

Class Structure

RT50 BodyShop ASM Line
Production instruction system

Modification	④	. .		Approved	Examination	Officer	Name	RT50 BodyShop ASM Line	SH – No		Layer No.	Reference	Serial	
	③	. .							Figure No.		1	–	4	–
	②	. .												
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PisServer

Class

→ Form

Fields

Methods

BackgroundWorker_ProgressChanged

BackgroundWorker1_DoWork

BtnExit_Click

dgv_dataCollectionView_MouseDown

dgv_dataCollectionView_MouseUp

dgv_dataCollectionView_Scroll

Dispose

Finalize

ImportProductionDataFile

InitializeComponent

InsertProductionRowToInstruction

LineMonitor

LoadIni

MoveFile

New

PisServer_FormClosed

PisServer_Load

ProductionRowToInstruction

PutNewFileNameToArray

TimClock_Tick

TimImport_Tick

UpdateProductionRowToInstruction

WatchFolder

Main class

clsPLCCommunicationTester

Class

→ BackgroundWorker

Fields

Properties

ErrorMessage

IsConnected

LineCode

NetworkAddress

NodeAddress

ReadAddress

UnitAddress

WriteCarryAddress

WriteProdAddress

Methods

CarryOutManagement

CheckProdInstructFlag

clsPLCCommunicationTester_DoWork

clsPLCCommunicationTester_ProgressChanged

CommunicateWithPLC

InstructionManagement

LoadIni

New

SendCarryOutComplete

SendInstructionComplete

SendNextCarryOut

SendNextInstruction

TestConnection

WriteServerStatus

This object was created when connection PLC thread is active. Each thread will have their own object.

clsAs400File

Class

Fields

Properties

As400Date

BlockSize

DataNumber

DataSetName

HeaderTitle

RecordSize

TrailTitle

Methods

CheckAndExtractAs400File

CheckDataDetailAndImport

CheckHeader

CheckProduction

CheckRecordType

CheckTrail

DataRow1SeqNoLessThanDataRow2

ExtractHeader

ExtractTrail

StringToHeaderDetail

StringToProductionDat

StringToTrailDetail

Class of data file from AS400.

clsPlcInteract

Class

Fields

Methods

ConcatByte (+ 1 overload)

FillSpacePrefix

FillSpaceSuffix

FillZeroPrefix

FillZeroSuffix

GetSubBytes (+ 1 overload)

ReadCarryOutLot

ReadCarryOutRequestDataType

ReadCarryOutRequestLine

ReadCarryOutRequestStatus

ReadCarryOutUnit

ReadModelDataRequestDataType

ReadModelDataRequestLine

ReadModelDataRequestStatus

WriteCarryOutStatus

WriteCompleteInstruction

WriteInstruction

WriteNoInstruction

WriteServerStatus

Helper class to prepare data for Read / Write data with PLC.

MySettings

NotInheritable Class

→ ApplicationSettingBase

Fields

addedHandler

addedHandlerLockObject

defaultInstance

Properties

Default

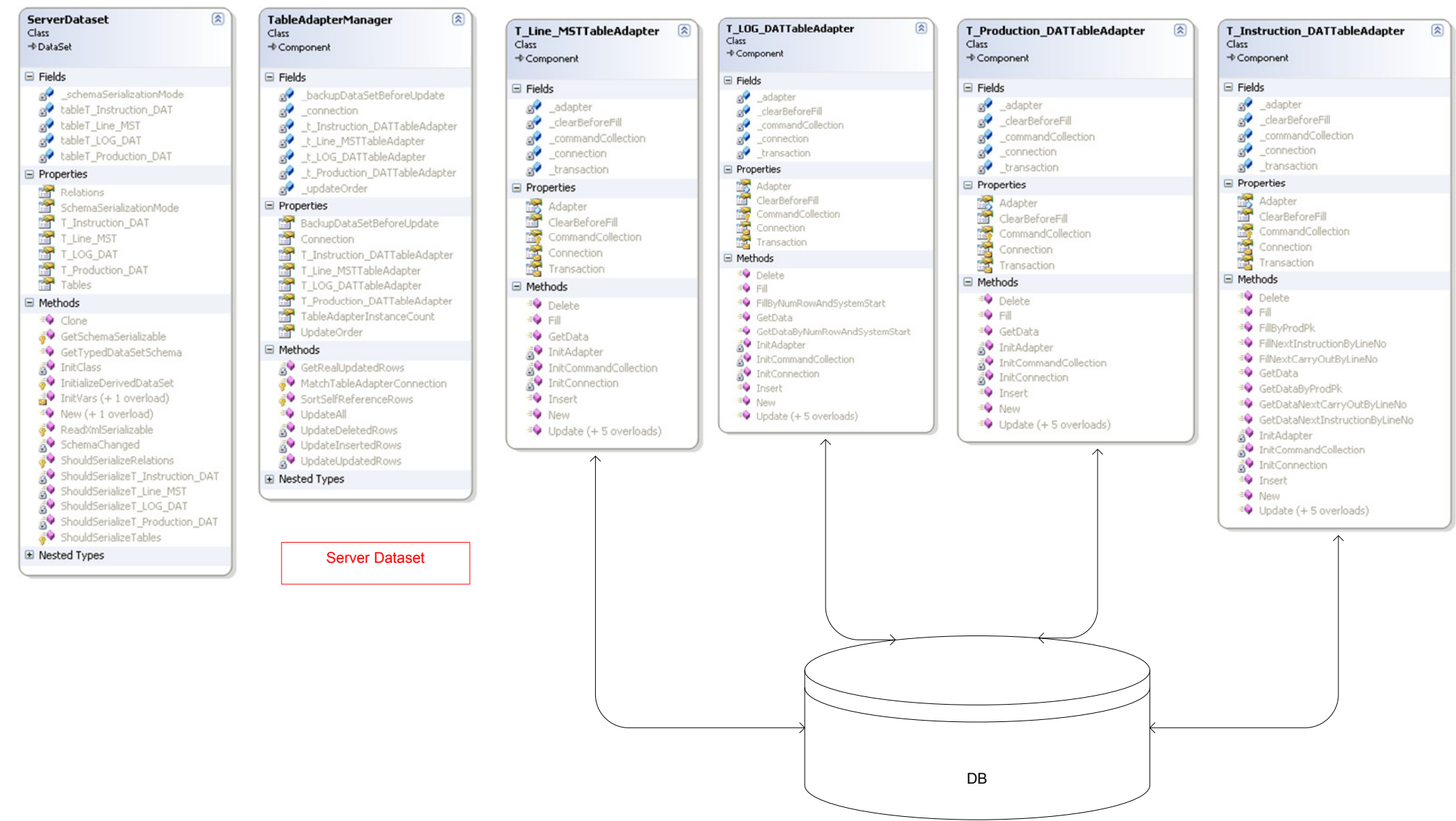
pis_developmentConnectionString

Methods

AutoSaveSettings

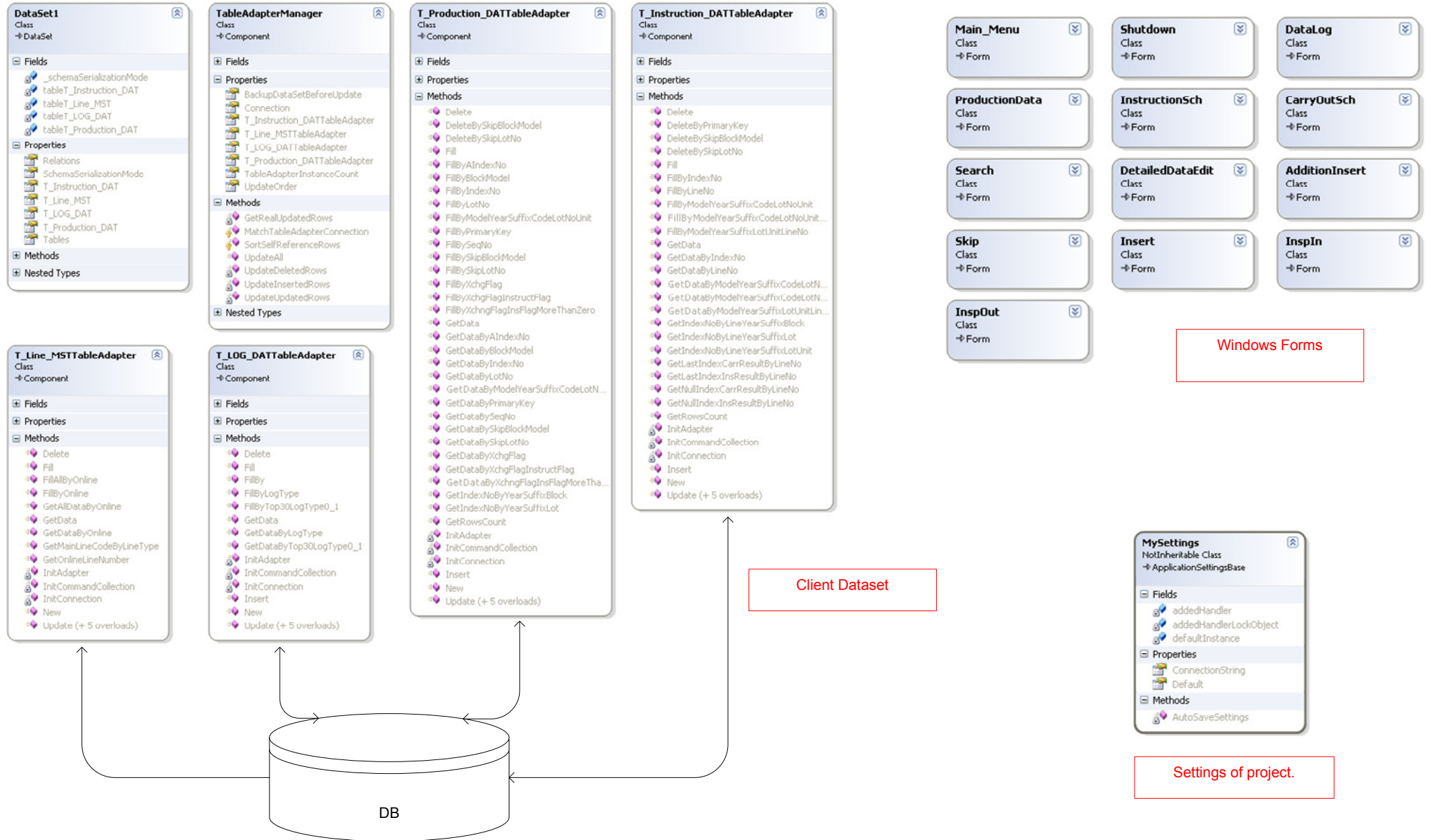
Settings of project.

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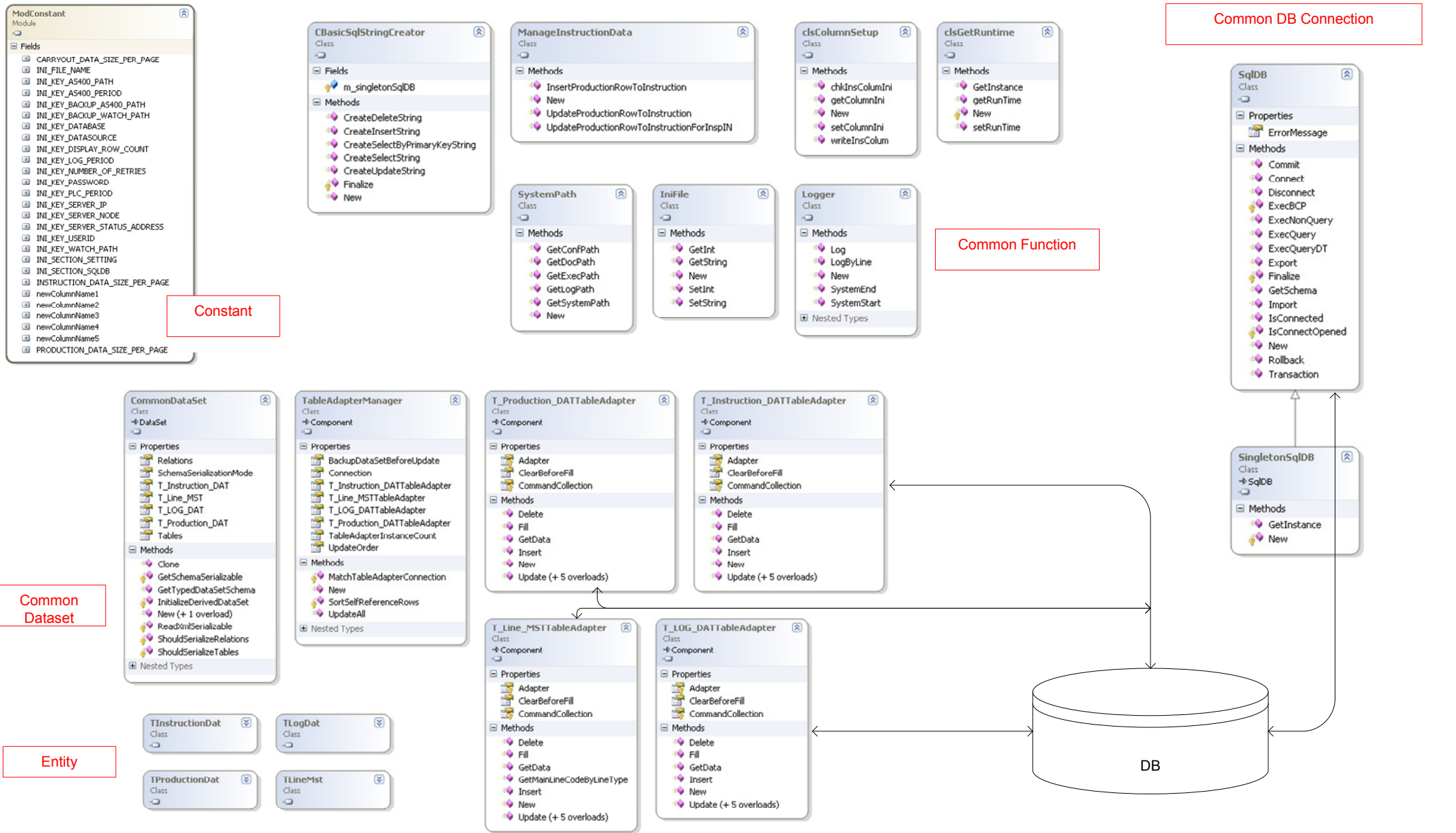
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InstructionSystem (CLIENT)



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Common



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Background Service

PIS_SERVICE

Module

Fields

dbObj

INI_APP_NAME_SETUP

INI_FILE_NAME_SETUP

INI_KEY_SCREEN

logger

Methods

deleteAS400File

deleteIns

deleteLogDat

deletePro

GetDateTimeValueForSQL

Main

Service for Flush out of date
(file, Log and data)

PIS_IMPORT

Module

Fields

AS400BackUpPath

AS400Path

bgWorker

FileNameList

FilePath

Methods

checkFile

ImportProductionDataFile

Main

MoveFile

Service for import data from
scheduler.

log_Service

Module

Methods

Main

Service for write Log to
Database.

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