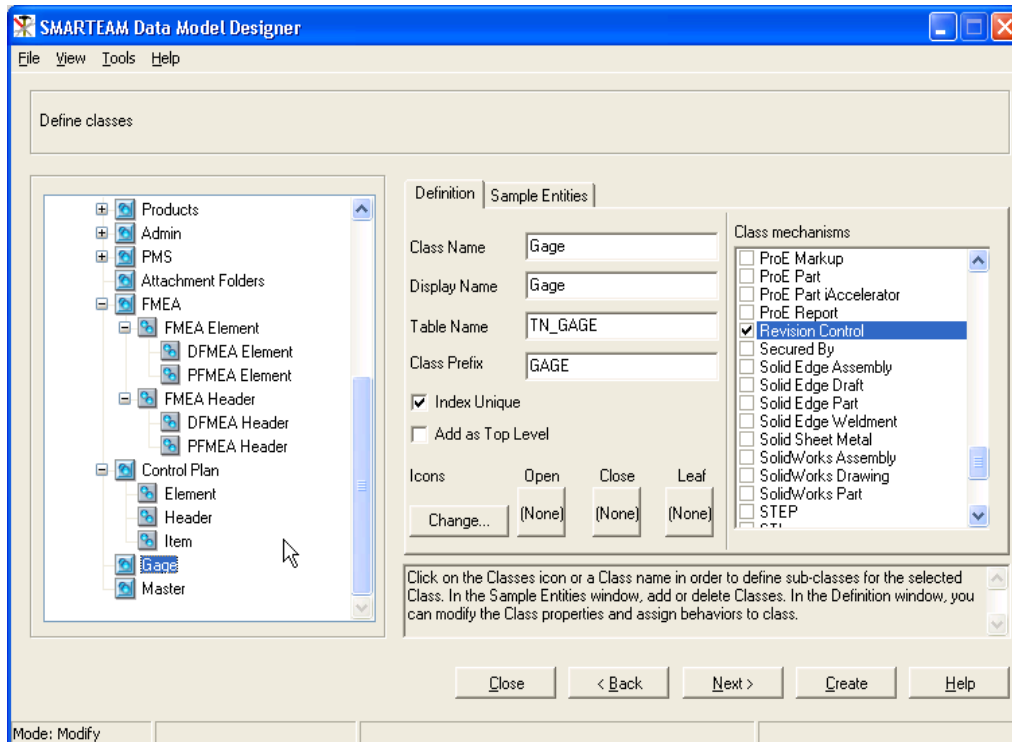
14. Add “Control Plan Header” class mechanism to Header Class



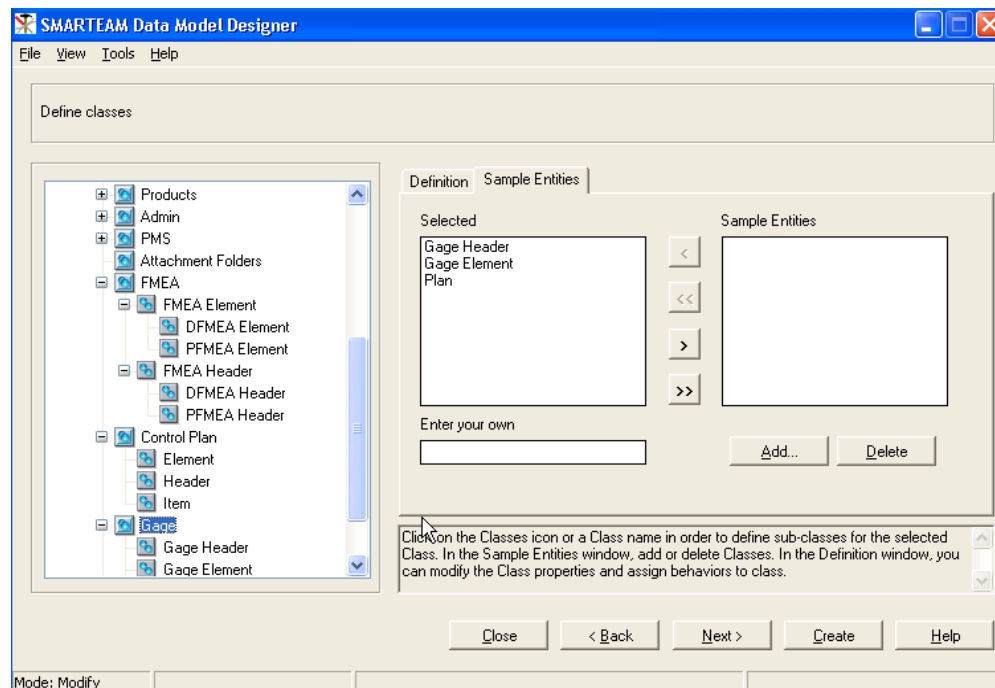
15. Add “Control Plan Item ” class mechanism to Item class



16. Select Gage Class. Add “Revision Control” mechanism to Gage class.

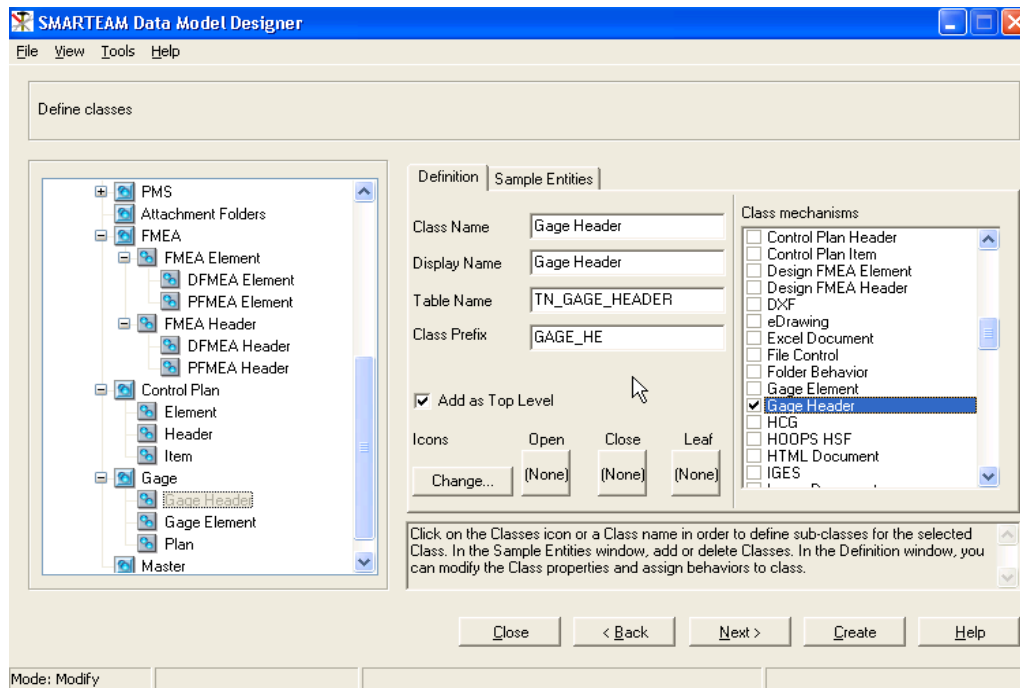


17. Add three sub classes to Gage class
 - Gage Header, Gage Element, and Plan.

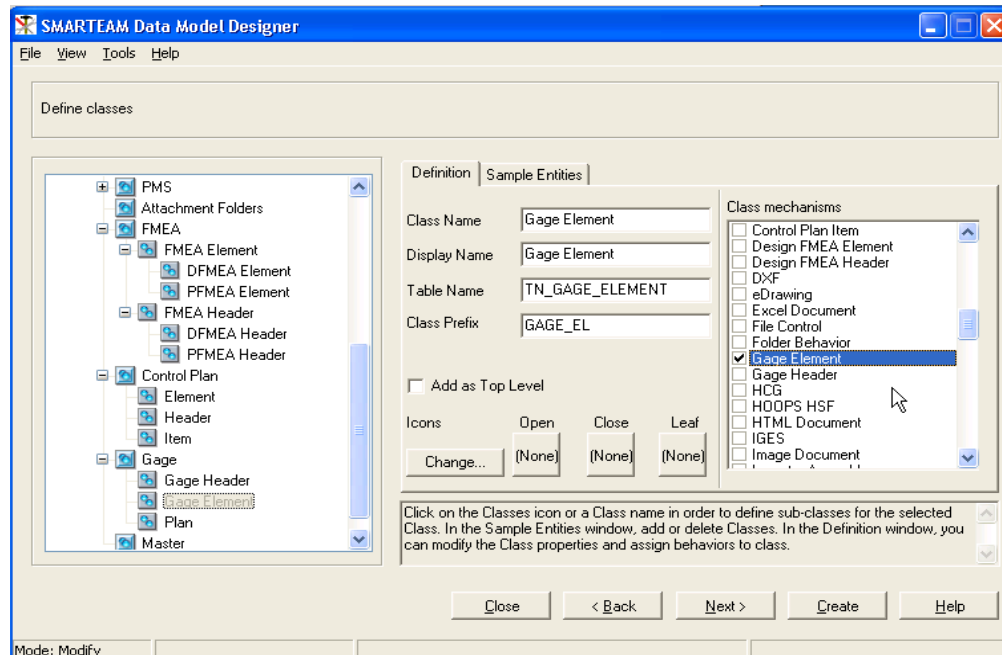


18. Add "Gage Header" class mechanisms to Gage Header class

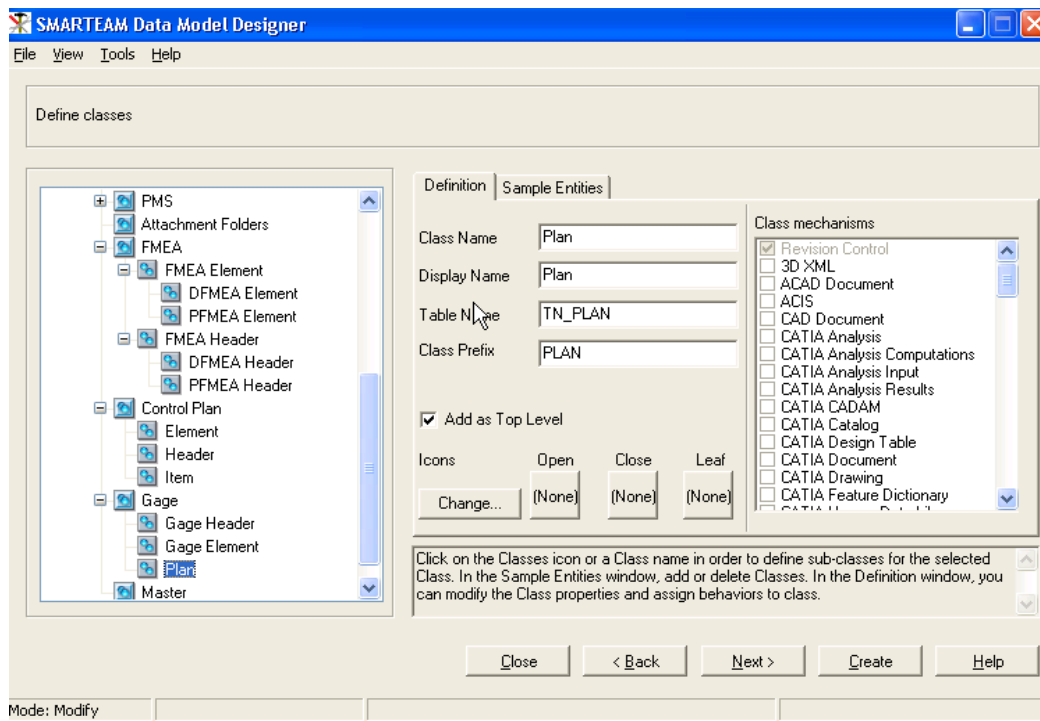
Check on “Add as Top Level” for Gage Header class.



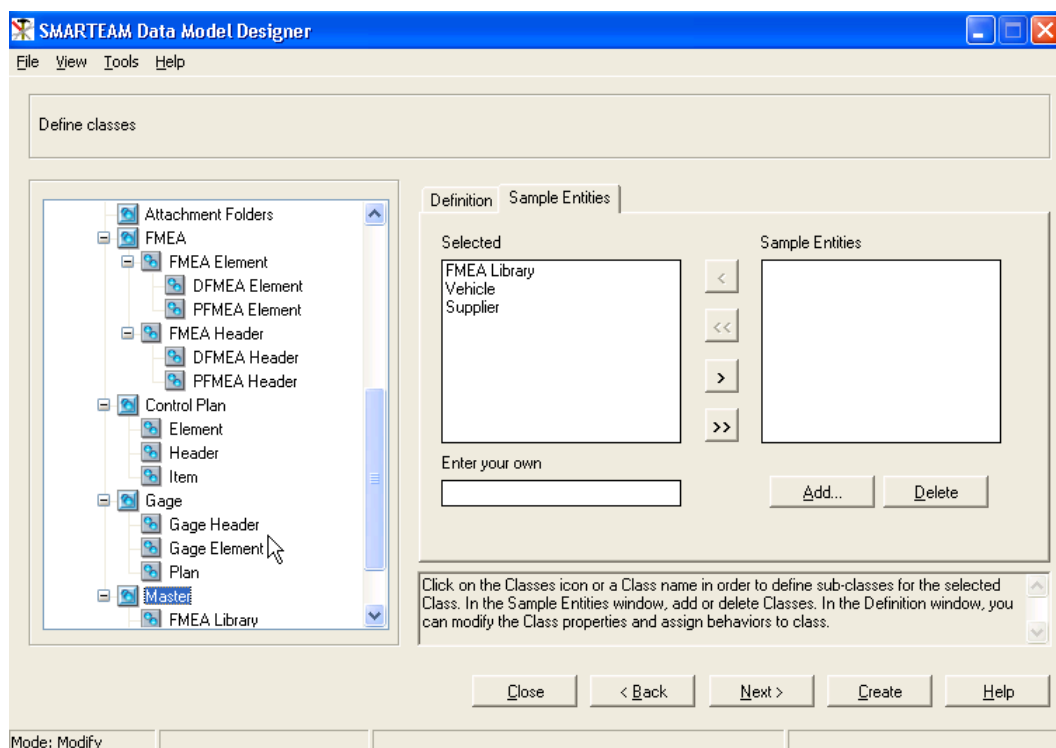
19. Add “Gage Element class mechanism” to Gage Element class.



20. Select “Plan” Class. Check on Add as Top Level.

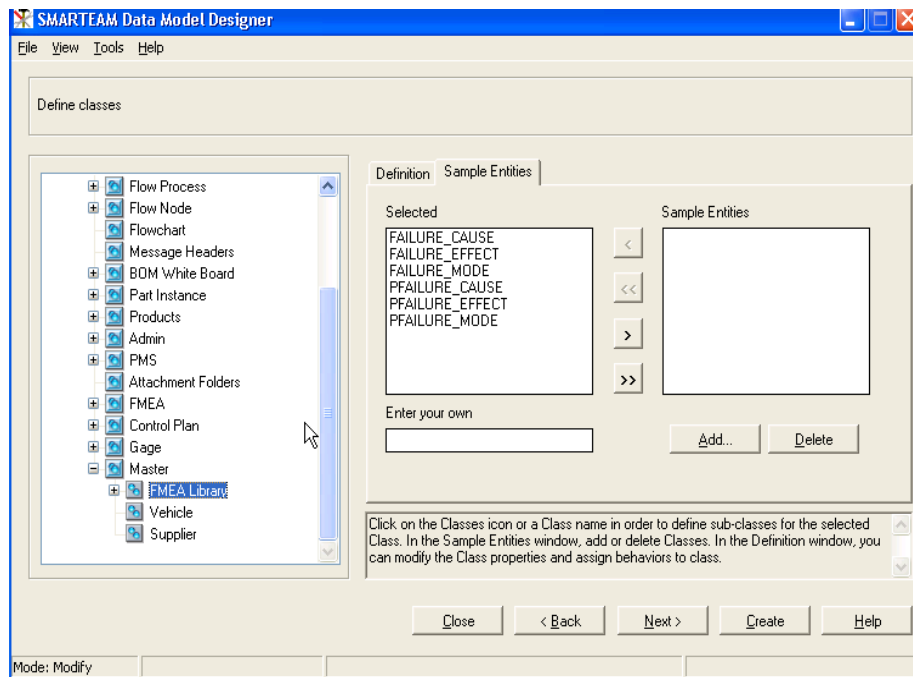


21. Select Master Class. Add three sub class:
FMEA Library, Vehicle and Supplier

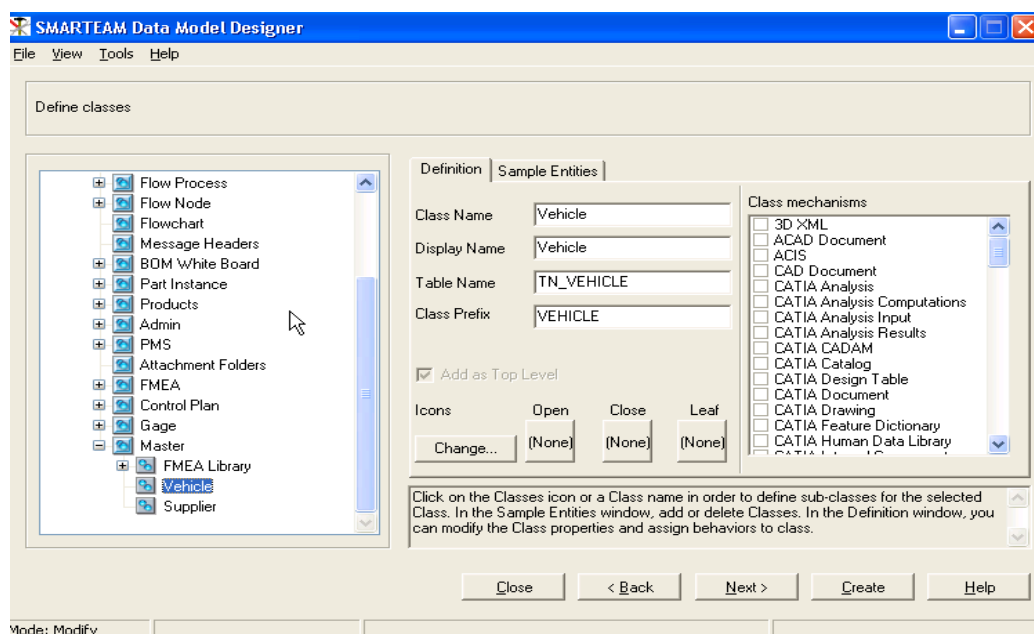


22. Select FMEA Library class and add six sub-classes

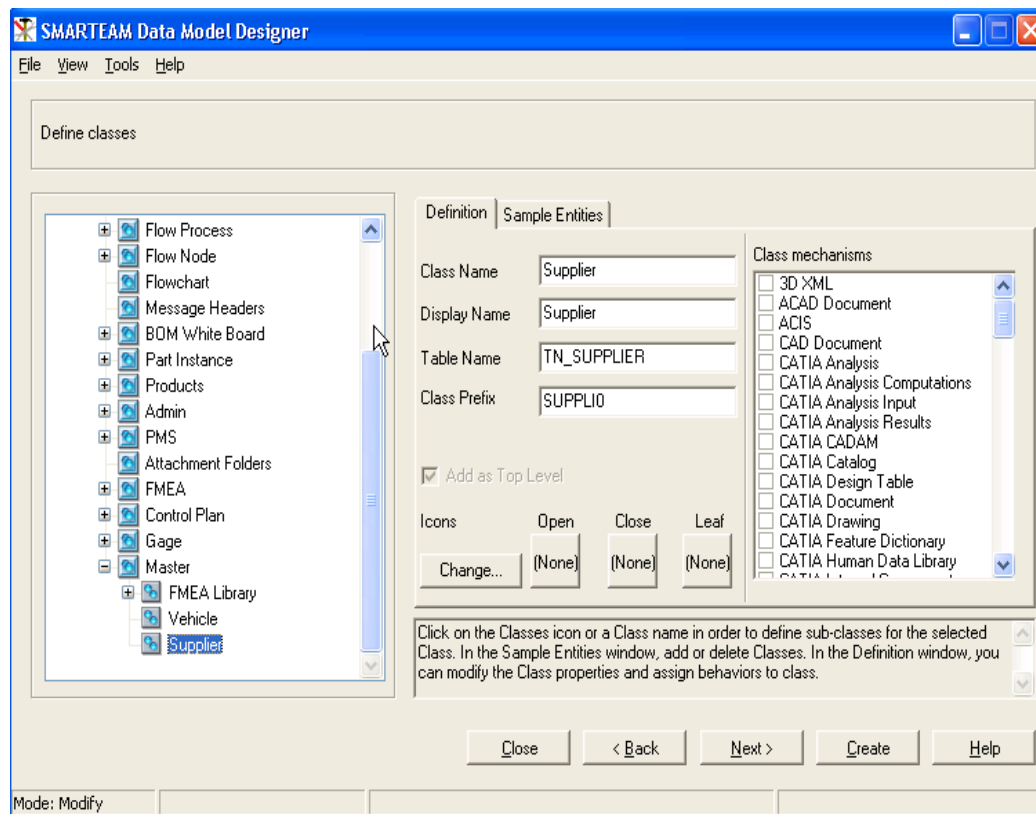
FAILURE_CAUSE,
FAILURE_MODE,
FAILURE_EFFECT,
PFAILURE_CAUSE,
PFAILURE_MODE,
PFAILURE_EFFECT



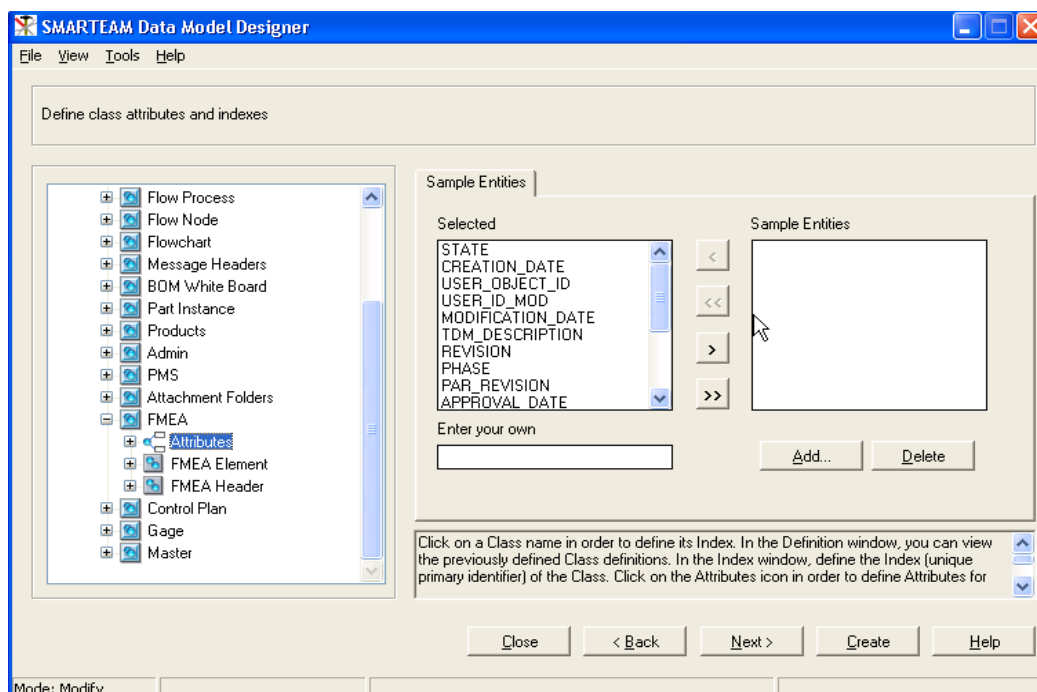
23. Select Vehicle Class. Check Add as Top Level



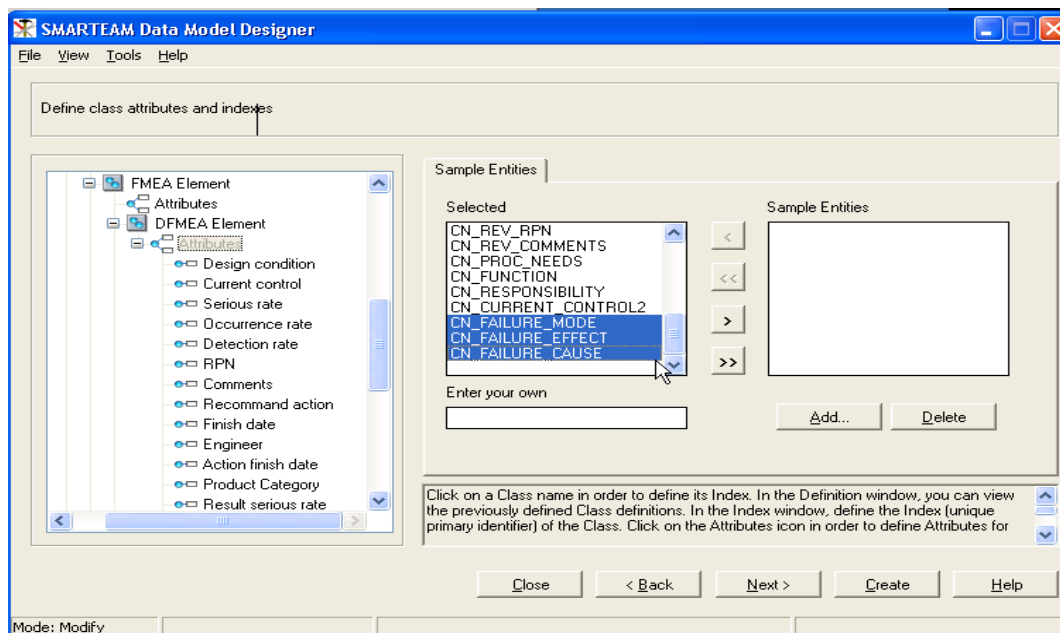
24. Select Supplier Class. Check Add as Top Level.



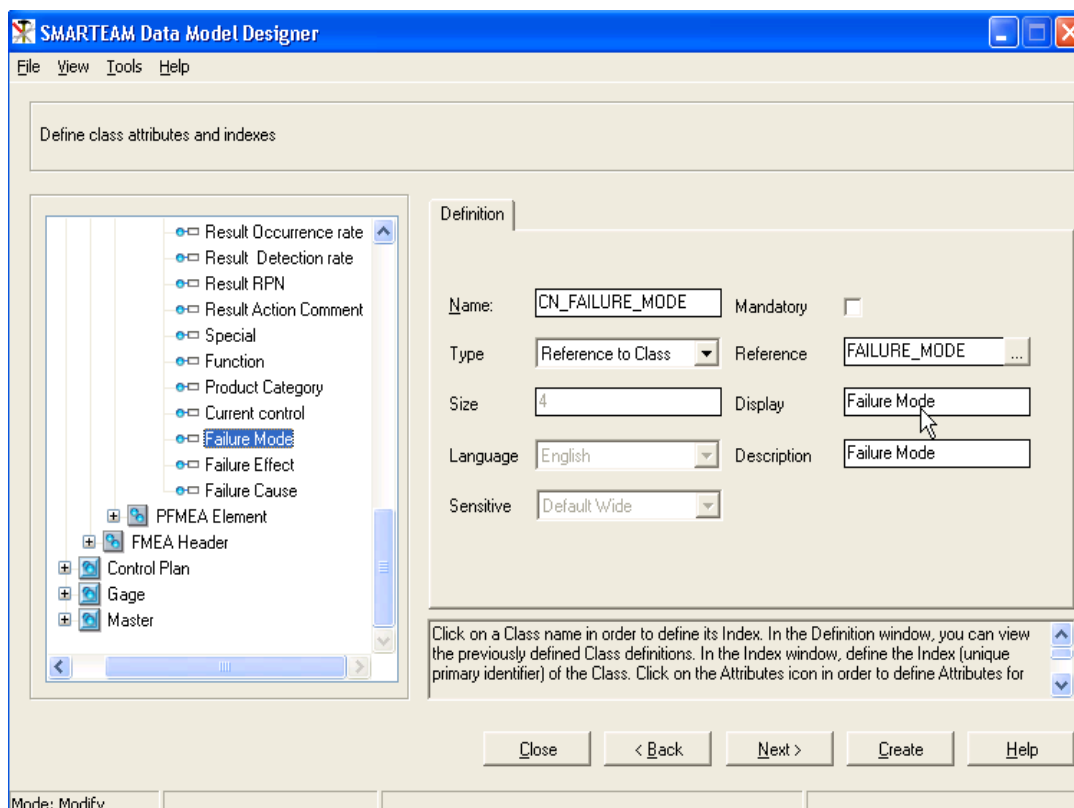
25. Click on Next button. Following window will appear showing Attributes.



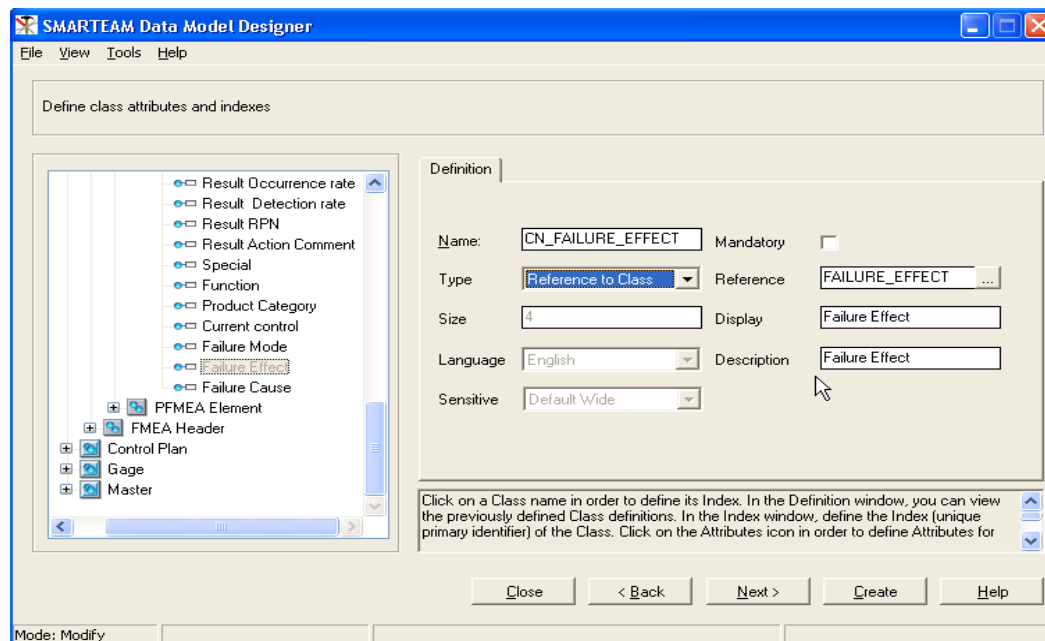
26. Select DFMEA Element under FMEA Element class. Add three attributes.
CN_FAILURE_MODE, CN_FAILURE_EFFECT, CN_FAILURE_CAUSE



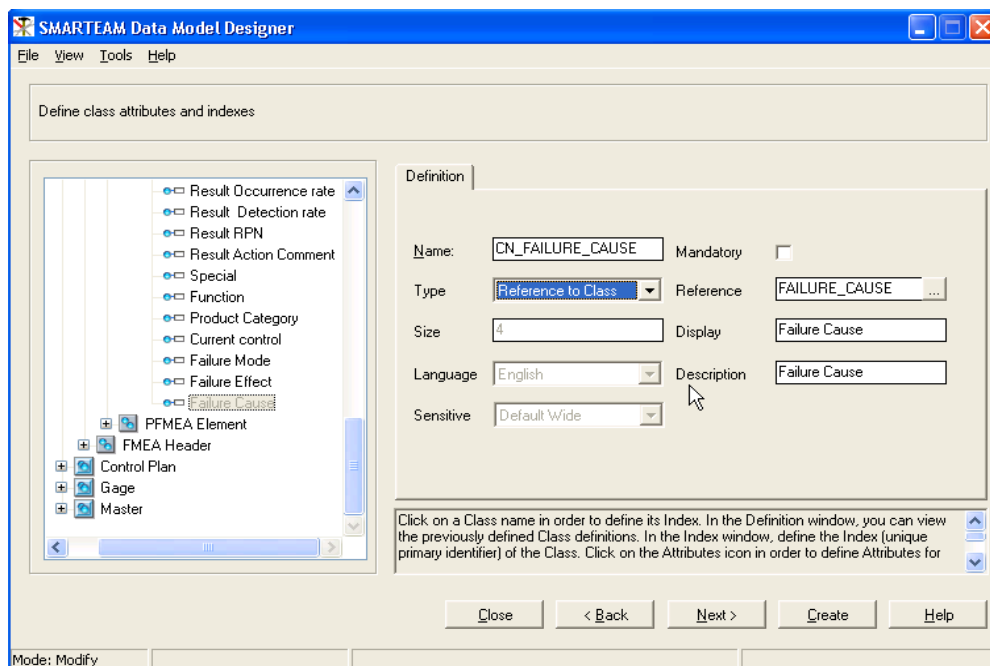
27. Select CN_FAILURE_MODE attribute.
Change Display and Description as Failure Mode Select Type as Referenced to Class
and add Reference to FAILURE_MODE under FMEA Library



28. Select CN_FAILURE_EFFECT Attribute.
Change Display and Description as Failure Effect.
Select Type as Referenced to Class and add Reference to FAILURE_EFFECT under FMEA Library.



29. Select CN_FAILURE_CAUSE Attribute.
Change Display and Description as Failure Cause.
Select Type as Referenced to Class and add Reference to FAILURE_CAUSE under FMEA Library

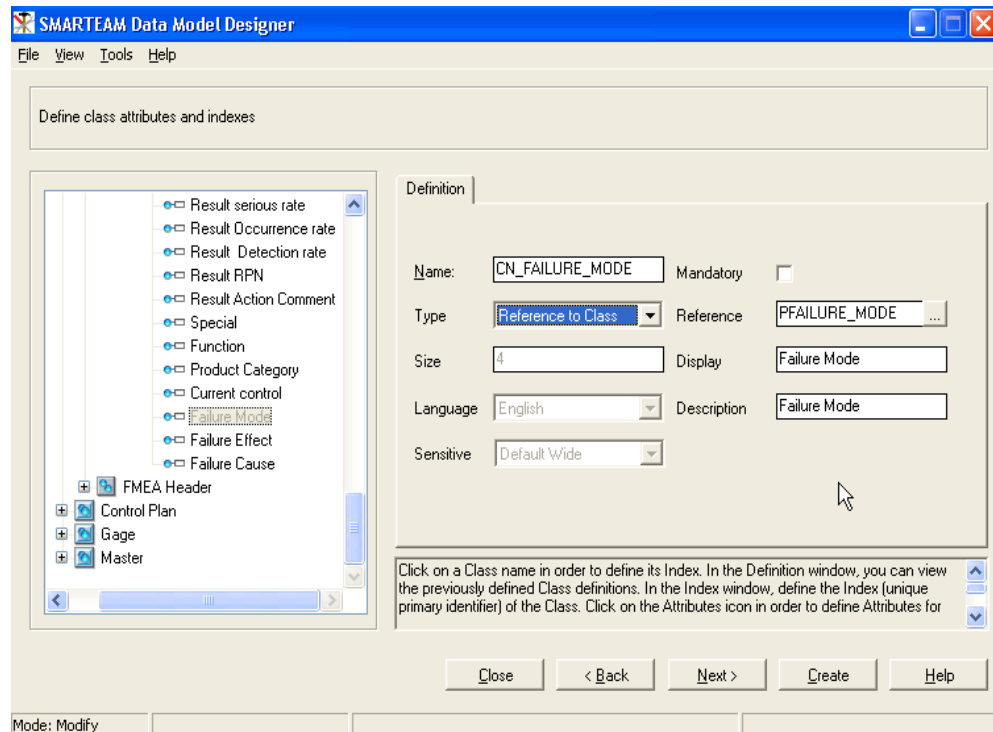


30. Select PFMEA Element under FMEA Element class. Add three attributes.
CN_FAILURE_MODE, CN_FAILURE_EFFECT, CN_FAILURE_CAUSE
(Similarly as done for DFMEA Element)

31. Select CN_FAILURE_MODE Attribute.

Change Display and Description as Failure Mode.

Select Type as Referenced to Class and add Reference to PFAILURE_MODE under FMEA Library



The screenshot shows the SMARTeam Data Model Designer interface. On the left, a tree view lists various attributes, with 'Failure Mode' selected under the 'FMEA Header' category. The main 'Definition' panel on the right is configured as follows:

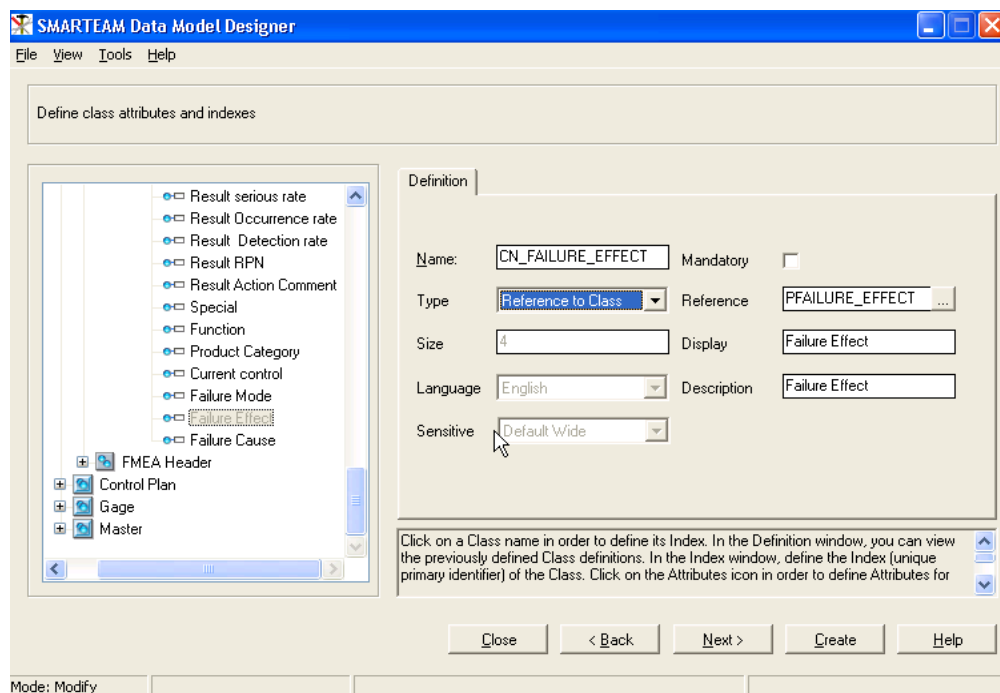
- Name:** CN_FAILURE_MODE
- Mandatory:** ☐
- Type:** Reference to Class
- Reference:** PFAILURE_MODE
- Size:** 4
- Display:** Failure Mode
- Language:** English
- Description:** Failure Mode
- Sensitive:** Default Wide

At the bottom, there are buttons for 'Close', '< Back', 'Next >', 'Create', and 'Help'. A status bar at the very bottom indicates 'Mode: Modify'.

32. Select CN_FAILURE_EFFECT Attribute.

Change Display and Description as Failure Effect.

Select Type as Referenced to Class and add Reference to PFAILURE_EFFECT under FMEA Library



The screenshot shows the SMARTeam Data Model Designer interface. On the left, a tree view lists various attributes, with 'Failure Effect' selected under the 'FMEA Header' category. The main 'Definition' panel on the right is configured as follows:

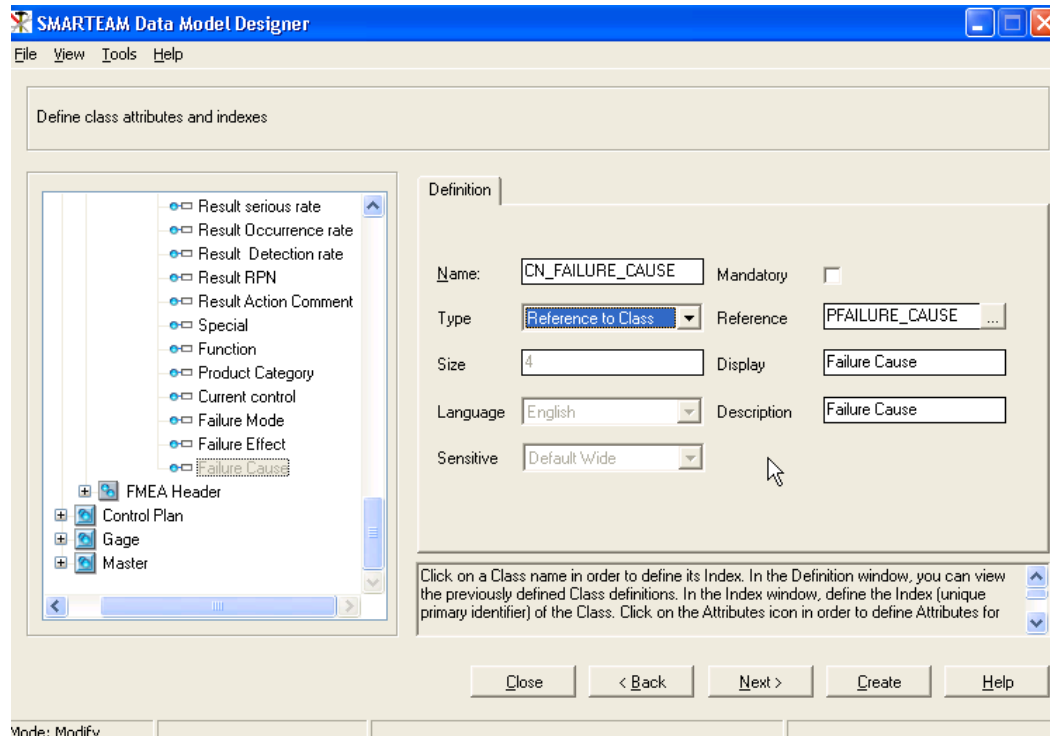
- Name:** CN_FAILURE_EFFECT
- Mandatory:** ☐
- Type:** Reference to Class
- Reference:** PFAILURE_EFFECT
- Size:** 4
- Display:** Failure Effect
- Language:** English
- Description:** Failure Effect
- Sensitive:** Default Wide

At the bottom, there are buttons for 'Close', '< Back', 'Next >', 'Create', and 'Help'. A status bar at the very bottom indicates 'Mode: Modify'.

33. Select CN_FAILURE_CAUSE Attribute.

Change Display and Description as Failure Cause.

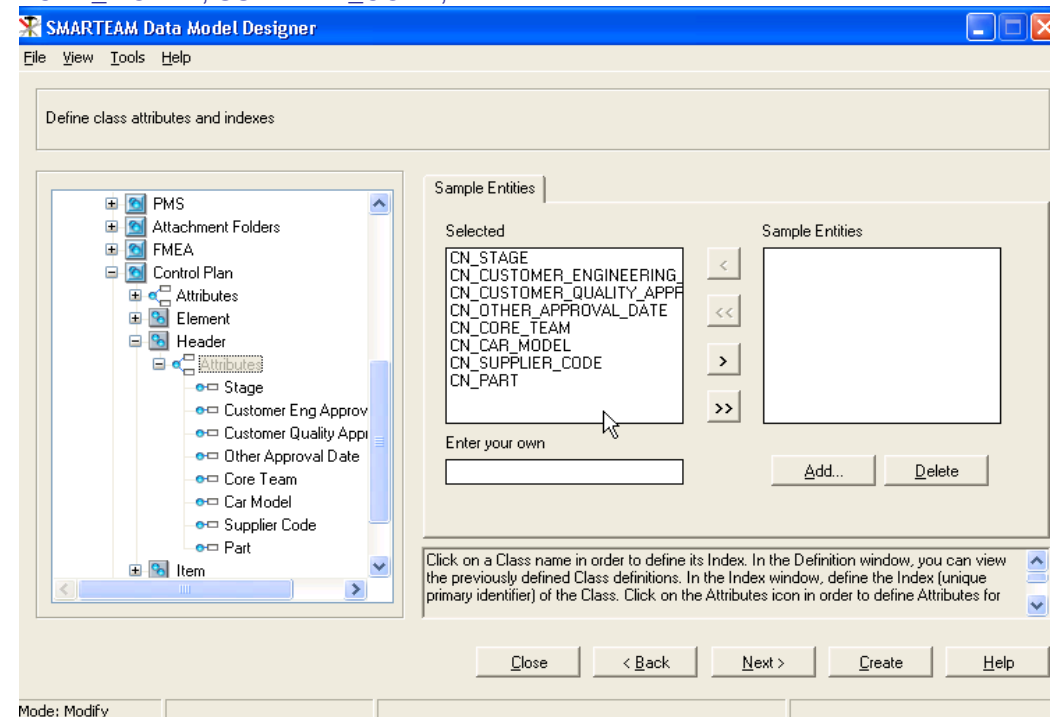
Select Type as Referenced to Class and add Reference to PFAILURE_ CAUSE under FMEA Library



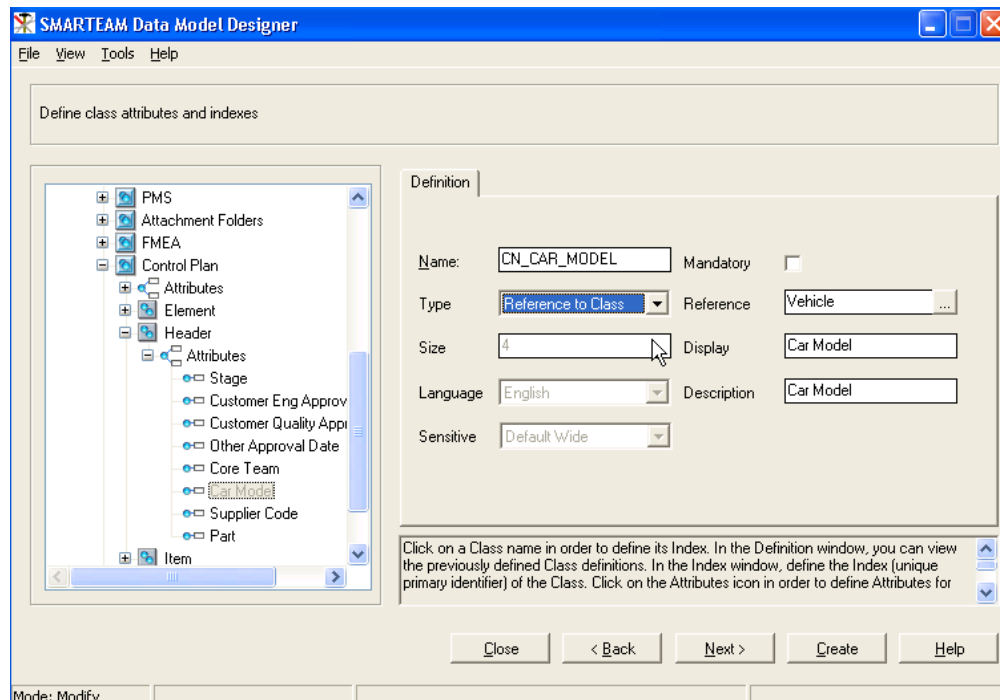
34. Select Header subclass under Control Plan class.

Add three attributes on Header.

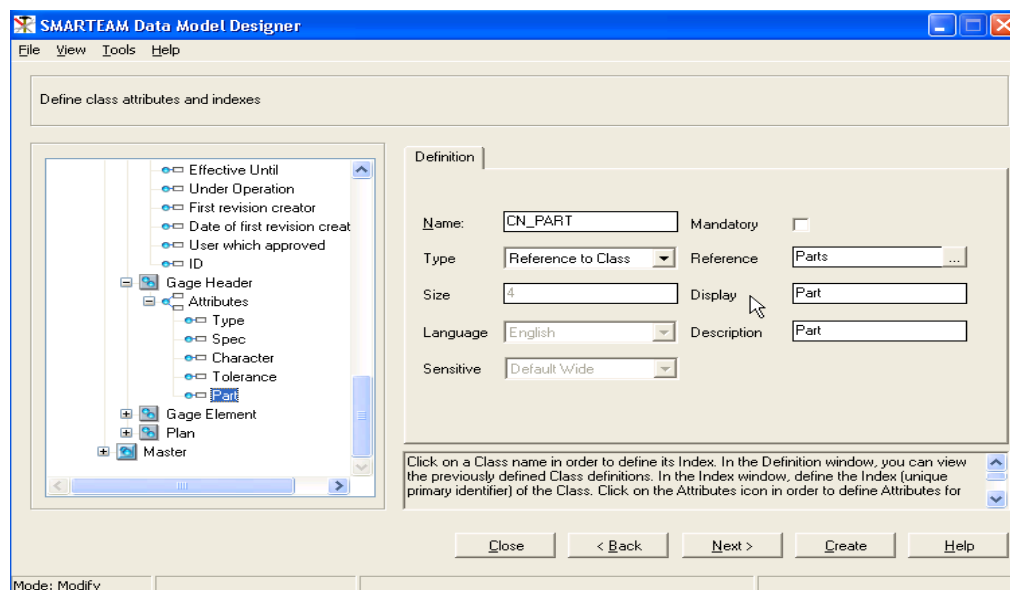
CAR_MODEL, SUPPLIER_CODE, PART



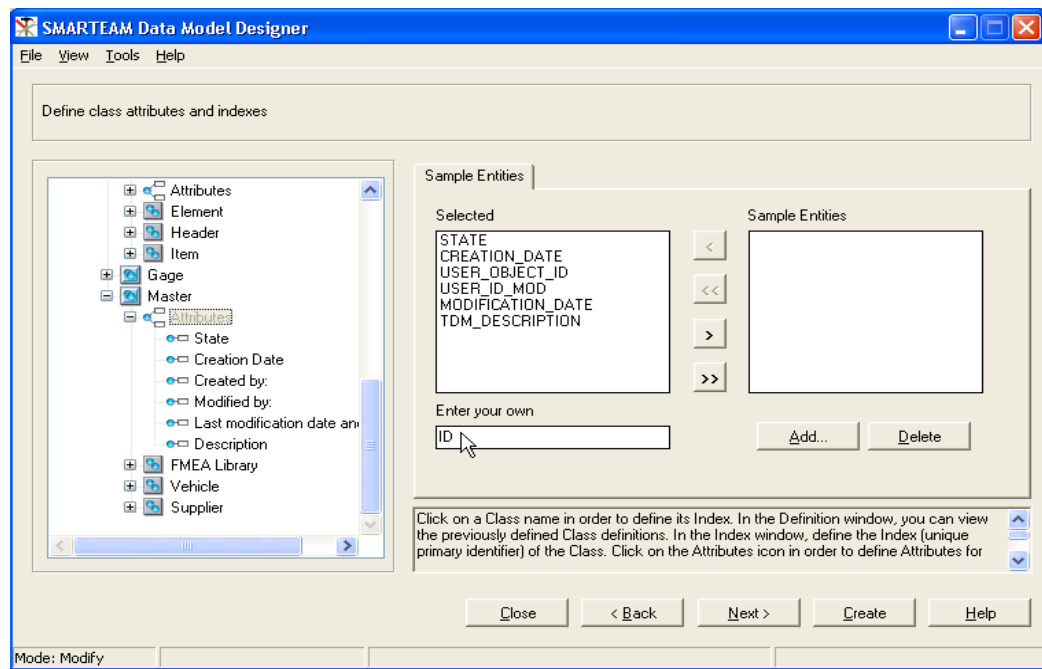
35. Select CN_CAR_MODEL Attribute.
Change Display and Description as Car Model.
Select Type as Referenced to Class and add Reference to Vehicle under Master class



36. Select CN_SUPPLIER_CODE Attribute.
Change Display and Description as Supplier code.
Select Type as Referenced to Class and add Reference to Vehicle under Master class
37. Similarly select CN_PART attribute.
Change Display and Description as Part.
Select Type as Referenced to Class and add Reference to Parts in class hierarchy.
38. Select Gage Header class under Gage Class and "Part" attribute.
Change Display and Description as Part.
Select Type as Referenced to Class and add Reference to class Parts

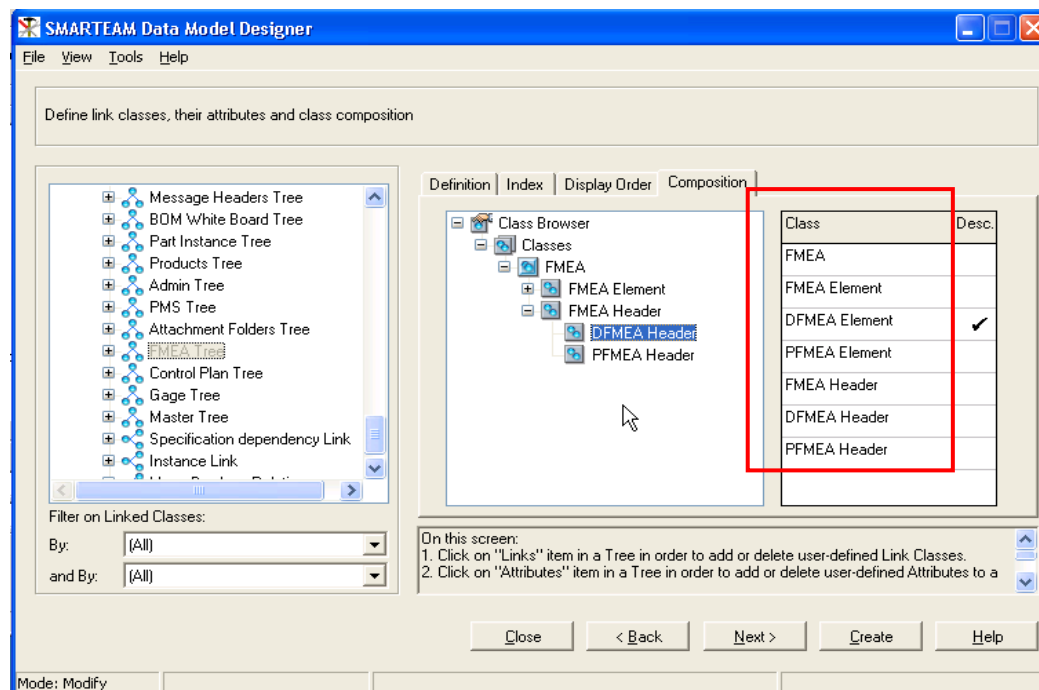


39. Select Master Class. Add an attribute “ID”.

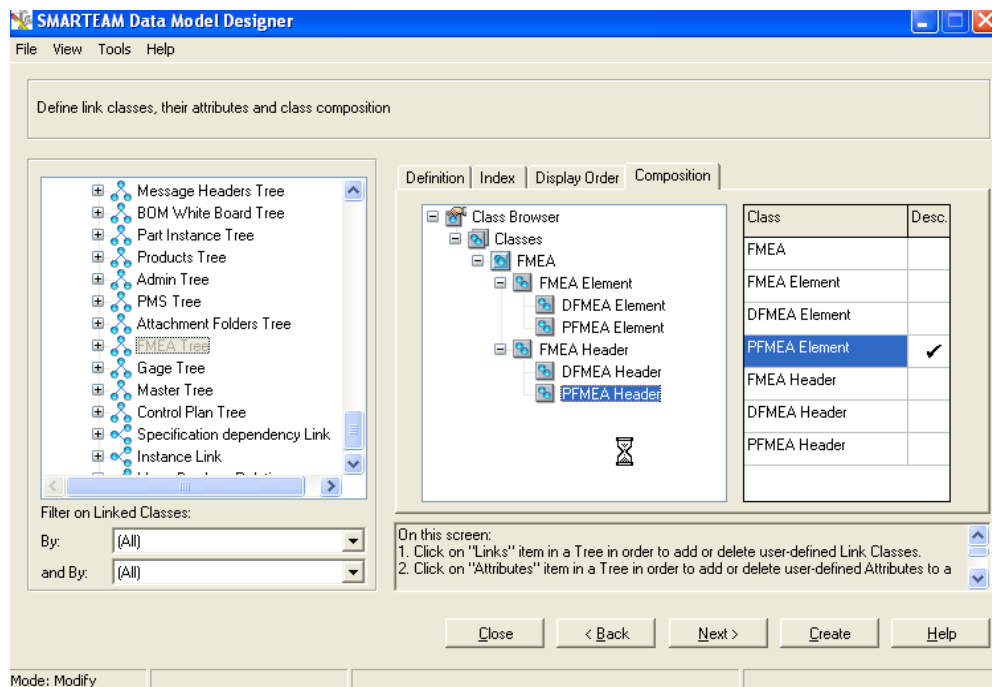


Click on next.

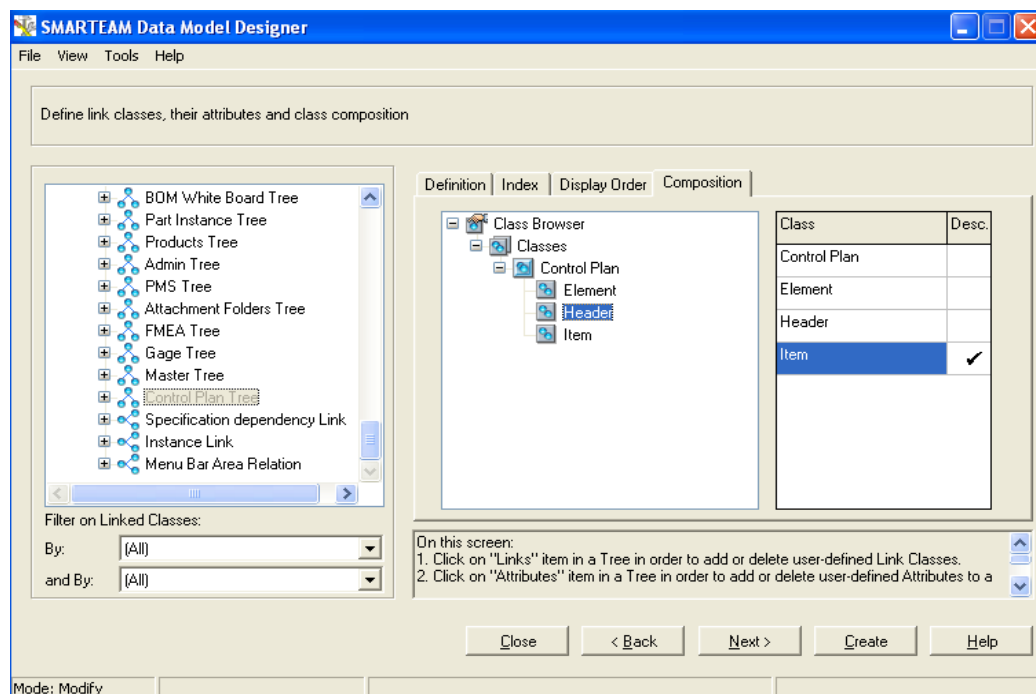
40. Select FMEA Tree and click on Composition tab. In Right Panel we see a FMEA tree structure. Here select DFMEA Header. Now we can see “Class and Desc” table. Check before DFMEA Element



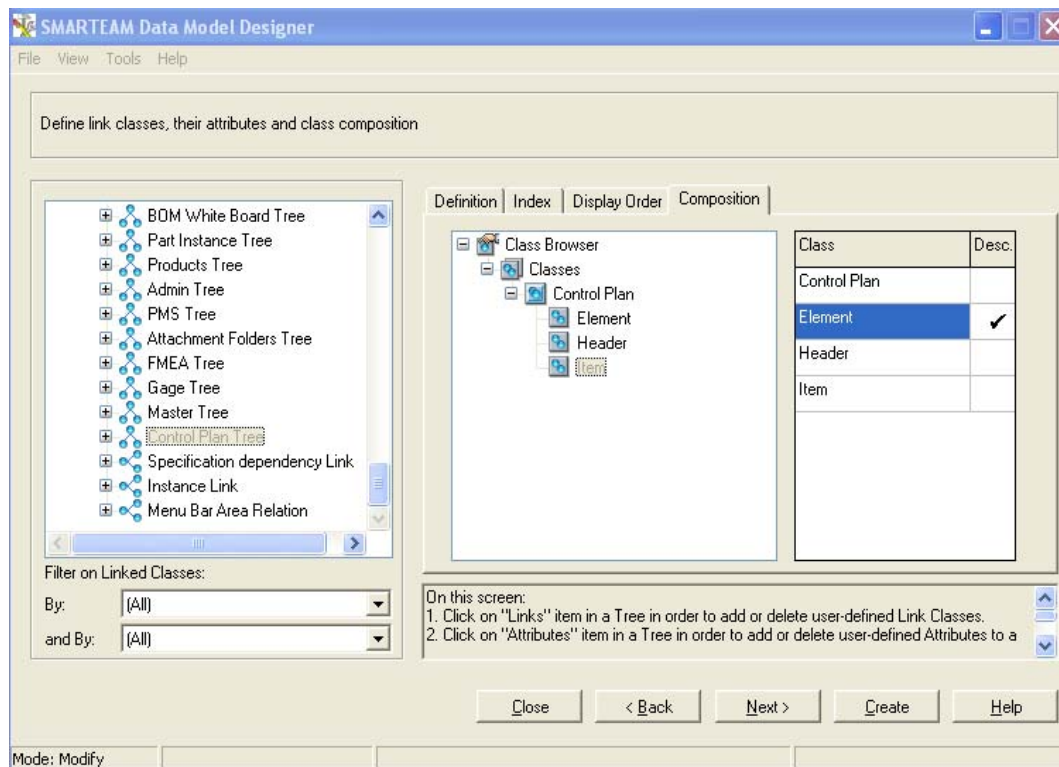
41. Select PFMEA Header. Check before PFMEA Element



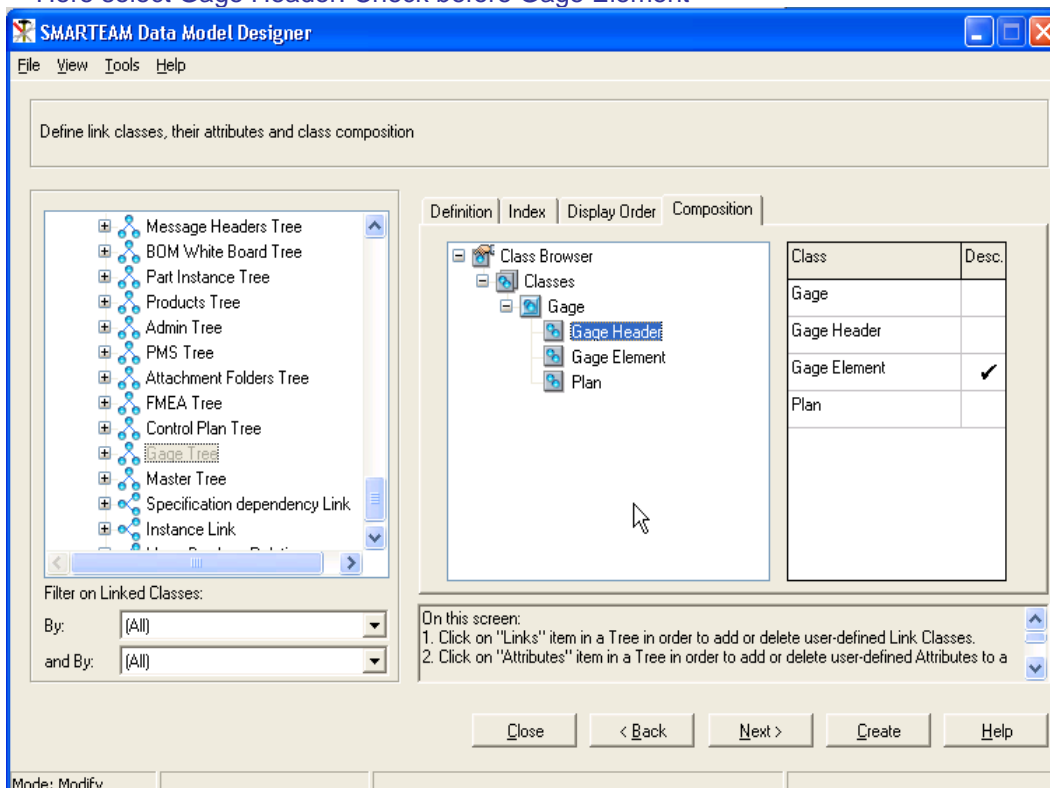
42. Select Control Plan Tree. In Right Panel we see a Control Plan tree structure. Here select Header. Check before Item



43. Select Item. Now Check before Element

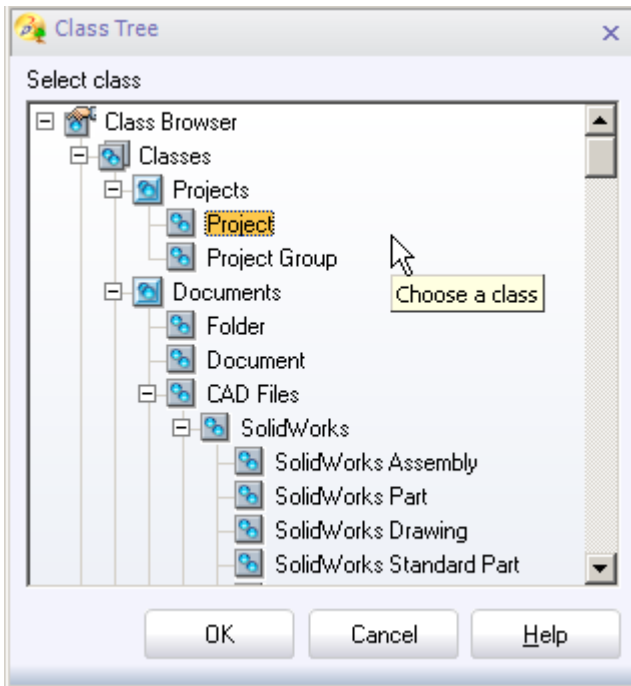


44. Select Gage Tree. In Right Panel we see a Gage tree structure. Here select Gage Header. Check before Gage Element



• Modifying Profile Cards

Open the Web Form Designer using SmartTeam->Administrator Tools->Admin console.
Select the Project class from the Class Browser and click OK.

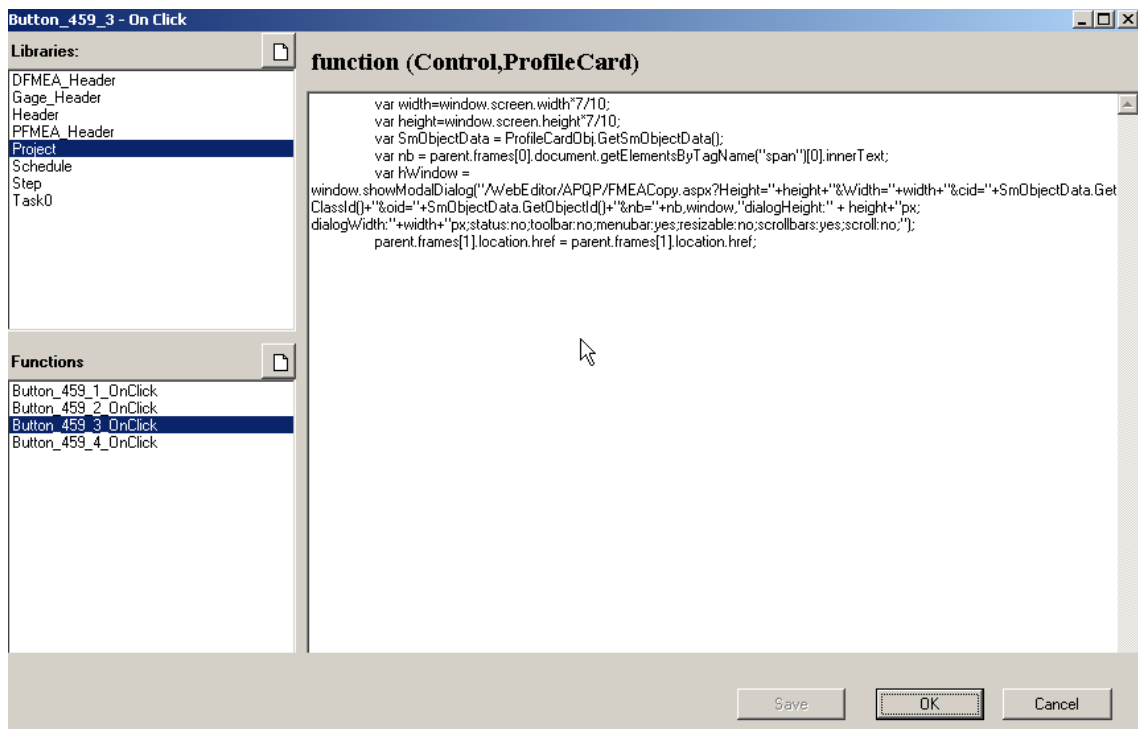


Add two buttons “**FMEA copy**” and “**ControlPlan Copy**” in the project profile card.

General			
Project			
Project ID:	<input type="text"/>		
Description:	<input type="text"/>		
	<input type="checkbox"/> Template		
General Info			
	<input type="button" value="Team Members"/>		<input type="button" value="Project Copy"/>
	<input type="button" value="FMEA Copy"/>		<input type="button" value="Control Plan Copy"/>
Priority:	<input type="text"/>	Completed	<input type="text"/>
Risk:	<input type="text"/>		
Budget:	<input type="text"/>	Actual Cost:	<input type="text"/>
Currency:	<input type="text"/>		
Comments	<input type="text"/>		
Details			
		Calendar Type:	<input type="text"/>
Planned		Actual	

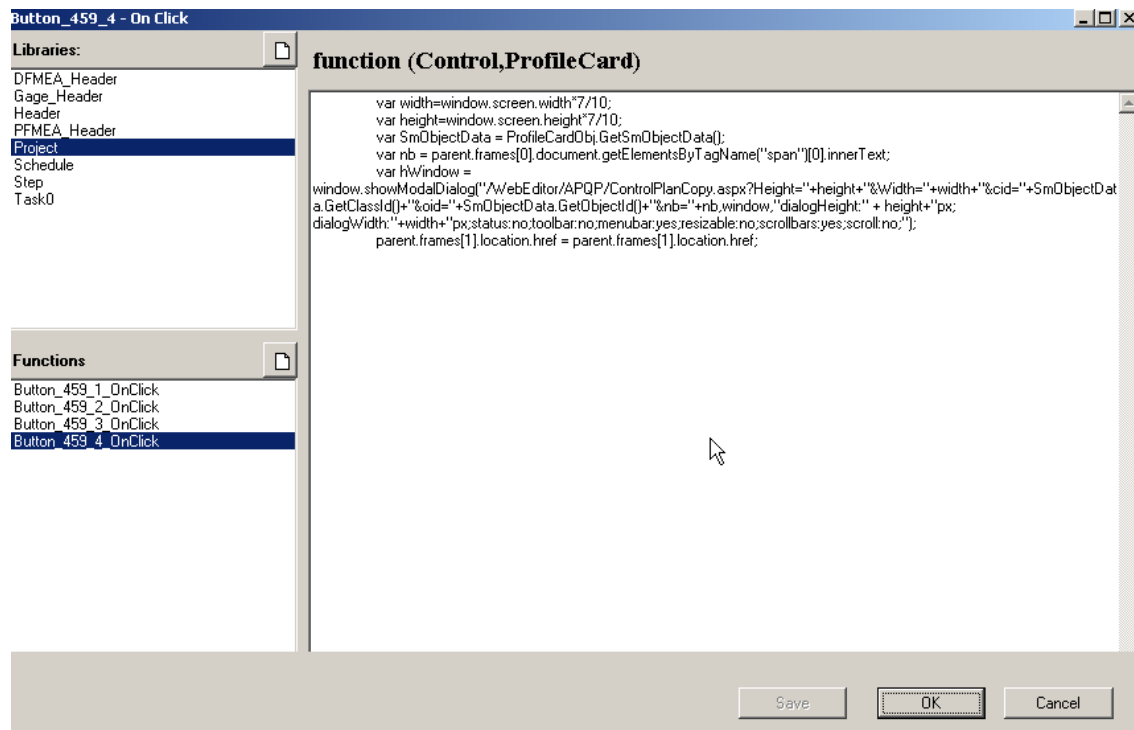
Add following java script for button **"FMEA copy"** at "On Click", visible in Modes "Update" and "View".

```
var width=window.screen.width*7/10;
var height=window.screen.height*7/10;
var SmObjectData = ProfileCardObj.GetSmObjectData();
var nb = parent.frames[0].document.getElementsByTagName("span")[0].innerText;
var
hWindow=window.showModalDialog("/WebEditor/APQP/FMEACopy.aspx?Height="+height+"&Width="+width+
&cid="+SmObjectData.GetClassId()+"&oid="+SmObjectData.GetObjectId()+"&nb="+nb,window,"dialogHeight:"
+ height+"px; dialogWidth:"+width+"px;status:no;toolbar:no;menubar:yes;resizable:no;scrollbars:yes;scroll:no;");
parent.frames[1].location.href = parent.frames[1].location.href;
```

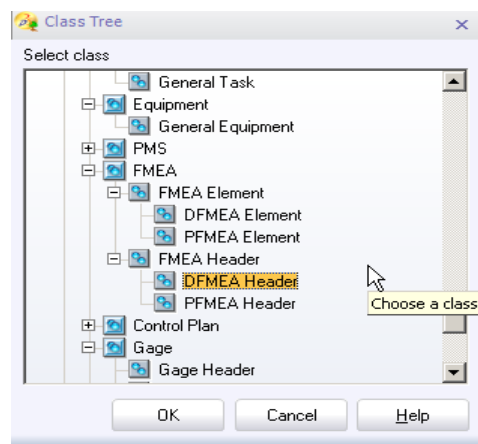


Add java script for button **"Controlplan copy"** at "On Click", visible in Modes "Update" and "View"

```
var width=window.screen.width*7/10;
var height=window.screen.height*7/10;
var SmObjectData = ProfileCardObj.GetSmObjectData();
var nb = parent.frames[0].document.getElementsByTagName("span")[0].innerText;
var
hWindow
window.showModalDialog("/WebEditor/APQP/ControlPlanCopy.aspx?Height="+height+"&Width="+width+"&cid="+S
mObjectData.GetClassId()+"&oid="+SmObjectData.GetObjectId()+"&nb="+nb,window,"dialogHeight:" + height+"px;
dialogWidth:"+width+"px;status:no;toolbar:no;menubar:yes;resizable:no;scrollbars:yes;scroll:no;");
parent.frames[1].location.href = parent.frames[1].location.href;
```

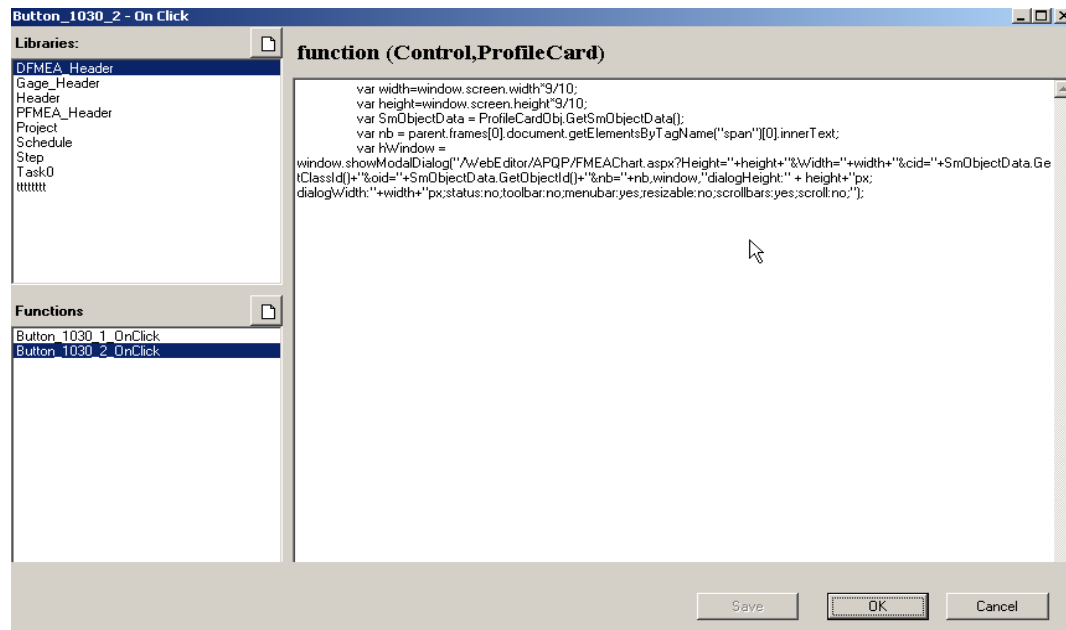



Modify profile card of “**DFMEA Header**” under FMEA class. Add two buttons “chart” and “Report”



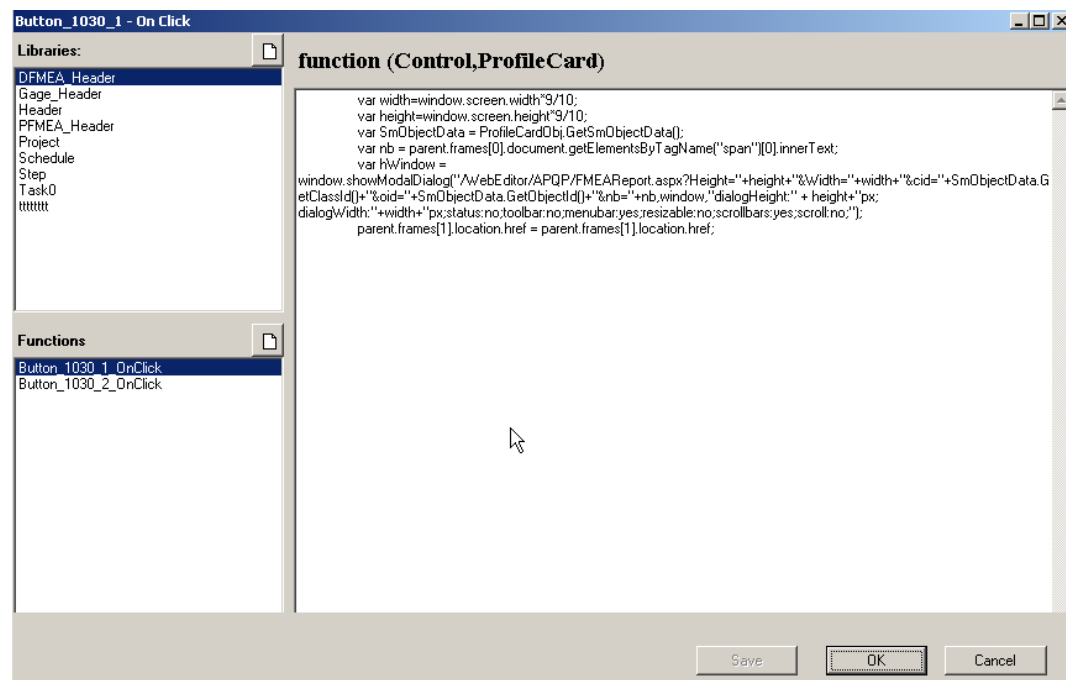
Add java script for button “**Chart**” at “On Click”, visible in Modes “Update” and “View”

```
var width=window.screen.width*9/10;
var height=window.screen.height*9/10;
var SmObjectData = ProfileCardObj.GetSmObjectData();
var nb = parent.frames[0].document.getElementsByTagName("span")[0].innerText;
var hWindow
window.showModalDialog("/WebEditor/APQP/FMEACHart.aspx?Height="+height+"&Width="+width+"&cid="+SmObjectData.GetClassId()+&oid="+SmObjectData.GetObjectId()+&nb="+nb,window,"dialogHeight:" + height+"px;
dialogWidth:"+width+"px;status:no;toolbar:no;menubar:yes;resizable:no;scrollbars:yes;scroll:no;");
```

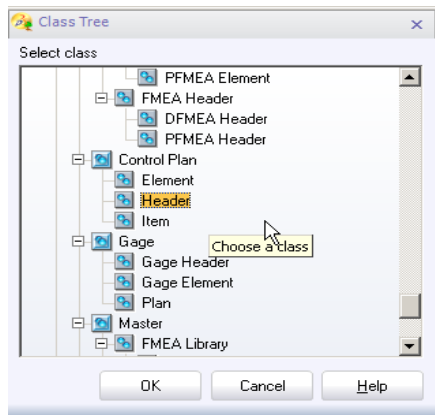


Add java script for button “**Report**” at “On Click”, visible in Modes “Update” and “View

```
var width=window.screen.width*9/10;
var height=window.screen.height*9/10;
var SmObjectData = ProfileCardObj.GetSmObjectData();
var nb = parent.frames[0].document.getElementsByTagName("span")[0].innerText;
var hWindow
window.showModalDialog("/WebEditor/APQP/FMEARReport.aspx?Height="+height+"&Width="+width+"&cid="+SmObjectData.GetClassId()+"&oid="+SmObjectData.GetObjectId()+"&nb="+nb,window,"dialogHeight:"+ height+"px;
dialogWidth:"+width+"px;status:no;toolbar:no;menubar:yes;resizable:no;scrollbars:yes;scroll:no;");
parent.frames[1].location.href = parent.frames[1].location.href;
```

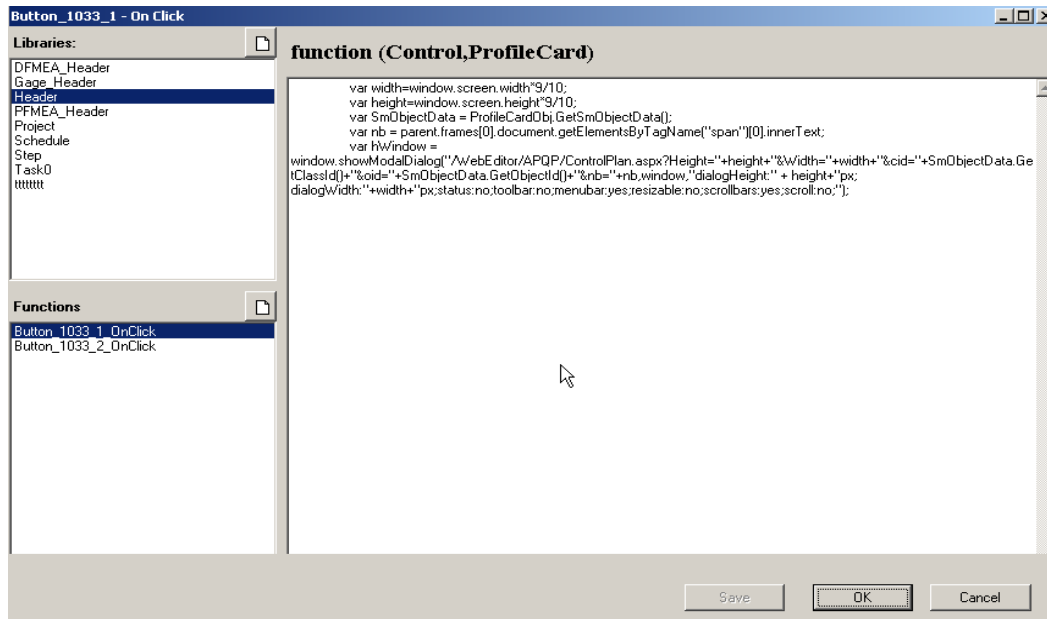


Modify profile card of “Header” under Control Plan class. Add two buttons: Edit and Export



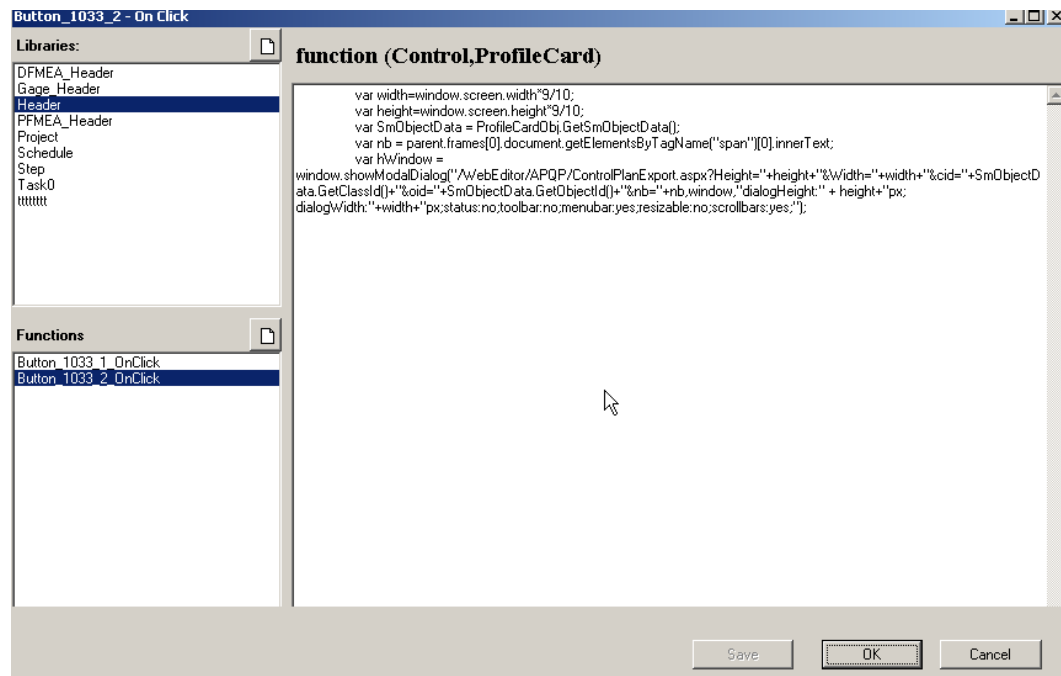
Add java script for button “Edit” at “On Click”, visible in Modes “Update” and “View

```
var width=window.screen.width*9/10;
var height=window.screen.height*9/10;
var SmObjectData = ProfileCardObj.GetSmObjectData();
var nb = parent.frames[0].document.getElementsByTagName("span")[0].innerText;
var hWindow =
window.showModalDialog("/WebEditor/APQP/ControlPlan.aspx?Height="+height+"&Width="+width+"&cid="+SmObjectData.GetClassId()+"&oid="+SmObjectData.GetObjectId()+"&nb="+nb,window,"dialogHeight:"+height+"px;
dialogWidth:"+width+"px;status:no;toolbar:no;menubar:yes;resizable:no;scrollbars:yes;scroll:no;");
```



Add java script for button “**Export**” at “On Click”, visible in Modes “Update” and “View

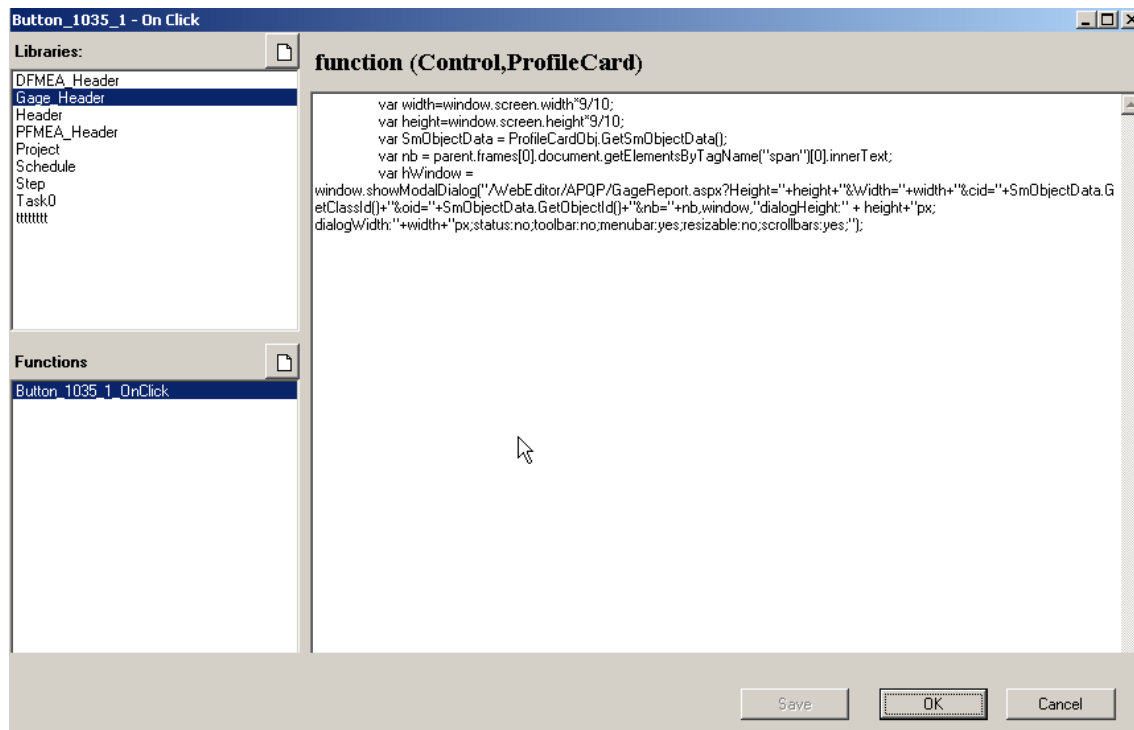
```
var width=window.screen.width*9/10;
var height=window.screen.height*9/10;
var SmObjectData = ProfileCardObj.GetSmObjectData();
var nb = parent.frames[0].document.getElementsByTagName("span")[0].innerText;
var hWindow =
window.showModalDialog("/WebEditor/APQP/ControlPlanExport.aspx?Height="+height+"&Width="+width+"&cid="+SmObjectData.GetClassId()+"&oid="+SmObjectData.GetObjectId()+"&nb="+nb,window,"dialogHeight:"+height+"px; dialogWidth:"+width+"px;status:no;toolbar:no;menubar:yes;resizable:no;scrollbars:yes;");
```



Modify profile card of “**Header**” under Gage class. Add “Report” button.

Add java script for button “**Report**” at “On Click”, visible in Modes “Update” and “View

```
var width=window.screen.width*9/10;
var height=window.screen.height*9/10;
var SmObjectData = ProfileCardObj.GetSmObjectData();
var nb = parent.frames[0].document.getElementsByTagName("span")[0].innerText;
var hWindow =
window.showModalDialog("/WebEditor/APQP/GageReport.aspx?Height="+height+"&Width="+width+"&cid="+SmObjectData.GetClassId()+"&oid="+SmObjectData.GetObjectId()+"&nb="+nb,window,"dialogHeight:"+height+"px; dialogWidth:"+width+"px;status:no;toolbar:no;menubar:yes;resizable:no;scrollbars:yes;");
```

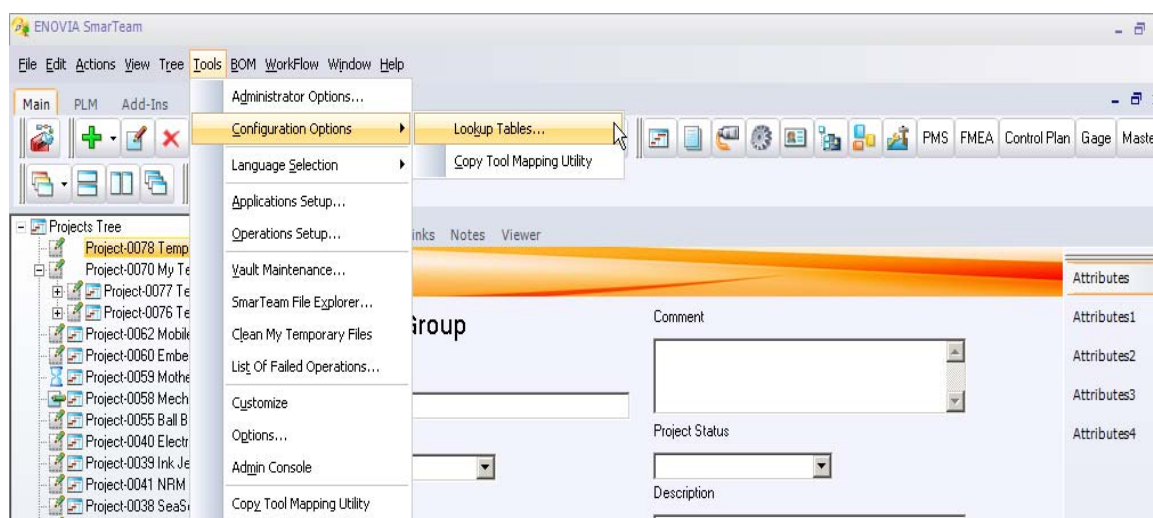


Click on the “Create” button to create the database after all these steps are done.

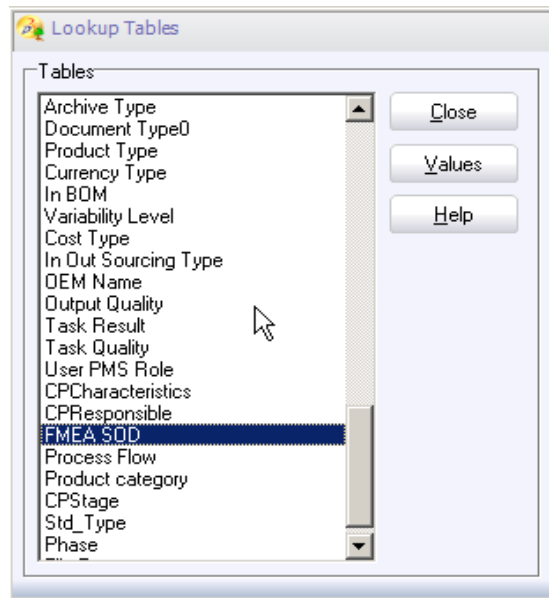
45. Adding Lookup table values

Launch SmarTeam Editor.

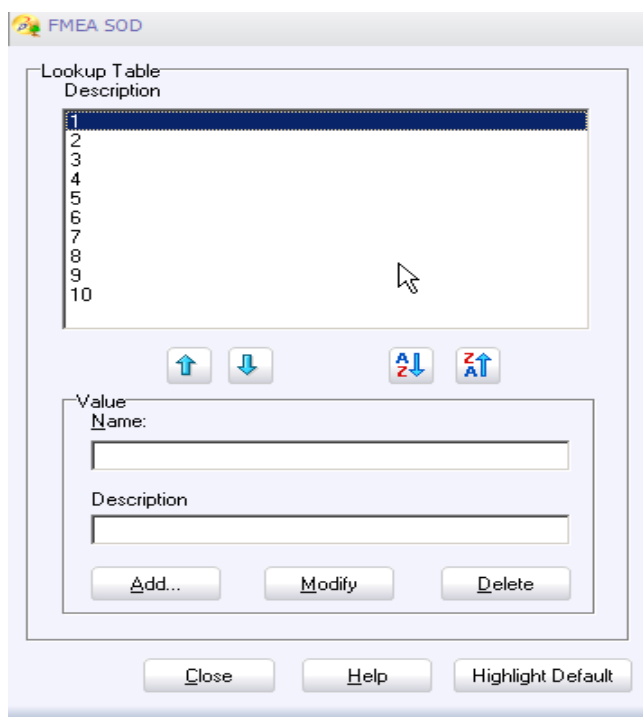
Go to Tools -> Configuration Options -> Lookup Tables



Select the “FMEA SOD” Lookup table from the list and click on values button to add values.



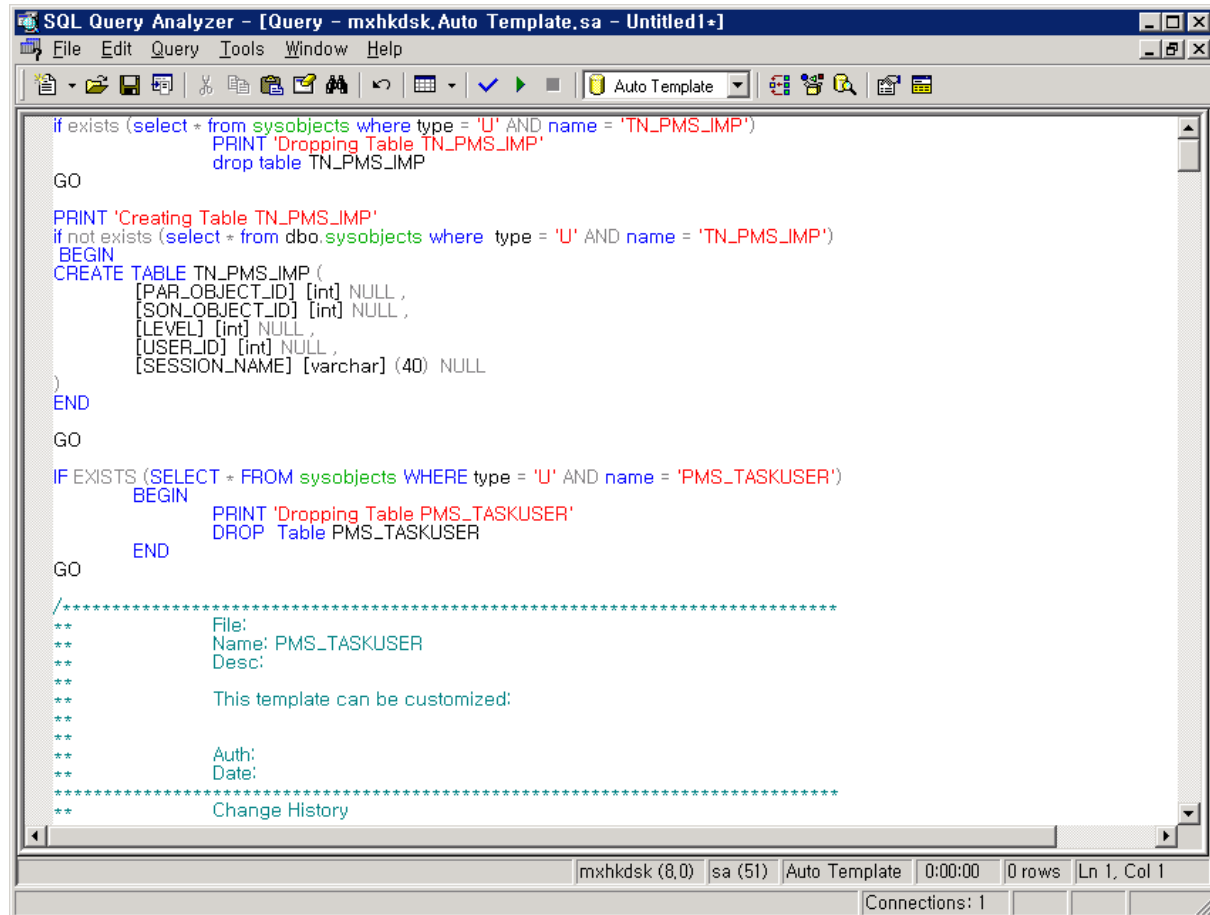
Add values 1 to 10.



4. SQL Scripts

Run ScriptAll.sql to make tables and stored procedures. As SQL user SMARTTEAM, run this procedure in SQL Query Analyzer

Please run it in MS SQL Query Analyzer **on target database** to create store procedure/functions.



```

SQL Query Analyzer - [Query - mxhkdsk.Auto Template.sa - Untitled1-]
File Edit Query Tools Window Help
Auto Template

if exists (select * from sysobjects where type = 'U' AND name = 'TN_PMS_IMP')
    PRINT 'Dropping Table TN_PMS_IMP'
drop table TN_PMS_IMP

GO

PRINT 'Creating Table TN_PMS_IMP'
if not exists (select * from dbo.sysobjects where type = 'U' AND name = 'TN_PMS_IMP')
    BEGIN
    CREATE TABLE TN_PMS_IMP (
        [PAR_OBJECT_ID] [int] NULL ,
        [SON_OBJECT_ID] [int] NULL ,
        [LEVEL] [int] NULL ,
        [USER_ID] [int] NULL ,
        [SESSION_NAME] [varchar] (40) NULL
    )
    END
GO

IF EXISTS (SELECT * FROM sysobjects WHERE type = 'U' AND name = 'PMS_TASKUSER')
    BEGIN
        PRINT 'Dropping Table PMS_TASKUSER'
        DROP Table PMS_TASKUSER
    END
GO

/*****
**      File:
**      Name: PMS_TASKUSER
**      Desc:
**
**      This template can be customized:
**
**      Auth:
**      Date:
**      *****/
**      Change History

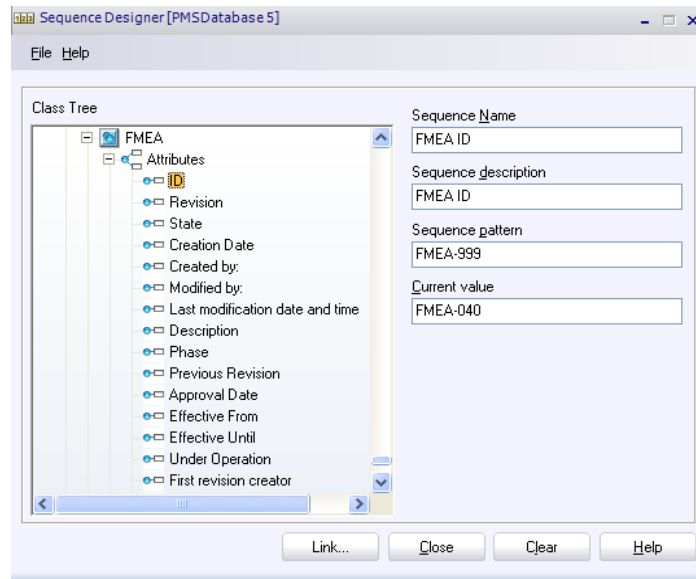
```

mxhkdsk (8,0) sa (51) Auto Template 0:00:00 0 rows Ln 1, Col 1
Connections: 1

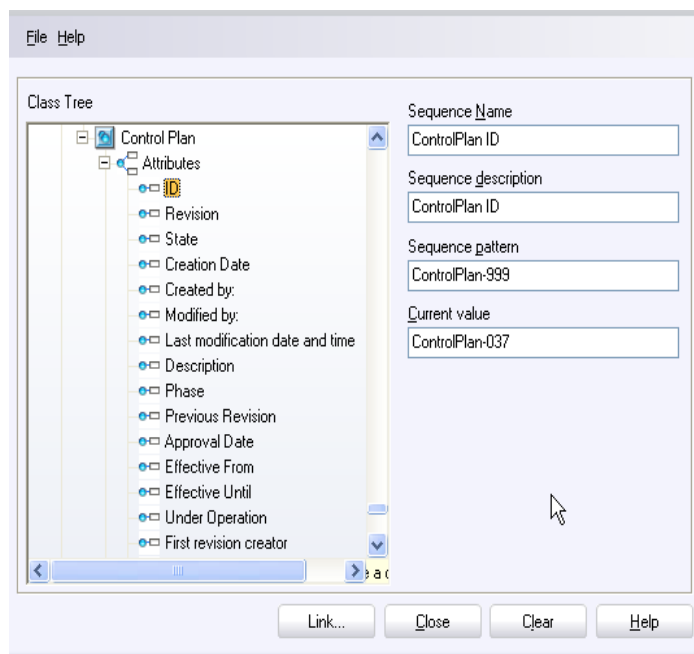
5. Sequence Designer

Add Sequence for FMEA, Control Plan, Master and Gage classes same as those Sequence name in Ds.Bpc.APQP.config.xml file.

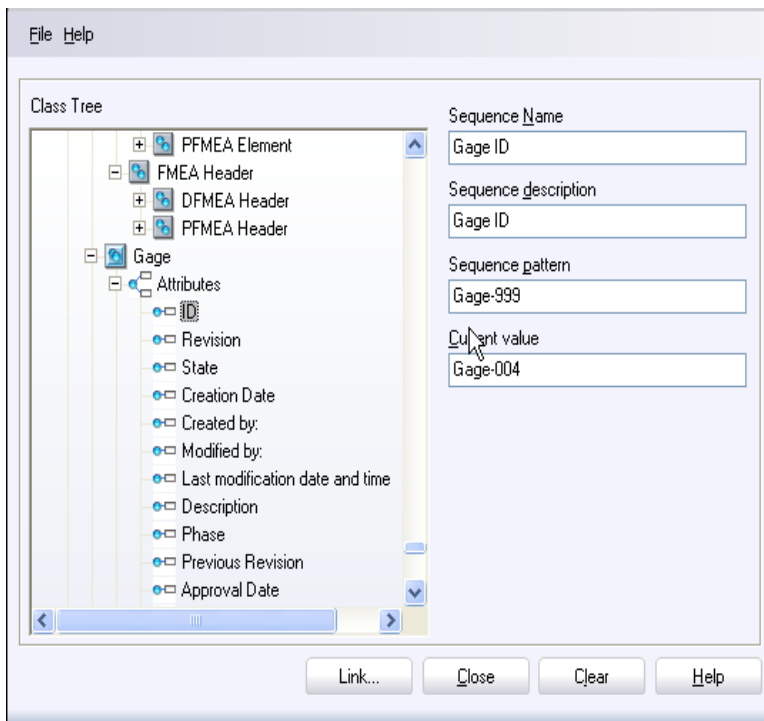
1. Launch SMARTEAM Sequence Designer from admin console..
2. Add sequence name "FMEA ID" for ID attribute of FMEA class



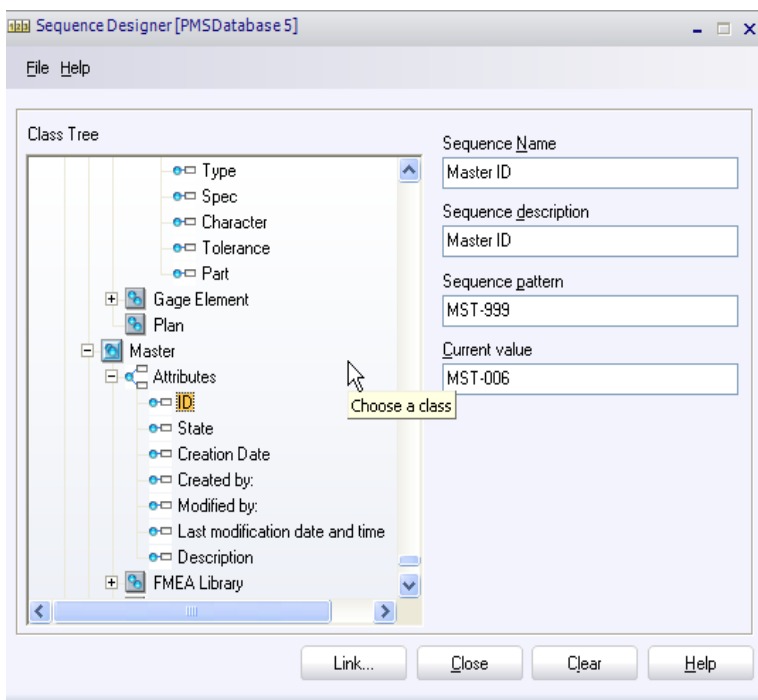
3. Add sequence name "ControlPlan ID" for Control Plan ID attribute.



4. Add sequence name “Gage ID” for Gage ID attribute.



5. Add sequence name “Master ID” for Master ID attribute.

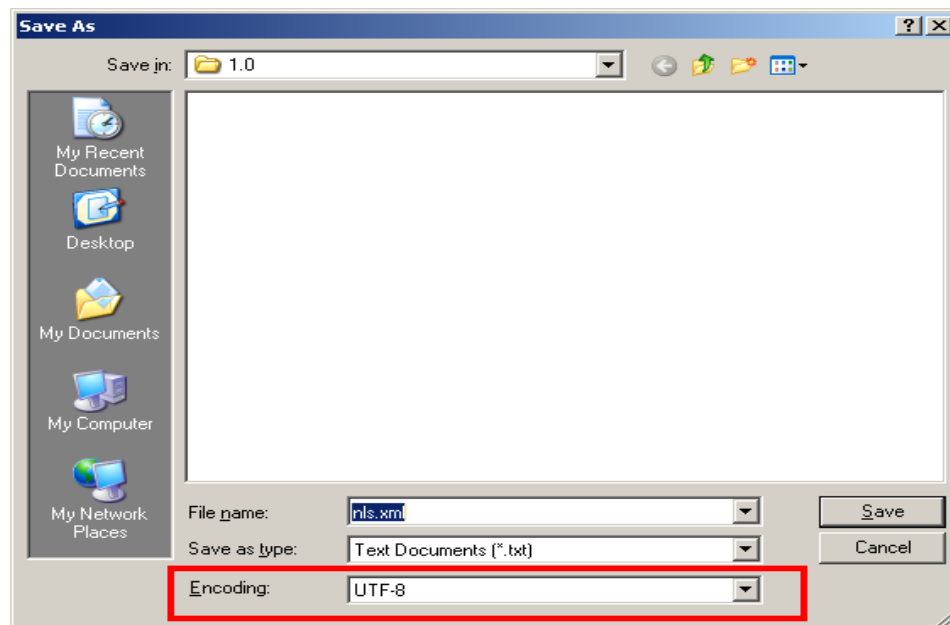


6. NLS Settings

Put your English NLS files into selected language's NLS directory:

- <SmarTeam Directory>\NLS\<language code>\Std\Controls\
Ds.Bpc.NLS.Controls.APQP\1.0\nls.xml

Please edit the nls.xml by notepad, and make sure the encoding is “**UTF-8**” if you use double byte language like “zh-tw”.



Please do “**IISRESET**” if you modify the content of NLS.xml