Namespace FileFormat.Slides

Classes

Image

This class represents the image within a slide.

Presentation

Represents the presentation document.

Slide

Represents the slide object within a presentatction

StyledList

This class represents the text list with bullet style.

TextSegment

This class represents the text segment within a paragraph.

TextShape

This class represents the text shape within a slide.

Class Image

Namespace: FileFormat.Slides

Assembly: FileFormat.Slides.dll

This class represents the image within a slide.

```
public class Image
```

Inheritance

object ← Image

Inherited Members

object.Equals(object) , object.Equals(object, object) , object.GetHashCode() , object.GetType() , object.MemberwiseClone() , object.ReferenceEquals(object, object) , object.ToString()

Constructors

Image()

Blank constructor to initialize the image object

```
public Image()
```

Image(string)

Initialize the image object

```
public Image(string imagePath)
```

Parameters

`imagePath` string

Image path as string

Properties

Facade

Property to get or set the ImageFacade instance.

```
public ImageFacade Facade { get; set; }
```

Property Value

ImageFacade

Height

Property to get or set the height of an image.

```
public double Height { get; set; }
```

Property Value

double

ImageIndex

Property to get or set the image index within the slide.

```
public int ImageIndex { get; set; }
```

Property Value

int

ImagePath

Property to get or set the image path.

```
public string ImagePath { get; set; }
```

Property Value

string

Name

Property to get or set the image index within the slide.

```
public string Name { get; set; }
```

Property Value

string

Width

Property to get or set the width of an image.

```
public double Width { get; set; }
```

Property Value

double

X

Property to get or set the X coordinate of an image.

```
public double X { get; set; }
```

Property Value

double

Y

Property to get or set the Y coordinate of an image.

```
public double Y { get; set; }
```

Property Value

double

Methods

GetImages(List<ImageFacade>)

Method to get the list of the images within a slide

```
public static List<Image> GetImages(List<ImageFacade> imageFacades)
```

Parameters

`imageFacades` List<ImageFacade>

An object of ImageFacade.

Returns

List<Image>

Remove()

Method to remove the image.

```
public void Remove()
```

Update()

```
public void Update()
```

Class Presentation

Namespace: FileFormat.Slides

Assembly: FileFormat.Slides.dll

Represents the presentation document.

```
public class Presentation
```

Inheritance

object ← Presentation

Inherited Members

object.Equals(object) , object.Equals(object, object) , object.GetHashCode() , object.GetType() , object.MemberwiseClone() , object.ReferenceEquals(object, object) , object.ToString()

Methods

AppendSlide(Slide)

This method is responsible to append a slide.

```
public void AppendSlide(Slide slide)
```

Parameters

`slide` Slide

An object of a slide

Create(string)

Static method to instantiate a new object of Presentation class.

```
public static Presentation Create(string FilePath)
```

Parameters

`FilePath` string

Presentation path as string

Returns

Presentation

An instance of Presentation object

Examples

```
Presentation presentation = Presentation.Create("D:\\AsposeSampleResults\\test2.pptx");
TextShape shape = new TextShape();
shape.Text = "Title: Here is my first title From FF";
TextShape shape2 = new TextShape();
shape2.Text = "Body : Here is my first title From FF";
 // First slide
Slide slide = new Slide();
slide.AddTextShapes(shape);
slide.AddTextShapes(shape2);
// 2nd slide
Slide slide1 = new Slide();
slide1.AddTextShapes(shape);
slide1.AddTextShapes(shape2);
// Adding slides
presentation.AppendSlide(slide);
presentation.AppendSlide(slide1);
presentation.Save();
```

ExtractAndSaveImages(string)

Extract and save images of a presentation into a director

```
public void ExtractAndSaveImages(string outputFolder)
```

Parameters

`outputFolder` string

Folder path as string

GetSlides()

Method to get the list of all slides of a presentation

```
public List<Slide> GetSlides()
```

Returns

List<Slide>

Examples

```
Presentation presentation = Presentation.Open("D:\\AsposeSampleData\\sample.pptx");
var slides = presentation.GetSlides();
var slide = slides[0];
...
```

InsertSlideAt(int, Slide)

Method to insert a slide at a specific index

```
public void InsertSlideAt(int index, Slide slide)
```

Parameters

`index` int

Index of a slide

`slide` Slide

A slide object

Open(string)

Static method to load an existing presentation.

```
public static Presentation Open(string FilePath)
```

Parameters

`FilePath` string

Presentation path as string

Returns

Presentation

Examples

```
Presentation presentation = Presentation.Open("D:\\AsposeSampleData\\sample.pptx");
TextShape shape1 = new TextShape();
shape1.Text = "Title: Here is my first title From FF";
TextShape shape2 = new TextShape();
shape2.Text = "Body : Here is my first title From FF";
 // New slide
Slide slide = new Slide();
slide.AddTextShapes(shape1);
slide.AddTextShapes(shape2);
// Adding slide
presentation.AppendSlide(slide);
presentation.Save();
```

RemoveSlide(int)

Method to remove a slide at a specific index

```
public string RemoveSlide(int slideIndex)
```

Parameters

`slideIndex` int

Index of a slide

Returns

string

Examples

```
Presentation presentation = Presentation.Open("D:\\AsposeSampleData\\sample.pptx");
var confirmation = presentation.RemoveSlide(0);
Console.WriteLine(confirmation);
presentation.Save();
```

Save()

Method to save the new or changed presentation.

```
public void Save()
```

Class Slide

Namespace: FileFormat.Slides

Assembly: FileFormat.Slides.dll

Represents the slide object within a presentatction

```
public class Slide
```

Inheritance

object ← Slide

Inherited Members

object.Equals(object) , object.Equals(object, object) , object.GetHashCode() , object.GetType() , object.MemberwiseClone() , object.ReferenceEquals(object, object) , object.ToString()

Constructors

Slide()

Constructor for the Slide class.

```
public Slide()
```

Remarks

it intializes the Slide Facade set the slide index and intializes the lists of text shapes and images.

Slide(bool)

```
public Slide(bool isNewSlide)
```

Parameters

`isNewSlide` bool

Properties

BackgroundColor

Property to set background color of a slide.

```
public string BackgroundColor { get; set; }
```

Property Value

string

Images

Property contains the list of all images within a slide.

```
public List<Image> Images { get; set; }
```

Property Value

List<Image>

RelationshipId

Property for the relationship Id.

```
public string RelationshipId { get; set; }
```

Property Value

string

SlideFacade

Property for respective Slide Facade.

```
public SlideFacade SlideFacade { get; set; }
```

Property Value

SlideFacade

SlideIndex

Property to hold the index of the slide.

```
public int SlideIndex { get; set; }
```

Property Value

int

TextShapes

Property contains the list of all text shapes.

```
public List<TextShape> TextShapes { get; set; }
```

Property Value

List <TextShape>

Methods

AddImage(Image)

Method to add images to a slide.

```
public void AddImage(Image image)
```

Parameters

`image` Image

An object of Image class

AddTextShapes(TextShape)

Method to add a text shape in a slide.

```
public void AddTextShapes(TextShape textShape)
```

Parameters

`textShape` TextShape

An object of TextShape class.

AddTextShapes(TextShape, List<TextSegment>)

```
public void AddTextShapes(TextShape textShape, List<TextSegment> textSegments)
```

Parameters

`textShape` TextShape

`textSegments` List<TextSegment>

GetTextShapesByText(string)

Get text shapes by searching a text term.

```
public List<TextShape> GetTextShapesByText(string text)
```

Parameters

`text` string

Search term as string

Returns

List <TextShape>

Update()

Method to update a slide properties e.g. background color.

```
public void Update()
```

Class StyledList

Namespace: FileFormat.Slides

Assembly: FileFormat.Slides.dll

This class represents the text list with bullet style.

```
public class StyledList
```

Inheritance

object ← StyledList

Inherited Members

object.Equals(object) , object.Equals(object, object) , object.GetHashCode() , object.GetType() , object.MemberwiseClone() , object.ReferenceEquals(object, object) , object.ToString()

Constructors

StyledList(ListType)

Constructor of StyledList class.

```
public StyledList(ListType type)
```

Parameters

`type` ListType

Properties

Facade

Property to get the facade of a styled list

```
public ListFacade Facade { get; set; }
```

Property Value

ListFacade

FontFamily

```
public string FontFamily { get; set; }
```

Property Value

string

FontSize

```
public int FontSize { get; set; }
```

Property Value

int

ListItems

```
public List<string> ListItems { get; set; }
```

Property Value

List<string>

ListType

```
public ListType ListType { get; set; }
```

Property Value

ListType

TextColor

```
public string TextColor { get; set; }
```

Property Value

string

TextShape

```
public TextShape TextShape { get; set; }
```

Property Value

TextShape

Methods

AddListItem(string)

Method to add list items in styled list.

```
public void AddListItem(string text)
```

Parameters

`text` string

It accepts text as list item

Update()

Method to update the styled list

```
public void Update()
```

Class TextSegment

Namespace: FileFormat.Slides

Assembly: FileFormat.Slides.dll

This class represents the text segment within a paragraph.

```
public class TextSegment
```

Inheritance

object ← TextSegment

Inherited Members

object.Equals(object) , object.Equals(object, object) , object.GetHashCode() , object.GetType() , object.MemberwiseClone() , object.ReferenceEquals(object, object) , object.ToString()

Properties

Bold

Property to make bold the text segment.

```
public bool Bold { get; set; }
```

Property Value

bool

Color

Property to set color the text segment.

```
public string Color { get; set; }
```

Property Value

string

Facade

Property to get facade of text segment.

```
public TextSegmentFacade Facade { get; }
```

Property Value

TextSegmentFacade

FontFamily

Property to set font family.

```
public string FontFamily { get; set; }
```

Property Value

string

FontSize

Property to set or get the font size of the text segment

```
public int FontSize { get; set; }
```

Property Value

int

Italic

Property to make Italic the text segment.

```
public bool Italic { get; set; }
```

Property Value

bool

Text

Property to set the text of the text segment.

```
public string Text { get; set; }
```

Property Value

string

Methods

create()

Method to create text segment.

```
public TextSegment create()
```

Returns

TextSegment

Class TextShape

Namespace: FileFormat.Slides

Assembly: FileFormat.Slides.dll

This class represents the text shape within a slide.

```
public class TextShape
```

Inheritance

object ← TextShape

Inherited Members

object.Equals(object) , object.Equals(object, object) , object.GetHashCode() , object.GetType() , object.MemberwiseClone() , object.ReferenceEquals(object, object) , object.ToString()

Constructors

TextShape()

Constructor of the TextShape class inititalizes the object of TextShapeFacade and populate its fields.

```
public TextShape()
```

Properties

Alignment

Property to get or set alignment of the shape.

```
public TextAlignment Alignment { get; set; }
```

Property Value

TextAlignment

BackgroundColor

Property to set or get background color of a text shape.

```
public string BackgroundColor { get; set; }
```

Property Value

string

Facade

Property to get or set the TextShapeFacade.

```
public TextShapeFacade Facade { get; set; }
```

Property Value

TextShapeFacade

FontFamily

Property to get or set the font family of the text shape.

```
public string FontFamily { get; set; }
```

Property Value

string

FontSize

Property to set or get the font size of the Text Shape.

```
public int FontSize { get; set; }
```

Property Value

int

Height

Property to get or set height of the shape.

```
public double Height { get; set; }
```

Property Value

double

ShapeIndex

Property to get or set the shape index within a slide.

```
public int ShapeIndex { get; set; }
```

Property Value

int

Text

Property to set or get the text of the shape.

```
public string Text { get; set; }
```

Property Value

string

TextColor

Property to get or set the text color of the text shape.

```
public string TextColor { get; set; }
```

Property Value

string

TextList

Property to set or get styled list of a text shape.

```
public StyledList TextList { get; set; }
```

Property Value

StyledList

TextSegments

Property to set or get text segments within a text shape.

```
public List<TextSegment> TextSegments { get; set; }
```

Property Value

List<TextSegment>

Width

Property to get or set width of the shape.

```
public double Width { get; set; }
```

Property Value

double

X

Property to get or set X coordinate of the shape

```
public double X { get; set; }
```

Property Value

double

Y

Property to get or set Y coordinate of the shape.

```
public double Y { get; set; }
```

Property Value

double

Methods

GetTextShapes(List<TextShapeFacade>)

Method for getting the list of text shapes.

```
public static List<TextShape> GetTextShapes(List<TextShapeFacade> textShapeFacades)
```

Parameters

`textShapeFacades` List<TextShapeFacade>

An object of TextShapeFacade.

Returns

List<TextShape>

Remove()

Method to remove the textshape of a slide.

```
public void Remove()
```

Update()

Method to update text shape.

```
public void Update()
```

Namespace FileFormat.Slides.Common

Classes

Colors

Common class to get the hexadecimal values of colors as string.

FileFormatException

Custom exception class for file format-related exceptions.

Utility

This class provides essential static methods for generating unique relationship IDs, obtaining random slide IDs, and converting measurements.

Class Colors

Namespace: FileFormat.Slides.Common

Assembly: FileFormat.Slides.Common.dll

Common class to get the hexadecimal values of colors as string.

```
public static class Colors
```

Inheritance

object ← Colors

Inherited Members

object.Equals(object) , object.Equals(object, object) , object.GetHashCode() , object.GetType() , object.MemberwiseClone() , object.ReferenceEquals(object, object) , object.ToString()

Properties

Aqua

Gets the hexadecimal value for the color Aqua (00FFFF).

```
public static string Aqua { get; }
```

Property Value

string

Black

Gets the hexadecimal value for the color Black (000000).

```
public static string Black { get; }
```

Property Value

string

Blue

Gets the hexadecimal value for the color Blue (0000FF).

```
public static string Blue { get; }
```

Property Value

string

Cyan

Gets the hexadecimal value for the color Cyan (00FFFF).

```
public static string Cyan { get; }
```

Property Value

string

Fuchsia

Gets the hexadecimal value for the color Fuchsia (FF00FF).

```
public static string Fuchsia { get; }
```

Property Value

string

Gray

Gets the hexadecimal value for the color Gray (808080).

```
public static string Gray { get; }
```

Property Value

string

Green

Gets the hexadecimal value for the color Green (00FF00).

```
public static string Green { get; }
```

Property Value

string

Lime

Gets the hexadecimal value for the color Lime (00FF00).

```
public static string Lime { get; }
```

Property Value

string

LimeGreen

Gets the hexadecimal value for the color Silver (C0C0C0).

```
public static string LimeGreen { get; }
```

Property Value

string

Magenta

Gets the hexadecimal value for the color Magenta (FF00FF).

```
public static string Magenta { get; }
```

Property Value

string

Maroon

Gets the hexadecimal value for the color Maroon (800000).

```
public static string Maroon { get; }
```

Property Value

string

Navy

Gets the hexadecimal value for the color Navy (000080).

```
public static string Navy { get; }
```

Property Value

string

Olive

Gets the hexadecimal value for the color Olive (808000).

```
public static string Olive { get; }
```

Property Value

string

Orange

Gets the hexadecimal value for the color Orange (FFA500).

```
public static string Orange { get; }
```

Property Value

string

Purple

Gets the hexadecimal value for the color Purple (800080).

```
public static string Purple { get; }
```

Property Value

string

Red

Gets the hexadecimal value for the color Red (FF0000).

```
public static string Red { get; }
```

Property Value

string

Silver

Gets the hexadecimal value for the color Silver (C0C0C0).

```
public static string Silver { get; }
```

Property Value

string

Teal

Gets the hexadecimal value for the color Green (008000).

```
public static string Teal { get; }
```

Property Value

string

White

Gets the hexadecimal value for the color White (FFFFFF).

```
public static string White { get; }
```

Property Value

string

Yellow

Gets the hexadecimal value for the color Yellow (FFFF00).

```
public static string Yellow { get; }
```

Property Value

string

Class FileFormatException

Namespace: FileFormat.Slides.Common

Assembly: FileFormat.Slides.Common.dll

Custom exception class for file format-related exceptions.

```
public class FileFormatException : Exception, ISerializable
```

Inheritance

object ← Exception ← FileFormatException

Implements

ISerializable

Inherited Members

Exception.GetBaseException() , Exception.GetObjectData(SerializationInfo, StreamingContext) , Exception.GetType() , Exception.ToString() , Exception.Data , Exception.HelpLink , Exception.HResult , Exception.InnerException , Exception.Message , Exception.Source , Exception.StackTrace , Exception.TargetSite , Exception.SerializeObjectState , object.Equals(object) , object.Equals(object, object) , object.GetHashCode() , object.MemberwiseClone() , object.ReferenceEquals(object, object)

Constructors

FileFormatException(string, Exception)

Initializes a new instance of the FileFormatException class with a specified error message and a reference to the inner exception.

```
public FileFormatException(string message, Exception innerException)
```

Parameters

`message` string

The error message that explains the reason for the exception.

`innerException` Exception

The exception that is the cause of the current exception, or a null reference if no inner exception is specified.

Methods

ConstructMessage(Exception, string)

```
public static string ConstructMessage(Exception Ex, string Operation)
```

Parameters

`Ex` Exception

`Operation` string

Returns

string

Class Utility

Namespace: FileFormat.Slides.Common

Assembly: FileFormat.Slides.Common.dll

This class provides essential static methods for generating unique relationship IDs, obtaining random slide IDs, and converting measurements.

```
public static class Utility
```

Inheritance

object ← Utility

Inherited Members

object.Equals(object) , object.Equals(object, object) , object.GetHashCode() , object.GetType() , object.MemberwiseClone() , object.ReferenceEquals(object, object) , object.ToString()

Properties

NextIndex

Property to set next index for slide relationship Id.

```
public static int NextIndex { get; set; }
```

Property Value

int

SlideNextIndex

```
public static int SlideNextIndex { get; set; }
```

Property Value

int

Methods

EmuToPixels(long)

Function to convert EMU to Pixel

```
public static double EmuToPixels(long emuValue)
```

Parameters

`emuValue` long

Long value

Returns

double

GetRandomSlideId()

Function to get unique slide Id.

```
public static uint GetRandomSlideId()
```

Returns

uint

GetUniqueRelationshipId()

Function to generate a unique Relationship ID

```
public static string GetUniqueRelationshipId()
```

Returns

string

PixelsToEmu(double)

Function to convert Pixel valie to EMU.

```
public static long PixelsToEmu(double pixelsValue)
```

Parameters

`pixelsValue` double

Double value

Returns

long

Namespace FileFormat.Slides.Common.Enumerations

Enums

ListType

Specifies the type of styled list

TextAlignment

Specifies the alignment of text elements.

Enum ListType

Namespace: FileFormat.Slides.Common.Enumerations

Assembly: FileFormat.Slides.Common.dll

Specifies the type of styled list

```
public enum ListType
```

Fields

`Bulleted = 0`

`Numbered = 1`

Enum TextAlignment

Namespace: FileFormat.Slides.Common.Enumerations

Assembly: FileFormat.Slides.Common.dll

Specifies the alignment of text elements.

```
public enum TextAlignment
```

Fields

`Center = 2`

`Left = 0`

`None = 3`

`Right = 1`