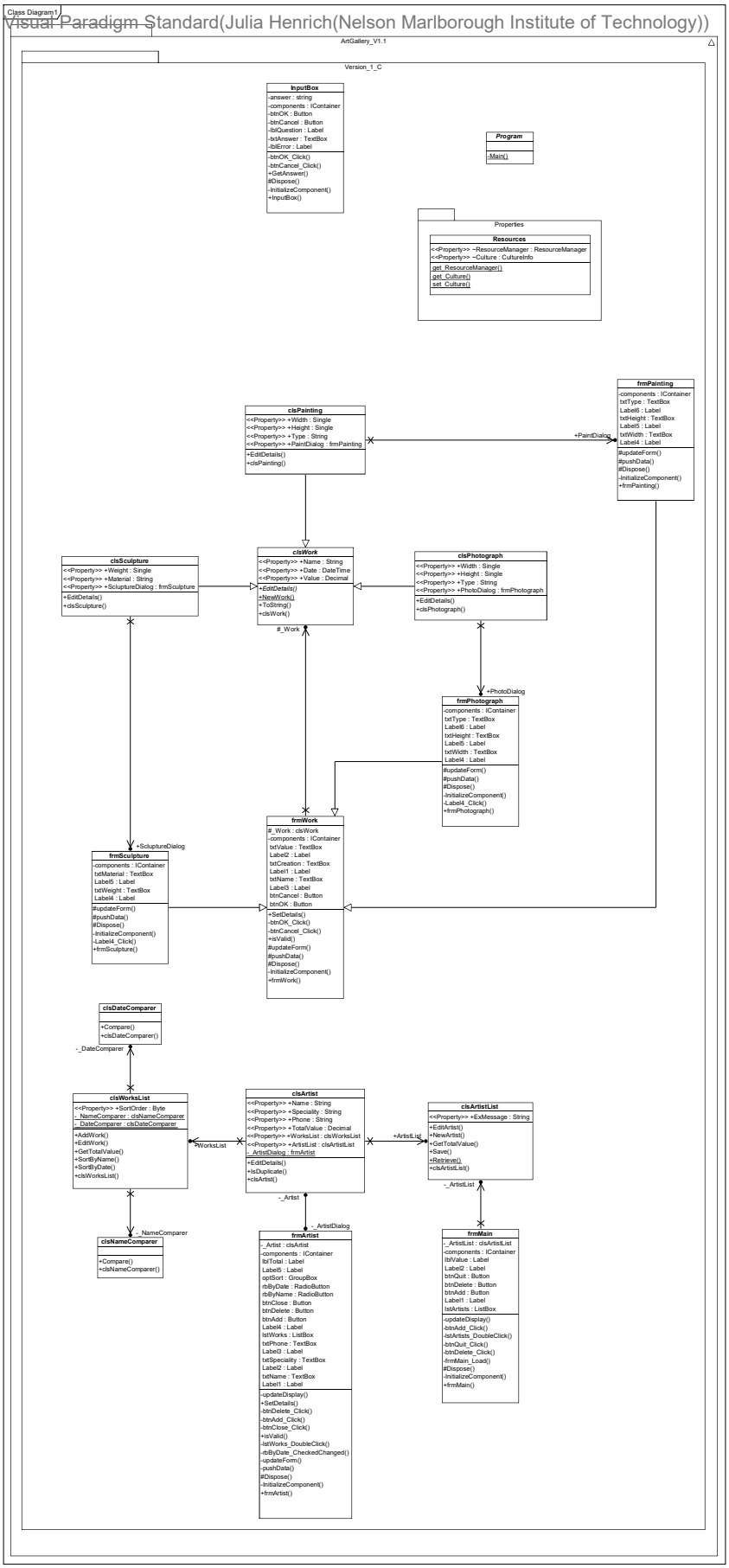
Class Diagram1
Visual Paradigm Standard(Julia Henrich(Nelson Marlborough Institute of Technology))
ArtGallery_V1.1
Version_1_C
InputBox
-answer : string
-components : IContainer
-btnOK : Button
-btnCancel : Button
-lblQuestion : Label
-txtAnswer : TextBox
-lblError : Label
-btnOK_Click()
-btnCancel_Click()
+GetAnswer()
#Dispose()
-InitializeComponent()
+InputBox()
Program
-Main()
Properties
Resources
<<Property>> -ResourceManager : ResourceManager
<<Property>> -Culture : CultureInfo
get_ResourceManager()
get_Culture()
set_Culture()
frmPainting
-components : IContainer
txtType : TextBox
Label6 : Label
txtHeight : TextBox
Label5 : Label
txtWidth : TextBox
Label4 : Label
#updateForm()
#pushData()
#Dispose()
-InitializeComponent()
+frmPainting()
+PaintDialog
clsPainting
<<Property>> +Width : Single
<<Property>> +Height : Single
<<Property>> +Type : String
<<Property>> +PaintDialog : frmPainting
+EditDetails()
+clsPainting()
clsSculpture
<<Property>> +Weight : Single
<<Property>> +Material : String
<<Property>> +SculptureDialog : frmSculpture
+EditDetails()
+clsSculpture()
clsWork
<<Property>> +Name : String
<<Property>> +Date : DateTime
<<Property>> +Value : Decimal
+EditDetails()
+NewWork()
+ToString()
+clsWork()
#_Work
clsPhotograph
<<Property>> +Width : Single
<<Property>> +Height : Single
<<Property>> +Type : String
<<Property>> +PhotoDialog : frmPhotograph
+EditDetails()
+clsPhotograph()
+PhotoDialog
frmPhotograph
-components : IContainer
txtType : TextBox
Label6 : Label
txtHeight : TextBox
Label5 : Label
txtWidth : TextBox
Label4 : Label
#updateForm()
#pushData()
#Dispose()
-InitializeComponent()
-Label4_Click()
+frmPhotograph()
+SculptureDialog
frmSculpture
-components : IContainer
txtMaterial : TextBox
Label5 : Label
txtWeight : TextBox
Label4 : Label
#updateForm()
#pushData()
#Dispose()
-InitializeComponent()
-Label4_Click()
+frmSculpture()
frmWork
#_Work : clsWork
-components : IContainer
txtValue : TextBox
Label2 : Label
txtCreation : TextBox
Label1 : Label
txtName : TextBox
Label3 : Label
btnCancel : Button
btnOK : Button
+SetDetails()
-btnOK_Click()
-btnCancel_Click()
+isValid()
#updateForm()
#pushData()
#Dispose()
-InitializeComponent()
+frmWork()
clsDateComparer
+Compare()
+clsDateComparer()
-_DateComparer
clsWorksList
<<Property>> +SortOrder : Byte
-_NameComparer : clsNameComparer
-_DateComparer : clsDateComparer
+AddWork()
+EditWork()
+GetTotalValue()
+SortByName()
+SortByDate()
+clsWorksList()
+WorksList
clsArtist
<<Property>> +Name : String
<<Property>> +Speciality : String
<<Property>> +Phone : String
<<Property>> +TotalValue : Decimal
<<Property>> +WorksList : clsWorksList
<<Property>> +ArtistList : clsArtistList
-_ArtistDialog : frmArtist
+EditDetails()
+IsDuplicate()
+clsArtist()
+ArtistList
clsArtistList
<<Property>> +ExMessage : String
+EditArtist()
+NewArtist()
+GetTotalValue()
+Save()
+Retrieve()
+clsArtistList()
-_ArtistList
-_Artist
-_NameComparer
clsNameComparer
+Compare()
+clsNameComparer()
-_ArtistDialog
frmArtist
-_Artist : clsArtist
-components : IContainer
lblTotal : Label
Label6 : Label
gpSort : GroupBox
rbByDate : RadioButton
rbByName : RadioButton
btnClose : Button
btnDelete : Button
btnAdd : Button
Label4 : Label
lstWorks : ListBox
txtPhone : TextBox
Label3 : Label
txtSpeciality : TextBox
Label2 : Label
txtName : TextBox
Label1 : Label
-updateDisplay()
+SetDetails()
-btnDelete_Click()
-btnAdd_Click()
-btnClose_Click()
+isValid()
-lstWorks_DoubleClick()
-rbByDate_CheckedChanged()
-updateForm()
-pushData()
#Dispose()
-InitializeComponent()
+frmArtist()
frmMain
-_ArtistList : clsArtistList
-components : IContainer
lblValue : Label
Label2 : Label
btnQuit : Button
btnDelete : Button
btnAdd : Button
Label1 : Label
lstArtists : ListBox
-updateDisplay()
-btnAdd_Click()
-lstArtists_DoubleClick()
-btnQuit_Click()
-btnDelete_Click()
-frmMain_Load()
#Dispose()
-InitializeComponent()
+frmMain()

Class Diagram2

Visual Paradigm Standard(Julia Henrich(Nelson Marlborough Institute of Technology))

ArtGallery_V2.1

Version_2_C

frmSculpture
-components : IContainer
-txtMaterial : TextBox
-Label5 : Label
-txtWeight : TextBox
-Label4 : Label
+Instance : frmSculpture
#updateForm()
#pushData()
#Dispose()
-InitializeComponent()

frmPhotograph
-components : IContainer
-txtType : TextBox
-Label6 : Label
-txtHeight : TextBox
-Label5 : Label
-txtWidth : TextBox
-Label4 : Label
+Instance : frmPhotograph
#updateForm()
#pushData()
#Dispose()
-InitializeComponent()

clsPhotograph
<<Property>> +Width : Single
<<Property>> +Height : Single
<<Property>> +Type : String
+EditDetails()
+clsPhotograph()

clsSculpture
<<Property>> +Weight : Single
<<Property>> +Material : String
+EditDetails()
+clsSculpture()

clsWork
<<Property>> +Name : String
<<Property>> +Date : DateTime
<<Property>> +Value : Decimal
+NewWork()
+EditDetails()
+ToString()
+clsWork()

_Work

frmWork
#_Work : clsWork
-components : IContainer
-txtValue : TextBox
-Label2 : Label
-txtCreation : TextBox
-Label1 : Label
-txtName : TextBox
-Label3 : Label
-btnCancel : Button
-btnOK : Button
+SetDetails()
-btnOK_Click()
-btnCancel_Click()
+isValid()
#updateForm()
#pushData()
#Dispose()
-InitializeComponent()
+frmWork()

frmPainting
-components : IContainer
-txtType : TextBox
-Label6 : Label
-txtHeight : TextBox
-Label5 : Label
-txtWidth : TextBox
-Label4 : Label
+Instance : frmPainting
#updateForm()
#pushData()
#Dispose()
-InitializeComponent()

Properties

Settings
<<Property>> +Default : Settings
+Settings()

+Default

Resources
<<Property>> ~ResourceManager : ResourceManager
<<Property>> ~Culture : CultureInfo
get_ResourceManager()
get_Culture()
set_Culture()

Program
-Main()

frmArtist
-_Artist : clsArtist
-_WorksList : clsWorksList
-components : IContainer
-lblTotal : Label
-Label5 : Label
-optSort : GroupBox
-rbByDate : RadioButton
-rbByName : RadioButton
-btnClose : Button
-btnDelete : Button
-btnAdd : Button
-Label4 : Label
-lstWorks : ListBox
-txtPhone : TextBox
-Label3 : Label
-txtSpeciality : TextBox
-Label2 : Label
-txtName : TextBox
-Label1 : Label
-updateDisplay()
+SetDetails()
-updateForm()
-pushData()
-btnDelete_Click()
-btnAdd_Click()
-btnClose_Click()
-isValid()
-lstWorks_DoubleClick()
-rbByDate_CheckedChanged()
#Dispose()
-InitializeComponent()
+frmArtist()

_WorksList

clsWorksList
<<Property>> +SortOrder : Byte
+AddWork()
+EditWork()
+GetTotalValue()
+SortByName()
+SortByDate()
+clsWorksList()

+WorksList

_ArtistDialog

_Artist

clsArtist
<<Property>> +Name : String
<<Property>> +Speciality : String
<<Property>> +Phone : String
<<Property>> +TotalValue : Decimal
<<Property>> +WorksList : clsWorksList
_ArtistList : clsArtistList
_ArtistDialog : frmArtist
+EditDetails()
+IsDuplicate()
+clsArtist()
+clsArtist()

InputBox
<<Property>> +Answer : String
-components : IContainer
-btnOK : Button
-btnCancel : Button
-lblQuestion : Label
-txtAnswer : TextBox
-lblError : Label
-btnOK_Click()
-btnCancel_Click()
#Dispose()
-InitializeComponent()
+InputBox()

clsPainting
<<Property>> +Width : Single
<<Property>> +Height : Single
<<Property>> +Type : String
+EditDetails()
+clsPainting()

clsDateComparer
+Instance : clsDateComparer
+Compare()

+Instance

frmMain
<<Property>> ~Instance : frmMain
_ArtistList : clsArtistList
-components : IContainer
lblValue : Label
Label2 : Label
btnQuit : Button
btnDelete : Button
btnAdd : Button
Label1 : Label
lstArtists : ListBox
get_Instance()
-updateDisplay()
-btnAdd_Click()
-lstArtists_DoubleClick()
-btnQuit_Click()
-btnDelete_Click()
-frmMain_Load()
#Dispose()
-InitializeComponent()

+Instance

_ArtistList

clsArtistList
_FileName : string
+EditArtist()
+NewArtist()
+GetTotalValue()
+RetrieveArtistList()
+Save()
+clsArtistList()

_ArtistList

+Instance

clsDDateComparer
_Instance : clsDDateComparer
+Compare()

clsNameComparer
+Instance : clsNameComparer
+Compare()

+Instance

Class Diagram3

Visual Paradigm Standard(Julia Henrich(Nelson Marlborough Institute of Technology))

ArtGallery_V2.2

Version_2_C

frmPhotograph
-components : IContainer
txtType : TextBox
Label6 : Label
txtHeight : TextBox
Label5 : Label
txtWidth : TextBox
Label4 : Label
+Instance : frmPhotograph
+Run()
#updateForm()
#pushData()
#Dispose()
-InitializeComponent()

frmWork
_Work : clsWork
-components : IContainer
txtValue : TextBox
Label2 : Label
txtCreation : TextBox
Label1 : Label
txtName : TextBox
Label3 : Label
btnCancel : Button
btnOK : Button
+SetDetails()
-btnOK_Click()
-btnCancel_Click()
+isValid()
#updateForm()
#pushData()
#Dispose()
-InitializeComponent()
+frmWork()

frmSculpture
-components : IContainer
txtMaterial : TextBox
Label5 : Label
txtWeight : TextBox
Label4 : Label
+Instance : frmSculpture
+Run()
#updateForm()
#pushData()
#Dispose()
-InitializeComponent()

frmPainting
-components : IContainer
txtType : TextBox
Label6 : Label
txtHeight : TextBox
Label5 : Label
txtWidth : TextBox
Label4 : Label
+Instance : frmPainting
+Run()
#updateForm()
#pushData()
#Dispose()
-InitializeComponent()

frmArtist
_ Artist : clsArtist
_ WorksList : clsWorksList
-components : IContainer
lblTotal : Label
Label6 : Label
optSort : GroupBox
rbtByDate : RadioButton
rbtByName : RadioButton
btnClose : Button
btnDelete : Button
btnAdd : Button
Label4 : Label
lstWorks : ListBox
txtPhone : TextBox
Label3 : Label
txtSpecialty : TextBox
Label2 : Label
txtName : TextBox
Label1 : Label
+updateDisplay()
+SetDetails()
-updateForm()
-pushData()
-btnDelete_Click()
-btnAdd_Click()
-btnClose_Click()
-isValid()
-lstWorks_DoubleClick()
-rbtByDate_CheckedChanged()
#Dispose()
-InitializeComponent()
+frmArtist()
_ ArtistDialog

clsWorksList
<<Property>> +SortOrder : Byte
+AddWork()
+EditWork()
+GetTotalValue()
+SortByName()
+SortByDate()
+clsWorksList()

_ WorksList
+WorksList

clsArtist
<<Property>> +Name : String
<<Property>> +Specialty : String
<<Property>> +Phone : String
<<Property>> +TotalValue : Decimal
<<Property>> +WorksList : clsWorksList
_ ArtistList : clsArtistList
_ ArtistDialog : frmArtist
+EditDetails()
+IsDuplicate()
+clsArtist()
+clsArtist()

_ Artist

clsDateComparer
+Instance : clsDateComparer
+Compare()

frmMain
<<Property>> -Instance : frmMain
_ ArtistList : clsArtistList
-components : IContainer
lblValue : Label
Label2 : Label
btnQuit : Button
btnDelete : Button
btnAdd : Button
Label1 : Label
lstArtists : ListBox
get_Instance()
-updateDisplay()
-btnAdd_Click()
-lstArtists_DoubleClick()
-btnQuit_Click()
-btnDelete_Click()
-frmMain_Load()
#Dispose()
-InitializeComponent()

clsArtistList
_ FileName : string
+EditArtist()
+NewArtist()
+GetTotalValue()
+RetrieveArtistList()
+Save()
+clsArtistList()

_ ArtistList

clsDDateComparer
+Instance : clsDDateComparer
+Compare()

clsNameComparer
+Instance : clsNameComparer
+Compare()

clsSculpture
<<Property>> +Weight : Single
<<Property>> +Material : String
+LoadSculptureForm : LoadSculptureFormDelegate
+EditDetails()
+clsSculpture()

LoadSculptureFormDelegate
+Invoke()
+BeginInvoke()
+EndInvoke()
+LoadSculptureFormDelegate()

clsWork
<<Property>> +Name : String
<<Property>> +Date : DateTime
<<Property>> +Value : Decimal
+NewWork()
+EditDetails()
+ToString()
+isWork()

Work

clsPainting
<<Property>> +Width : Single
<<Property>> +Height : Single
<<Property>> +Type : String
+LoadPaintingForm : LoadPaintingFormDelegate
+EditDetails()
+clsPainting()

LoadPaintingFormDelegate
+Invoke()
+BeginInvoke()
+EndInvoke()
+LoadPaintingFormDelegate()

clsPhotograph
<<Property>> +Width : Single
<<Property>> +Height : Single
<<Property>> +Type : String
+LoadPhotographForm : LoadPhotographFormDelegate
+EditDetails()
+clsPhotograph()

LoadPhotographFormDelegate
+Invoke()
+BeginInvoke()
+EndInvoke()
+LoadPhotographFormDelegate()

InputBox
<<Property>> +Answer : String
-components : IContainer
-btnOK : Button
-btnCancel : Button
-lblQuestion : Label
-txtAnswer : TextBox
-lblError : Label
-btnOK_Click()
-btnCancel_Click()
#Dispose()
-InitializeComponent()
+InputBox()

Program
-Main()

Properties

Settings
<<Property>> +Default : Settings
+Settings()

Resources
<<Property>> -ResourceManager : ResourceManager
<<Property>> -Culture : CultureInfo
get_ResourceManager()
get_Culture()
set_Culture()