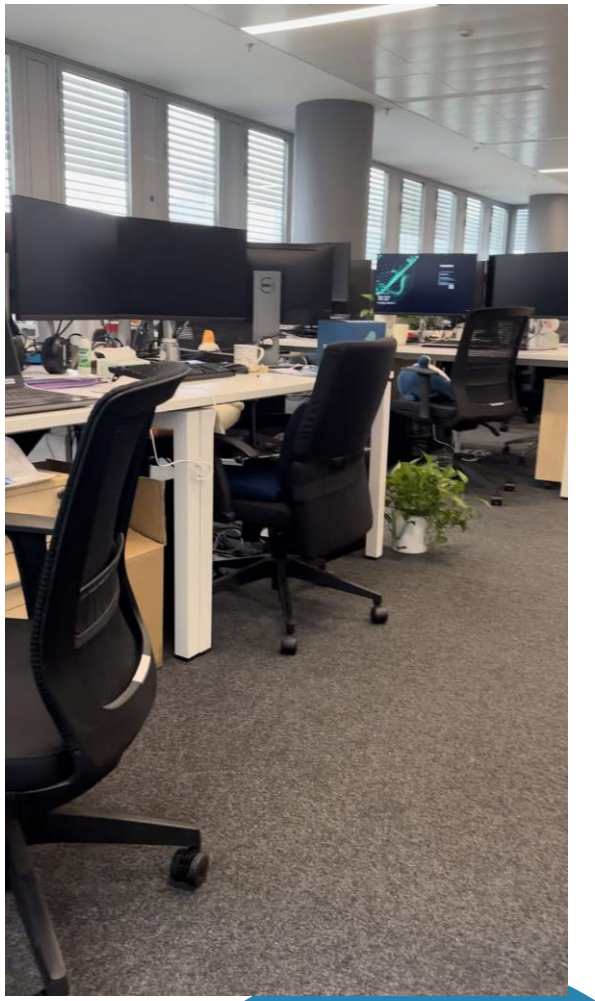
PART 1

公司及项目简介

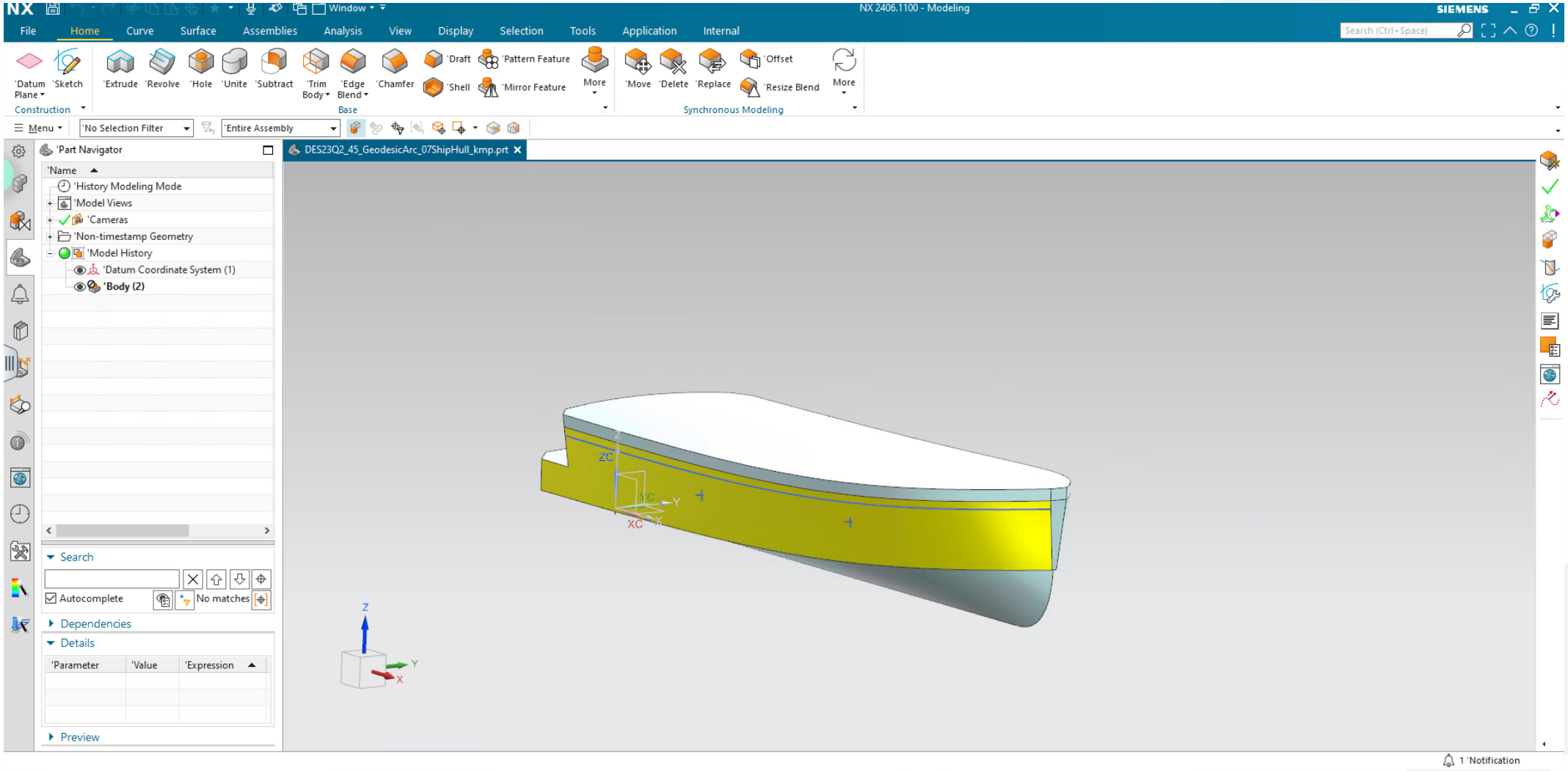
西门子（中国）有限公司上海分公司

公司外貌

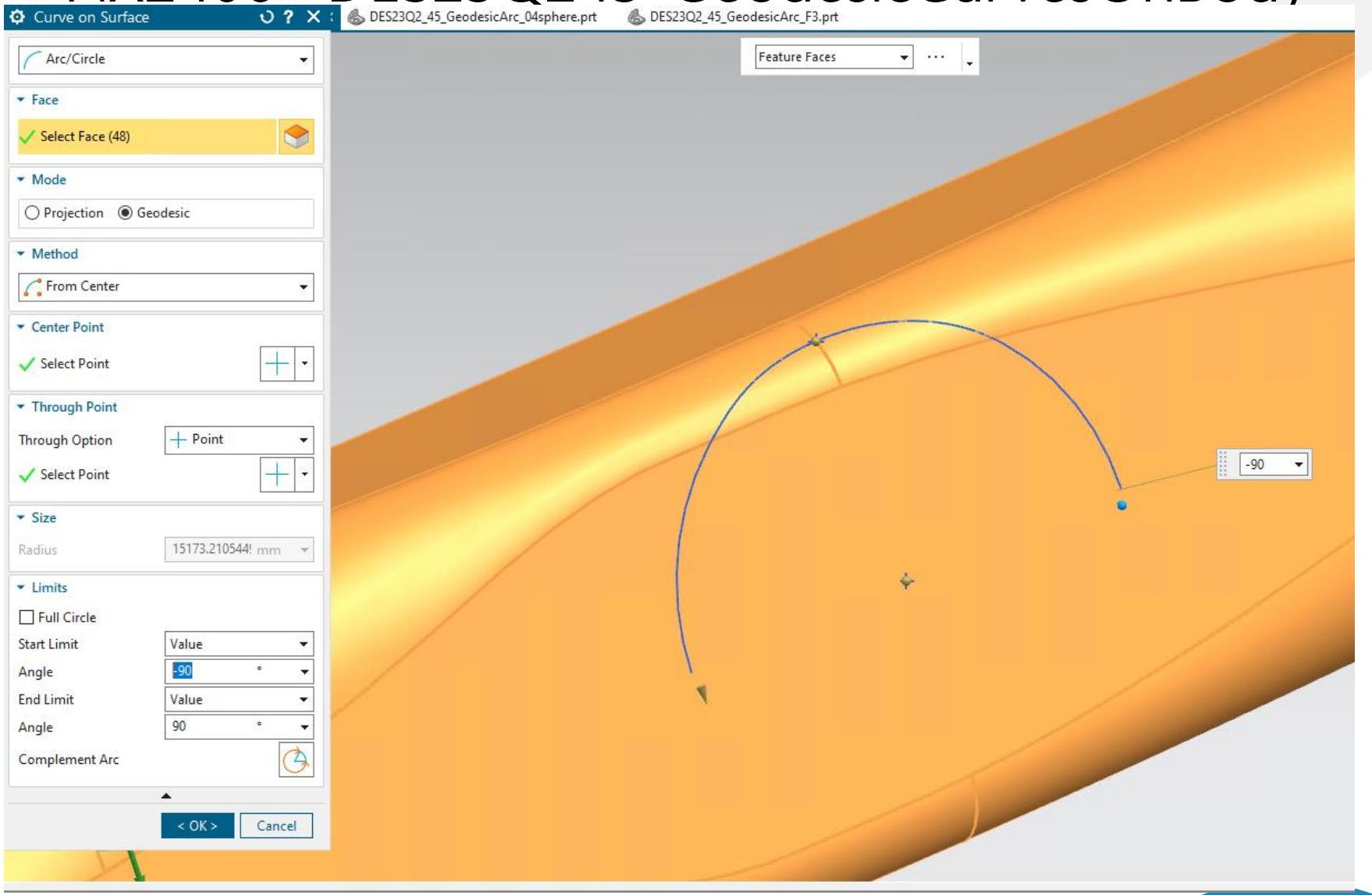
工作环境



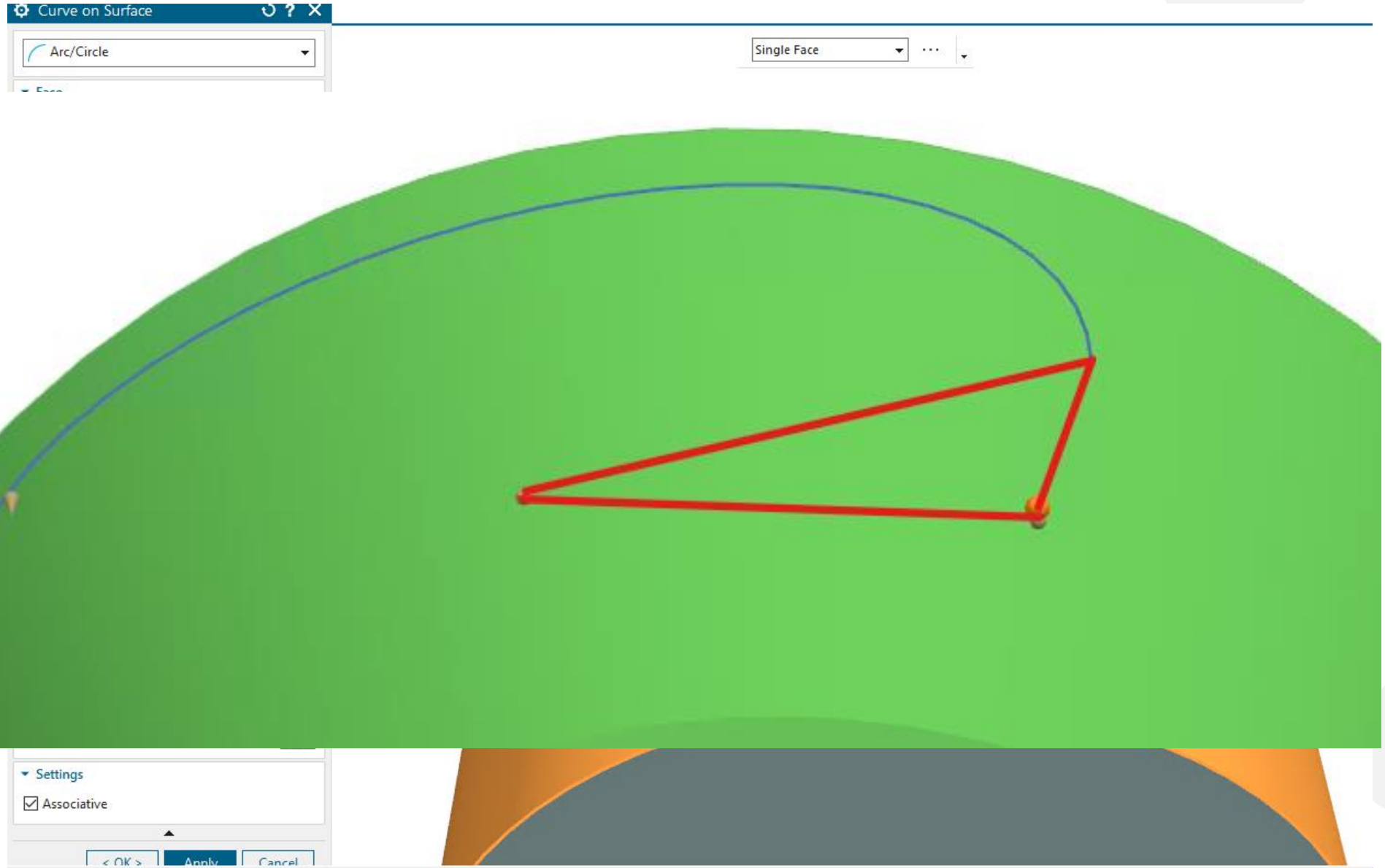
UG NX软件


NX
Window
NX 2406.1100 - Modeling
SIEMENS
File
Home
Curve
Surface
Assemblies
Analysis
View
Display
Selection
Tools
Application
Internal
Search (Ctrl+Space)
Datum Plane
Sketch
Extrude
Revolve
Hole
Unite
Subtract
Trim Body
Edge Blend
Chamfer
Draft
Shell
Pattern Feature
Mirror Feature
More
Construction
Base
Move
Delete
Replace
Offset
Resize Blend
More
Synchronous Modeling
Menu
No Selection Filter
Entire Assembly
Part Navigator
Name
History Modeling Mode
Model Views
Cameras
Non-timestamp Geometry
Model History
Datum Coordinate System (1)
Body (2)
DES23Q2_45_GeodesicArc_07ShipHull_kmp.prt
Search
Autocomplete
No matches
Dependencies
Details
Parameter
Value
Expression
Preview
1 Notification

NX2406 DES23Q245 GeodesicCurvesOnBody



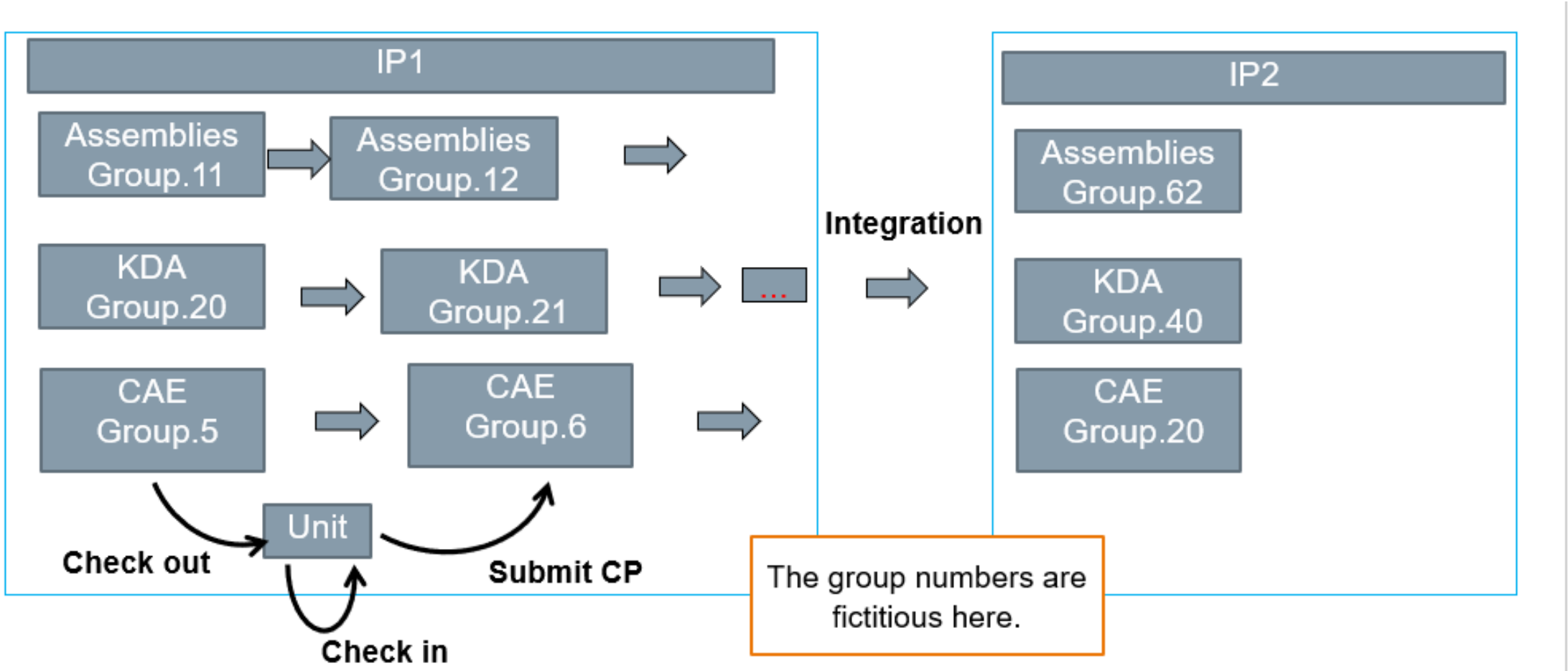
NX2406　DES23Q245_GeodesicCurvesOnBody



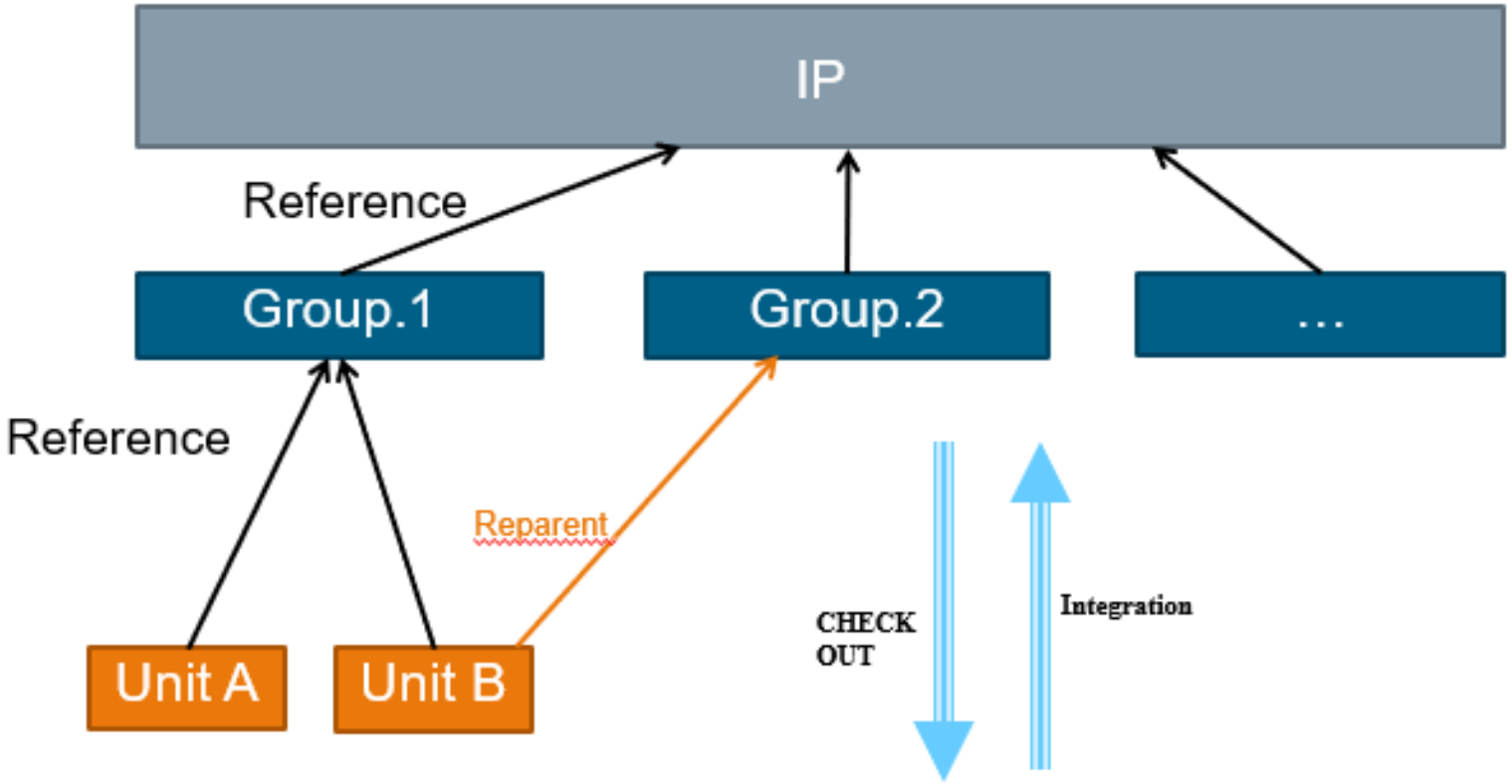
PART 2

开发模式介绍

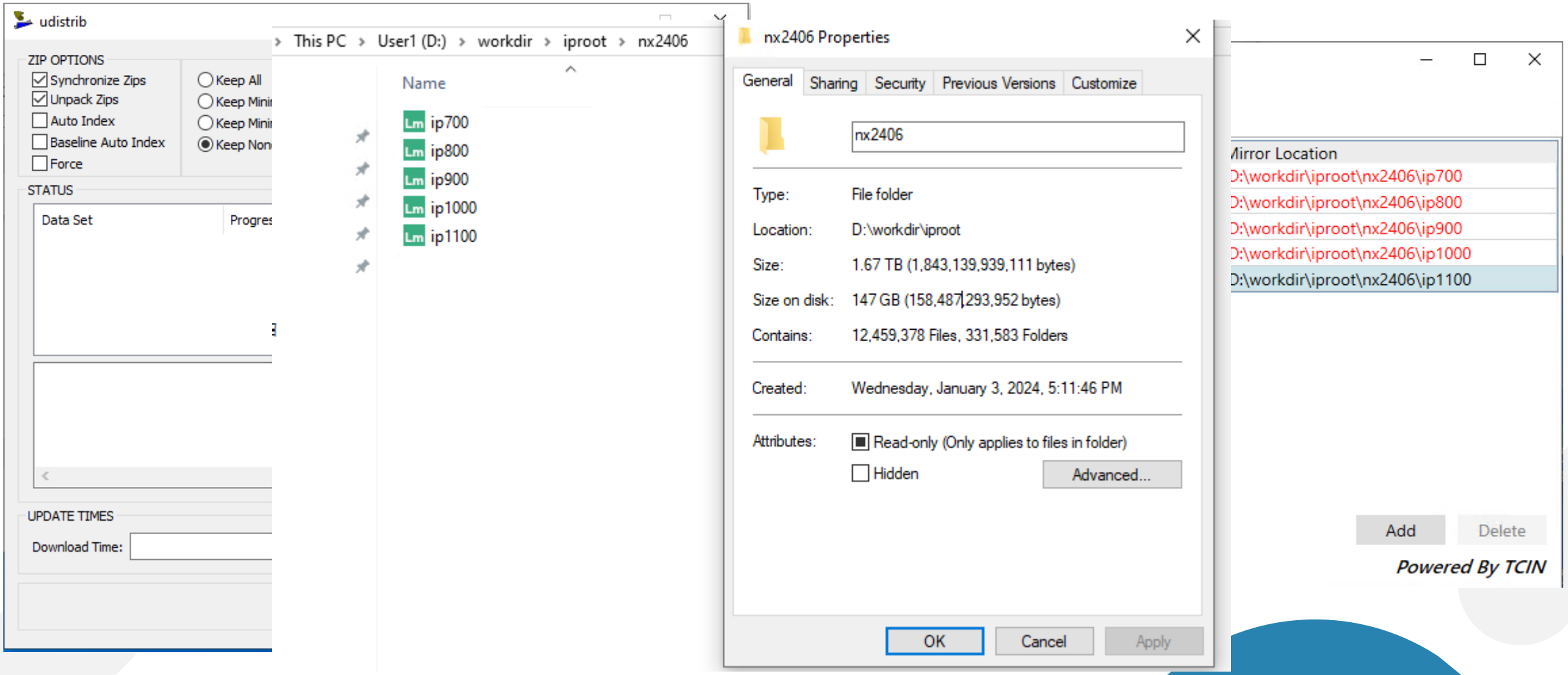
代码版本控制


IP1
Assemblies Group.11
Assemblies Group.12
KDA Group.20
KDA Group.21
...
CAE Group.5
CAE Group.6
Unit
Check out
Submit CP
Check in
Integration
IP2
Assemblies Group.62
KDA Group.40
CAE Group.20
The group numbers are fictitious here.

代码版本控制


IP
Reference
Group.1
Group.2
...
Reference
Reparent
Unit A
Unit B
CHECK
OUT
Integration

源代码下载

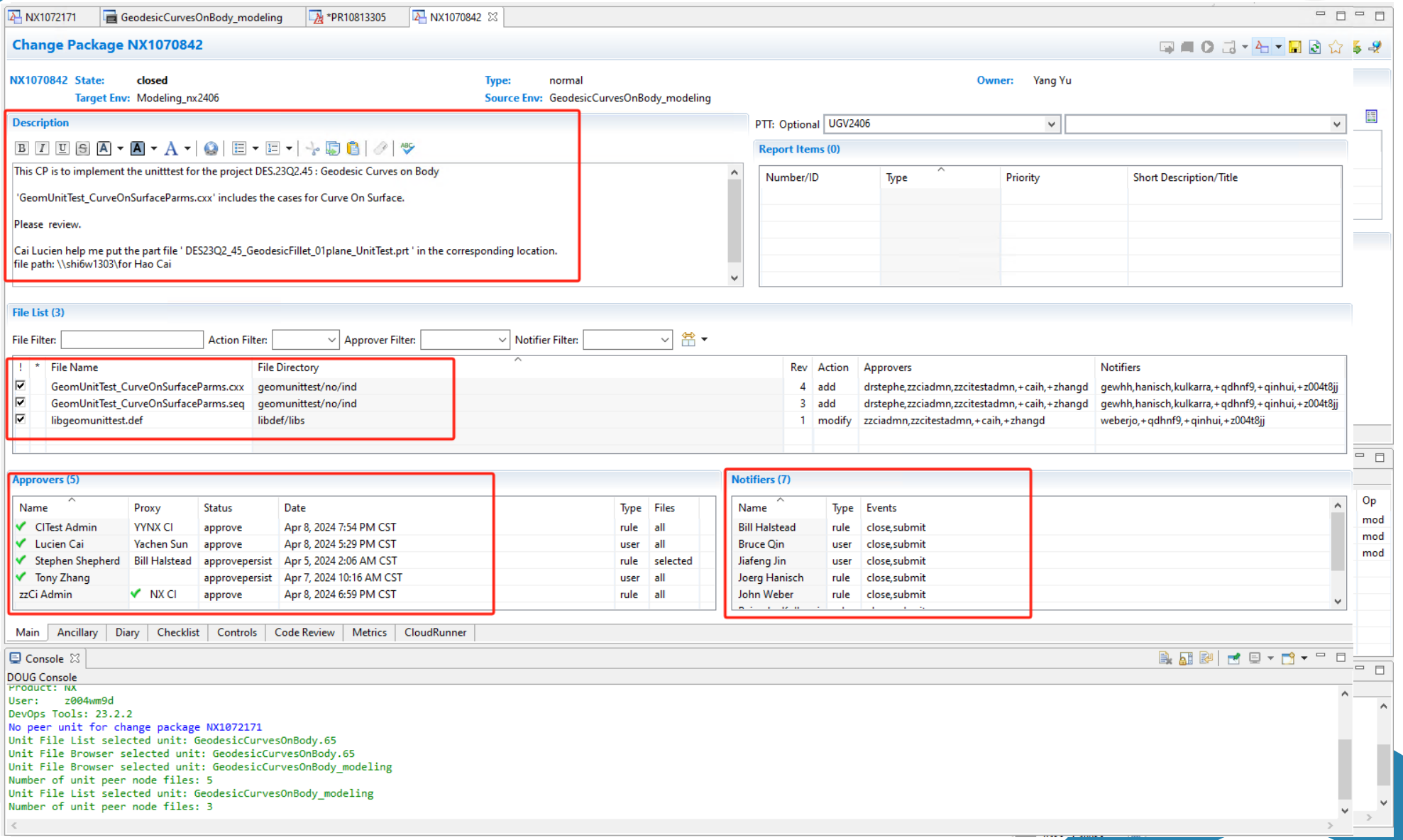

udistrib
ZIP OPTIONS
Synchronize Zips
Unpack Zips
Auto Index
Baseline Auto Index
Force
Keep All
STATUS
Data Set
UPDATE TIMES
Download Time:
This PC › User1 (D:) › workdir › iproot › nx2406
Name
ip700
ip800
ip900
ip1000
ip1100
nx2406 Properties
General
Sharing
Security
Previous Versions
Customize
nx2406
Type: File folder
Location: D:\workdir\iproot
Size: 1.67 TB (1,843,139,939,111 bytes)
Size on disk: 147 GB (158,487,293,952 bytes)
Contains: 12,459,378 Files, 331,583 Folders
Created: Wednesday, January 3, 2024, 5:11:46 PM
Attributes:
Read-only (Only applies to files in folder)
Hidden
Advanced...
OK
Cancel
Apply
Mirror Location
D:\workdir\iproot\nx2406\ip700
D:\workdir\iproot\nx2406\ip800
D:\workdir\iproot\nx2406\ip900
D:\workdir\iproot\nx2406\ip1000
D:\workdir\iproot\nx2406\ip1100
Add
Delete
Powered By TCIN

Unit使用

DEV模式代码的check in/out

UDU工具使用

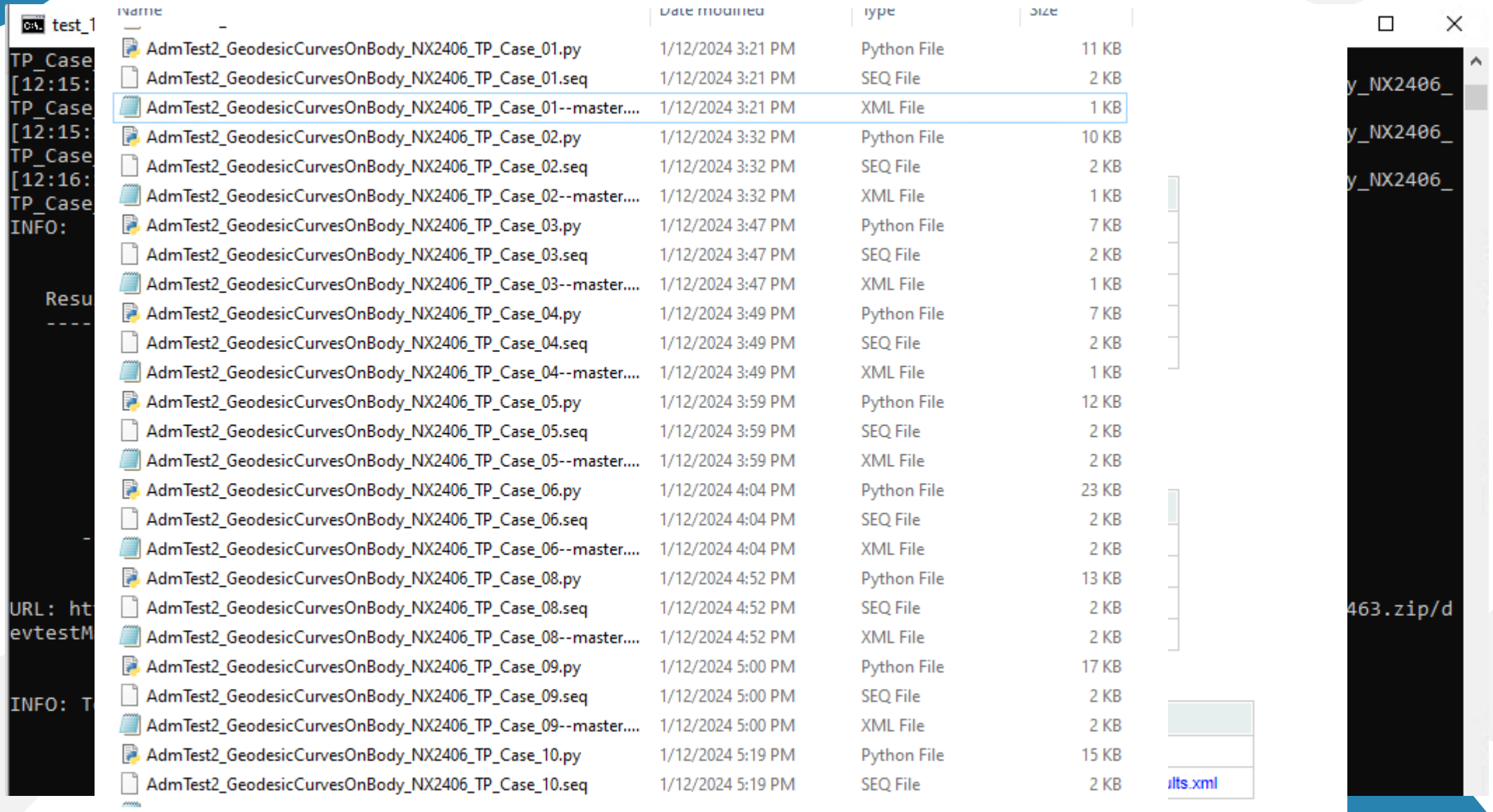
PR和CP


NX1072171
GeodesicCurvesOnBody_modeling
*PR10813305
NX1070842
Change Package NX1070842
NX1070842 State: closed
Type: normal
Owner: Yang Yu
Target Env: Modeling_nx2406
Source Env: GeodesicCurvesOnBody_modeling
Description
This CP is to implement the unitttest for the project DES.23Q2.45 : Geodesic Curves on Body
'GeomUnitTest_CurveOnSurfaceParms.cxx' includes the cases for Curve On Surface.
Please review.
Cai Lucien help me put the part file ' DES23Q2_45_GeodesicFillet_01plane_UnitTest.prt ' in the corresponding location.
file path: \\shi6w1303\for Hao Cai
PTT: Optional UGV2406
Report Items (0)
Number/ID
Type
Priority
Short Description/Title
File List (3)
File Filter:
Action Filter:
Approver Filter:
Notifier Filter:
File Name
File Directory
Rev
Action
Approvers
Notifiers
GeomUnitTest_CurveOnSurfaceParms.cxx
geomunittest/no/ind
4
add
drstephe,zzciadmn,zzcitestadmn,+caih,+zhangd
gewhh,hanisch,kulkarra,+qdhnf9,+qinhui,+z004t8jj
GeomUnitTest_CurveOnSurfaceParms.seq
geomunittest/no/ind
3
add
drstephe,zzciadmn,zzcitestadmn,+caih,+zhangd
gewhh,hanisch,kulkarra,+qdhnf9,+qinhui,+z004t8jj
libgeomunittest.def
libdef/libs
1
modify
zzciadmn,zzcitestadmn,+caih,+zhangd
weberjo,+qdhnf9,+qinhui,+z004t8jj
Approvers (5)
Name
Proxy
Status
Date
Type
Files
CITest Admin
YYNX CI
approve
Apr 8, 2024 7:54 PM CST
rule
all
Lucien Cai
Yachen Sun
approve
Apr 8, 2024 5:29 PM CST
user
all
Stephen Shepherd
Bill Halstead
approvepersist
Apr 5, 2024 2:06 AM CST
rule
selected
Tony Zhang
approvepersist
Apr 7, 2024 10:16 AM CST
user
all
zzCi Admin
NX CI
approve
Apr 8, 2024 6:59 PM CST
rule
all
Notifiers (7)
Name
Type
Events
Bill Halstead
rule
close,submit
Bruce Qin
user
close,submit
Jiafeng Jin
user
close,submit
Joerg Hanisch
rule
close,submit
John Weber
rule
close,submit
Op
mod
mod
mod
Main
Ancillary
Diary
Checklist
Controls
Code Review
Metrics
CloudRunner
Console
DOUG Console
Product: NX
User: z004wm9d
DevOps Tools: 23.2.2
No peer unit for change package NX1072171
Unit File List selected unit: GeodesicCurvesOnBody.65
Unit File Browser selected unit: GeodesicCurvesOnBody.65
Unit File Browser selected unit: GeodesicCurvesOnBody_modeling
Number of unit peer node files: 5
Unit File List selected unit: GeodesicCurvesOnBody_modeling
Number of unit peer node files: 3

PART 3

我的个人产出

测试工作的产出内容


test_1
TP_Case
[12:15:
TP_Case
[12:15:
TP_Case
[12:16:
TP_Case
INFO:
Resu
URL: ht
evtestM
INFO: T
Name
Date modified
Type
Size
AdmTest2_GeodesicCurvesOnBody_NX2406_TP_Case_01.py 1/12/2024 3:21 PM Python File 11 KB
AdmTest2_GeodesicCurvesOnBody_NX2406_TP_Case_01.seq 1/12/2024 3:21 PM SEQ File 2 KB
AdmTest2_GeodesicCurvesOnBody_NX2406_TP_Case_01--master.... 1/12/2024 3:21 PM XML File 1 KB
AdmTest2_GeodesicCurvesOnBody_NX2406_TP_Case_02.py 1/12/2024 3:32 PM Python File 10 KB
AdmTest2_GeodesicCurvesOnBody_NX2406_TP_Case_02.seq 1/12/2024 3:32 PM SEQ File 2 KB
AdmTest2_GeodesicCurvesOnBody_NX2406_TP_Case_02--master.... 1/12/2024 3:32 PM XML File 1 KB
AdmTest2_GeodesicCurvesOnBody_NX2406_TP_Case_03.py 1/12/2024 3:47 PM Python File 7 KB
AdmTest2_GeodesicCurvesOnBody_NX2406_TP_Case_03.seq 1/12/2024 3:47 PM SEQ File 2 KB
AdmTest2_GeodesicCurvesOnBody_NX2406_TP_Case_03--master.... 1/12/2024 3:47 PM XML File 1 KB
AdmTest2_GeodesicCurvesOnBody_NX2406_TP_Case_04.py 1/12/2024 3:49 PM Python File 7 KB
AdmTest2_GeodesicCurvesOnBody_NX2406_TP_Case_04.seq 1/12/2024 3:49 PM SEQ File 2 KB
AdmTest2_GeodesicCurvesOnBody_NX2406_TP_Case_04--master.... 1/12/2024 3:49 PM XML File 1 KB
AdmTest2_GeodesicCurvesOnBody_NX2406_TP_Case_05.py 1/12/2024 3:59 PM Python File 12 KB
AdmTest2_GeodesicCurvesOnBody_NX2406_TP_Case_05.seq 1/12/2024 3:59 PM SEQ File 2 KB
AdmTest2_GeodesicCurvesOnBody_NX2406_TP_Case_05--master.... 1/12/2024 3:59 PM XML File 2 KB
AdmTest2_GeodesicCurvesOnBody_NX2406_TP_Case_06.py 1/12/2024 4:04 PM Python File 23 KB
AdmTest2_GeodesicCurvesOnBody_NX2406_TP_Case_06.seq 1/12/2024 4:04 PM SEQ File 2 KB
AdmTest2_GeodesicCurvesOnBody_NX2406_TP_Case_06--master.... 1/12/2024 4:04 PM XML File 2 KB
AdmTest2_GeodesicCurvesOnBody_NX2406_TP_Case_08.py 1/12/2024 4:52 PM Python File 13 KB
AdmTest2_GeodesicCurvesOnBody_NX2406_TP_Case_08.seq 1/12/2024 4:52 PM SEQ File 2 KB
AdmTest2_GeodesicCurvesOnBody_NX2406_TP_Case_08--master.... 1/12/2024 4:52 PM XML File 2 KB
AdmTest2_GeodesicCurvesOnBody_NX2406_TP_Case_09.py 1/12/2024 5:00 PM Python File 17 KB
AdmTest2_GeodesicCurvesOnBody_NX2406_TP_Case_09.seq 1/12/2024 5:00 PM SEQ File 2 KB
AdmTest2_GeodesicCurvesOnBody_NX2406_TP_Case_09--master.... 1/12/2024 5:00 PM XML File 2 KB
AdmTest2_GeodesicCurvesOnBody_NX2406_TP_Case_10.py 1/12/2024 5:19 PM Python File 15 KB
AdmTest2_GeodesicCurvesOnBody_NX2406_TP_Case_10.seq 1/12/2024 5:19 PM SEQ File 2 KB
lts.xml
y_NX2406_
y_NX2406_
y_NX2406_
463.zip/d

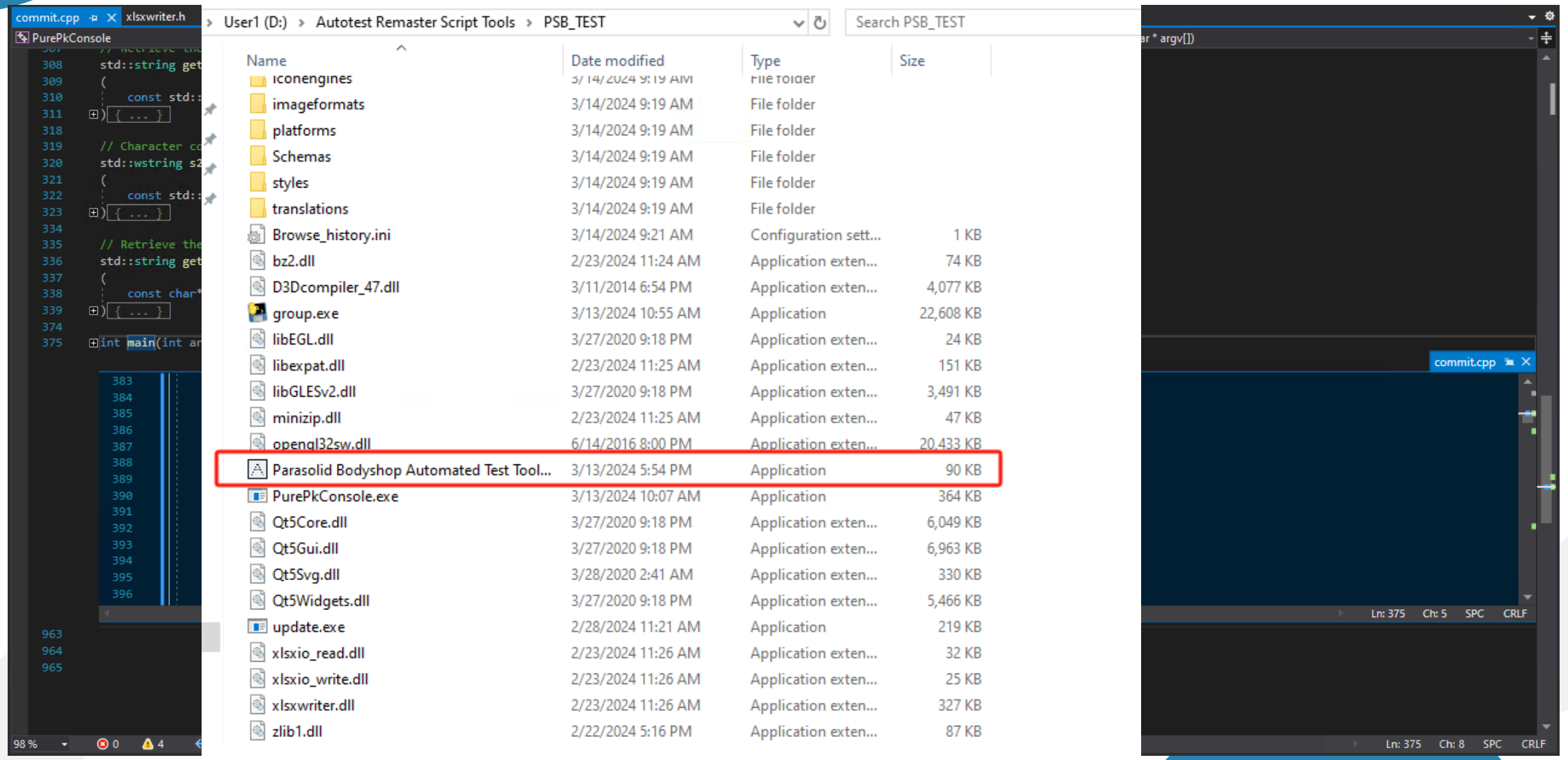
测试工作的产出内容

GeomUnitTest_Curv...nSurfaceParms.seq | GeomUnitTest_Curv...nSurfaceParms.cxx

GeodesicCurvesOnBody_modeling | Limit_AtPoint | Run()

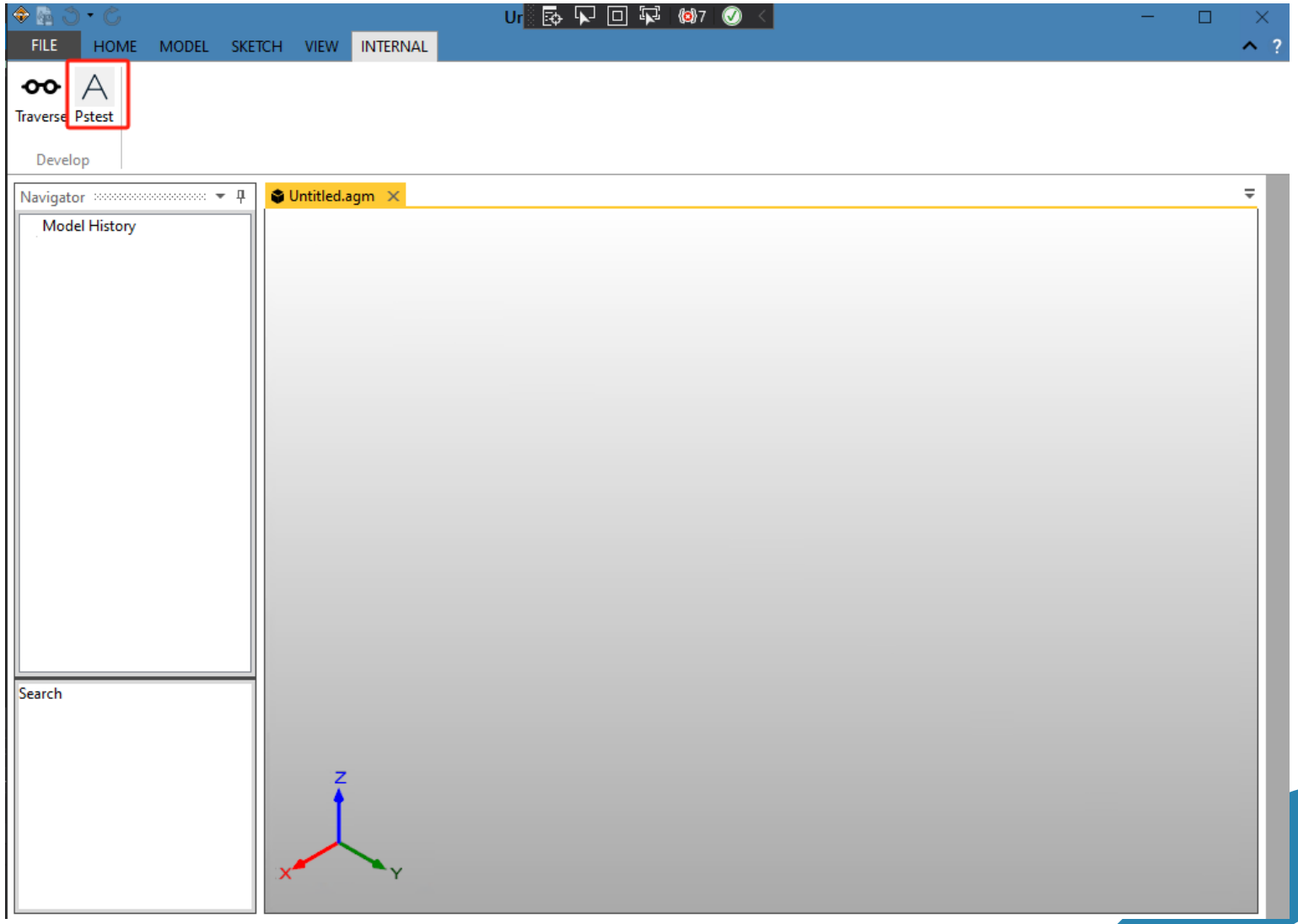
```
121  UGS::GeomUnitTest::CurveOnSurfaceParms::CurveOnSurfaceParms() : UGS::TestUtils::TestSuite("no") { ... }
128
129    //BEGIN EDITABLE SECTION
130    GEOMUNITTEST_DEFINE_TEST_SUITE_CURVEONSURFACEPARMS(Projection_FromCenter)
131  void Projection_FromCenter::Run() { ... }
232
233    GEOMUNITTEST_DEFINE_TEST_SUITE_CURVEONSURFACEPARMS(Projection_ThreePoints)
234  void Projection_ThreePoints::Run() { ... }
348
349    GEOMUNITTEST_DEFINE_TEST_SUITE_CURVEONSURFACEPARMS(Geodesic_FromCenter)
350  void Geodesic_FromCenter::Run() { ... }
457
458    GEOMUNITTEST_DEFINE_TEST_SUITE_CURVEONSURFACEPARMS(Limit_AtPoint)
459  void Limit_AtPoint::Run()
460    {
461        NXOpen::Session* theSession = NXOpen::Session::GetSession();
462
463        NXOpen::Part* workPart(theSession->Parts()->Work());
464
465        NXOpen::Features::CurveOnSurface* nullNXOpen_Features_CurveOnSurface(NULL);
466        NXOpen::Features::CurveOnSurfaceBuilder* curveOnSurfaceBuilder1;
467        curveOnSurfaceBuilder1 = workPart->Features()->CreateCurveOnSurfaceBuilder(nullNXOpen_Features_CurveOnSurface);
468
469        curveOnSurfaceBuilder1->LineLimits()->StartLimit()->Distance()->SetFormula("0");
470
471        curveOnSurfaceBuilder1->ArcLimits()->StartLimit()->Distance()->SetFormula("0");
472
473        curveOnSurfaceBuilder1->CurveFitData()->SetTolerance(0.01);
474
475        curveOnSurfaceBuilder1->CurveFitData()->SetAngleTolerance(0.5);
476
477        curveOnSurfaceBuilder1->ArcLimits()->EndLimit()->SetLimitOption(NXOpen::GeometricUtilities::CurveExtendData::LimitOptionsValue);
478
479        curveOnSurfaceBuilder1->SetCurveType(NXOpen::Features::CurveOnSurfaceBuilder::CurveTypeEnumArcCircle);
480
481        NXOpen::SelectionIntentRuleOptions* selectionIntentRuleOptions1;
482        selectionIntentRuleOptions1 = workPart->ScRuleFactory()->CreateRuleOptions();
483
484        selectionIntentRuleOptions1->SetSelectedFromInactive(false);
485
486        NXOpen::Features::Brep* brep1(dynamic_cast<NXOpen::Features::Brep*>(workPart->Features()->FindObject("UNPARAMETERIZED_FEATURE(1)")));
487        NXOpen::Face* face1(dynamic_cast<NXOpen::Face*>(brep1->FindObject("FACE 1 {(50,50,0) UNPARAMETERIZED_FEATURE(1)}")));
```

开发工作的产出内容


commit.cpp
xlsxwriter.h
PurePkConsole
User1 (D:) › Autotest Remaster Script Tools › PSB_TEST
Search PSB_TEST
Name
Date modified
Type
Size
imageformats 3/14/2024 9:19 AM File folder
platforms 3/14/2024 9:19 AM File folder
Schemas 3/14/2024 9:19 AM File folder
styles 3/14/2024 9:19 AM File folder
translations 3/14/2024 9:19 AM File folder
Browse_history.ini 3/14/2024 9:21 AM Configuration sett... 1 KB
bz2.dll 2/23/2024 11:24 AM Application exten... 74 KB
D3Dcompiler_47.dll 3/11/2014 6:54 PM Application exten... 4,077 KB
group.exe 3/13/2024 10:55 AM Application 22,608 KB
libEGL.dll 3/27/2020 9:18 PM Application exten... 24 KB
libexpat.dll 2/23/2024 11:25 AM Application exten... 151 KB
libGLESv2.dll 3/27/2020 9:18 PM Application exten... 3,491 KB
minizip.dll 2/23/2024 11:25 AM Application exten... 47 KB
opengl32sw.dll 6/14/2016 8:00 PM Application exten... 20,433 KB
Parasolid Bodyshop Automated Test Tool... 3/13/2024 5:54 PM Application 90 KB
PurePkConsole.exe 3/13/2024 10:07 AM Application 364 KB
Qt5Core.dll 3/27/2020 9:18 PM Application exten... 6,049 KB
Qt5Gui.dll 3/27/2020 9:18 PM Application exten... 6,963 KB
Qt5Svg.dll 3/28/2020 2:41 AM Application exten... 330 KB
Qt5Widgets.dll 3/27/2020 9:18 PM Application exten... 5,466 KB
update.exe 2/28/2024 11:21 AM Application 219 KB
xlsxio_read.dll 2/23/2024 11:26 AM Application exten... 32 KB
xlsxio_write.dll 2/23/2024 11:26 AM Application exten... 25 KB
xlsxwriter.dll 2/23/2024 11:26 AM Application exten... 327 KB
zlib1.dll 2/22/2024 5:16 PM Application exten... 87 KB
commit.cpp
Ln: 375 Ch: 5 SPC CRLF
Ln: 375 Ch: 8 SPC CRLF

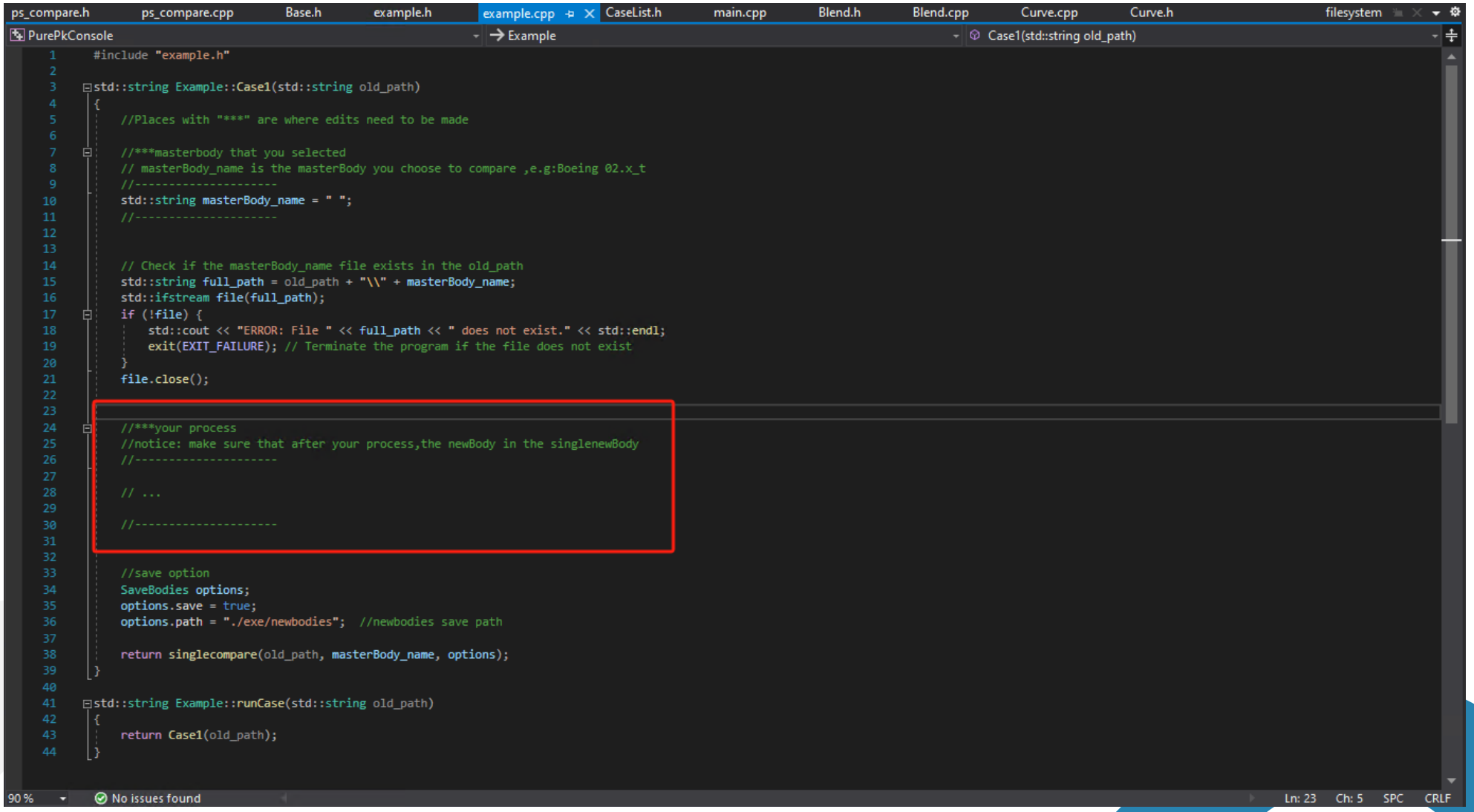
开发工作的产出内容

AGM 简单展示



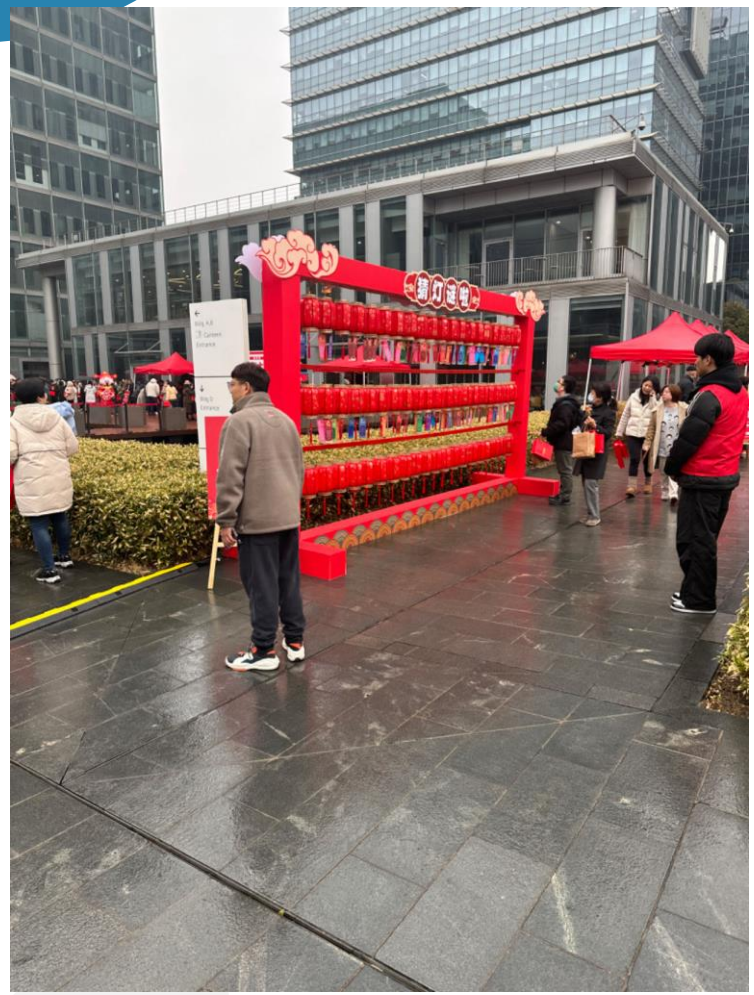
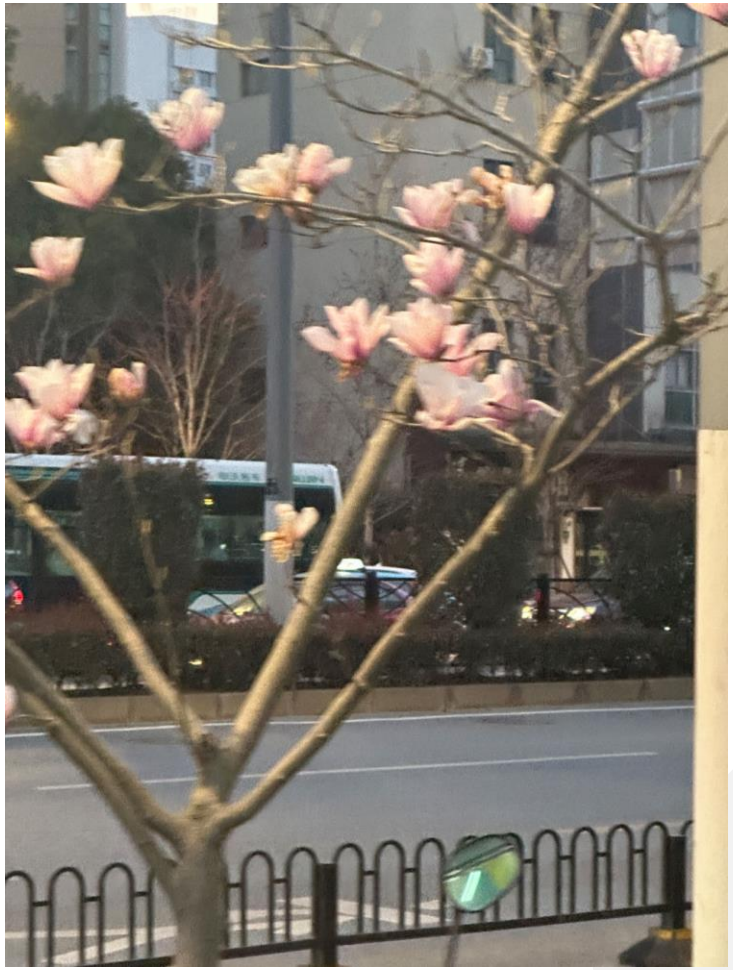
开发工作的产出内容

用户拓展自定义框架搭建



PART 4

实习心得


猜灯谜