Namespace ASE_Assignment

Classes

AppCanvas

Class that implements the ICanvas interface and provides the functionality to draw on a canvas.

AppCommandFactory

Factory class for creating commands for the application.

AppTriangle

A command to draw a triangle with specified width and height.

BOOSEInterpreter

Main form for the BOOSE interpreter.

Class AppCanvas

Namespace: ASE Assignment

Assembly: ASE Assignment.dll

Class that implements the ICanvas interface and provides the functionality to draw on a canvas.

```
public class AppCanvas : ICanvas
```

Inheritance

object ← AppCanvas

Implements

ICanvas

Inherited Members

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

Constructors

AppCanvas()

Initializes a new instance of the AppCanvasclass.

```
public AppCanvas()
```

Properties

PenColour

Gets or sets the color of the pen.

```
public object PenColour { get; set; }
```

Property Value

object

Xpos

Gets or sets the X position of the pen.

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

Property Value

int

Ypos

Gets or sets the Y position of the pen.

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

Property Value

int

Methods

Circle(int, bool)

Draws a circle on the canvas.

```
public void Circle(int radius, bool filled)
```

Parameters

`radius` int

The radius of the circle.

`filled` bool

If is set to true, the cricle will be filled.

Exceptions

ArgumentOutOfRangeException

Exception thrown when radius is equal to 0 or less.

Clear()

Clears the canvas to orginial state.

```
public void Clear()
```

DrawTo(int, int)

Draws a line from the current position to the specified position.

```
public void DrawTo(int x, int y)
```

Parameters

x int

The X coordinate to draw line to.

y int

The Y coordinate to draw line to.

Exceptions

ArgumentOutOfRangeException

Exception thrown when the coordinates given is out of the canvas size.

MoveTo(int, int)

Moves the pen to specified position without drawing on canvas.

```
public void MoveTo(int x, int y)
```

Parameters

`x` int

The X coordinate to move the pen to.

`y` int

The Y coordinate to move the pen to.

Exceptions

ArgumentOutOfRangeException

Exception thrown when coordinates given is out of the canvas size

Rect(int, int, bool)

Draw a rectangle on the canvas.

```
public void Rect(int width, int height, bool filled)
```

Parameters

`width` int

The width of the rectangle.

`height` int

The height of the rectangle.

`filled` bool

If is set to true, rectangle will be filled.

Exceptions

ArgumentOutOfRangeException

Exception thrown when width or height is set to 0 or less.

Reset()

Resets the pen position to original coordinates 0,0.

```
public void Reset()
```

Set(int, int)

Sets the size of the canvas.

```
public void Set(int xsize, int ysize)
```

Parameters

`xsize` int

The width of the canvas.

`ysize` int

The height of the canvas.

SetColour(int, int, int)

Sets the color of the pen.

```
public void SetColour(int red, int green, int blue)
```

Parameters

`red` int

Value of red component of the color

`green` int

Value of green component of the color

`blue` int

Value of blue component of the color

Exceptions

ArgumentOutOfRangeException

Exception thrown when any of the component values are set above 255.

Tri(int, int)

Draws a triangle on the canvas

```
public void Tri(int width, int height)
```

Parameters

`width` int

The width of the triangle.

`height` int

The height of the triangle.

Exceptions

NotImplementedException

Exception thrown because the method is not implemented.

WriteText(string)

Writes the text on the canvas.

```
public void WriteText(string text)
```

Parameters

`text` string

The text to write.

Exceptions

NotImplementedException

Exception thrown because the method is not implemented.

getBitmap()

Gets the bitmap of the canvas.

```
public object getBitmap()
```

Returns

object

The bitmap of the canvas.

Class AppCommandFactory

Namespace: ASE Assignment

Assembly: ASE Assignment.dll

Factory class for creating commands for the application.

```
public class AppCommandFactory : CommandFactory, ICommandFactory
```

Inheritance

object ← CommandFactory ← AppCommandFactory

Implements

ICommandFactory

Inherited Members

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

Constructors

AppCommandFactory()

Initializes a new instance of the AppCommandFactory class.

```
public AppCommandFactory()
```

Methods

MakeCommand(string)

Creates a command based on the specified command type.

```
public override ICommand MakeCommand(string commandType)
```

Parameters

`commandType` string

The type of command to be created.

Returns

ICommand

A instance of BOOSE.ICommandcorresponding to the specified command type.

Class AppTriangle

Namespace: ASE Assignment

Assembly: ASE Assignment.dll

A command to draw a triangle with specified width and height.

```
public class AppTriangle : ICommand
```

Inheritance

object ← AppTriangle

Implements

ICommand

Inherited Members

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

Constructors

AppTriangle(int, int)

Initializes a new instance of the AppTriangle class.

```
public AppTriangle(int width, int height)
```

Parameters

`width` int

The width of the triangle.

`height` int

The height of the triangle.

Methods

CheckParameters(string[])

Check the parameters for the triangle command.

```
public void CheckParameters(string[] Parameters)
```

Parameters

`Parameters` string[]

The parameters that have to be checked.

Exceptions

NotImplementedException

Exception is thrown because this method is not implemented.

Compile()

Compiles the triangle command

```
public void Compile()
```

Execute()

Executes the triangle command.

```
public void Execute()
```

Exceptions

NotImplementedException

Exception is thrown because this method is not implemented.

Set(StoredProgram, string)

Sets the parameters for the triangle command.

```
public void Set(StoredProgram Program, string Params)
```

Parameters

`Program` StoredProgram

The stored program

`Params` string

The parameters for the triangle command.

Exceptions

Exception

Exception thrown when there is less than 2 parameters given.

ArgumentOutOfRangeException

Exception thrown when the width or height of the triangle is equal to 0 or less.

Class BOOSEInterpreter

Namespace: ASE_Assignment

Assembly: ASE Assignment.dll

Main form for the BOOSE interpreter.

```
public class BOOSEInterpreter : Form, IDropTarget, ISynchronizeInvoke, IWin32Window,
IBindableComponent, IComponent, IDisposable, IContainerControl
```

Inheritance

object ← MarshalByRefObject ← Component ← Control ← ScrollableControl ← ContainerControl ← Form ← BOOSEInterpreter

Implements

IDropTarget, ISynchronizeInvoke, IWin32Window, IBindableComponent, IComponent, IDisposable, IContainerControl

Inherited Members

Form.SetVisibleCore(bool) , Form.Activate() , Form.ActivateMdiChild(Form) , Form.AddOwnedForm(Form) , Form.AdjustFormScrollbars(bool) , Form.Close() , Form.CreateAccessibilityInstance() , Form.CreateControlsInstance() , Form.CreateHandle() , Form.DefWndProc(ref Message) , Form.ProcessMnemonic(char) , Form.CenterToParent() , Form.CenterToScreen() , Form.LayoutMdi(MdiLayout) , Form.OnActivated(EventArgs) , Form.OnBackgroundImageChanged(EventArgs) , Form.OnBackgroundImageLayoutChanged(EventArgs) , Form.OnClosing(CancelEventArgs) , Form.OnClosed(EventArgs) , Form.OnFormClosing(FormClosingEventArgs) , Form.OnFormClosed(FormClosedEventArgs) , Form.OnCreateControl() , Form.OnDeactivate(EventArgs) , Form.OnEnabledChanged(EventArgs) , Form.OnEnter(EventArgs) , Form.OnFontChanged(EventArgs) , Form.OnGotFocus(EventArgs) , Form.OnHandleCreated(EventArgs) , Form.OnHandleDestroyed(EventArgs) , Form.OnHelpButtonClicked(CancelEventArgs) , Form.OnLayout(LayoutEventArgs) , Form.OnLoad(EventArgs) , Form.OnMaximizedBoundsChanged(EventArgs) , Form.OnMaximumSizeChanged(EventArgs) , Form.OnMinimumSizeChanged(EventArgs) , Form.OnInputLanguageChanged(InputLanguageChangedEventArgs) , Form.OnInputLanguageChanging(InputLanguageChangingEventArgs) , Form.OnVisibleChanged(EventArgs) , Form.OnMdiChildActivate(EventArgs) , Form.OnMenuStart(EventArgs) , Form.OnMenuComplete(EventArgs) , Form.OnPaint(PaintEventArgs) , Form.OnResize(EventArgs) , Form.OnDpiChanged(DpiChangedEventArgs) , Form.OnGetDpiScaledSize(int, int, ref Size) ,

Form.OnRightToLeftLayoutChanged(EventArgs) , Form.OnShown(EventArgs) ,
Form.OnTextChanged(EventArgs) , Form.ProcessCmdKey(ref Message, Keys) ,
Form.ProcessDialogKey(Keys) , Form.ProcessDialogChar(char) ,
Form.ProcessKeyPreview(ref Message) , Form.ProcessTabKey(bool) ,
Form.RemoveOwnedForm(Form) , Form.Select(bool, bool) ,
Form.ScaleMinMaxSize(float, float, bool) ,
Form.GetScaledBounds(Rectangle, SizeF, BoundsSpecified) ,
Form.ScaleControl(SizeF, BoundsSpecified) , Form.SetBoundsCore(int, int, int, int, BoundsSpecified) ,
Form.SetClientSizeCore(int, int) , Form.SetDesktopBounds(int, int, int, int) ,
Form.SetDesktopLocation(int, int) , Form.Show(IWin32Window) , Form.ShowDialog() ,
Form.ShowDialog(IWin32Window) , Form.ToString() , Form.UpdateDefaultButton() ,
Form.OnResizeBegin(EventArgs) , Form.OnResizeEnd(EventArgs) ,
Form.OnStyleChanged(EventArgs) , Form.ValidateChildren() ,
Form.ValidateChildren(ValidationConstraints) , Form.WndProc(ref Message) , Form.AcceptButton ,
Form.ActiveForm , Form.ActiveMdiChild , Form.AllowTransparency , Form.AutoScroll ,
Form.AutoSize , Form.AutoSizeMode , Form.AutoValidate , Form.BackColor ,
Form.FormBorderStyle , Form.CancelButton , Form.ClientSize , Form.ControlBox ,
Form.CreateParams , Form.DefaultImeMode , Form.DefaultSize , Form.DesktopBounds ,
Form.DesktopLocation , Form.DialogResult , Form.HelpButton , Form.Icon , Form.IsMdiChild ,
Form.IsMdiContainer , Form.IsRestrictedWindow , Form.KeyPreview , Form.Location ,
Form.MaximizedBounds , Form.MaximumSize , Form.MainMenuStrip , Form.MinimumSize ,
Form.MaximizeBox , Form.MdiChildren , Form.MdiChildrenMinimizedAnchorBottom ,
Form.MdiParent , Form.MinimizeBox , Form.Modal , Form.Opacity , Form.OwnedForms ,
Form.Owner , Form.RestoreBounds , Form.RightToLeftLayout , Form.ShowInTaskbar ,
Form.ShowIcon , Form.ShowWithoutActivation , Form.Size , Form.SizeGripStyle ,
Form.StartPosition , Form.Text , Form.TopLevel , Form.TopMost , Form.TransparencyKey ,
Form.WindowState , Form.AutoSizeChanged , Form.AutoValidateChanged ,
Form.HelpButtonClicked , Form.MaximizedBoundsChanged , Form.MaximumSizeChanged ,
Form.MinimumSizeChanged , Form.Activated , Form.Deactivate , Form.FormClosing ,
Form.FormClosed , Form.Load , Form.MdiChildActivate , Form.MenuComplete ,
Form.MenuStart , Form.InputLanguageChanged , Form.InputLanguageChanging ,
Form.RightToLeftLayoutChanged , Form.Shown , Form.DpiChanged , Form.ResizeBegin ,
Form.ResizeEnd , ContainerControl.OnAutoValidateChanged(EventArgs) ,
ContainerControl.OnMove(EventArgs) , ContainerControl.OnParentChanged(EventArgs) ,
ContainerControl.PerformAutoScale() , ContainerControl.RescaleConstantsForDpi(int, int) ,
ContainerControl.Validate() , ContainerControl.Validate(bool) ,
ContainerControl.AutoScaleDimensions , ContainerControl.AutoScaleFactor ,
ContainerControl.AutoScaleMode , ContainerControl.BindingContext ,
ContainerControl.CanEnableIme , ContainerControl.ActiveControl ,
ContainerControl.CurrentAutoScaleDimensions , ContainerControl.ParentForm ,

ScrollableControl.ScrollStateAutoScrolling , ScrollableControl.ScrollStateHScrollVisible ,
ScrollableControl.ScrollStateVScrollVisible , ScrollableControl.ScrollStateUserHasScrolled ,
ScrollableControl.ScrollStateFullDrag , ScrollableControl.GetScrollState(int) ,
ScrollableControl.OnMouseWheel(MouseEventArgs) ,
ScrollableControl.OnRightToLeftChanged(EventArgs) ,
ScrollableControl.OnPaintBackground(PaintEventArgs) ,
ScrollableControl.OnPaddingChanged(EventArgs) , ScrollableControl.SetDisplayRectLocation(int, int) ,
ScrollableControl.ScrollControlIntoView(Control) , ScrollableControl.ScrollToControl(Control) ,
ScrollableControl.OnScroll(ScrollEventArgs) , ScrollableControl.SetAutoScrollMargin(int, int) ,
ScrollableControl.SetScrollState(int, bool) , ScrollableControl.AutoScrollMargin ,
ScrollableControl.AutoScrollPosition , ScrollableControl.AutoScrollMinSize ,
ScrollableControl.DisplayRectangle , ScrollableControl.HScroll , ScrollableControl.HorizontalScroll ,
ScrollableControl.VScroll , ScrollableControl.VerticalScroll , ScrollableControl.Scroll ,
Control.GetAccessibilityObjectById(int) , Control.SetAutoSizeMode(AutoSizeMode) ,
Control.GetAutoSizeMode() , Control.GetPreferredSize(Size) ,
Control.AccessibilityNotifyClients(AccessibleEvents, int) ,
Control.AccessibilityNotifyClients(AccessibleEvents, int, int) , Control.BeginInvoke(Delegate) ,
Control.BeginInvoke(Action) , Control.BeginInvoke(Delegate, params object[]) ,
Control.BringToFront() , Control.Contains(Control) , Control.CreateGraphics() ,
Control.CreateControl() , Control.DestroyHandle() , Control.DoDragDrop(object, DragDropEffects) ,
Control.DoDragDrop(object, DragDropEffects, Bitmap, Point, bool) ,
Control.DrawToBitmap(Bitmap, Rectangle) , Control.EndInvoke(IAsyncResult) , Control.FindForm() ,
Control.GetTopLevel() , Control.RaiseKeyEvent(object, KeyEventArgs) ,
Control.RaiseMouseEvent(object, MouseEventArgs) , Control.Focus() ,
Control.FromChildHandle(nint) , Control.FromHandle(nint) ,
Control.GetChildAtPoint(Point, GetChildAtPointSkip) , Control.GetChildAtPoint(Point) ,
Control.GetContainerControl() , Control.GetNextControl(Control, bool) ,
Control.GetStyle(ControlStyles) , Control.Hide() , Control.InitLayout() , Control.Invalidate(Region) ,
Control.Invalidate(Region, bool) , Control.Invalidate() , Control.Invalidate(bool) ,
Control.Invalidate(Rectangle) , Control.Invalidate(Rectangle, bool) , Control.Invoke(Action) ,
Control.Invoke(Delegate) , Control.Invoke(Delegate, params object[]) ,
Control.Invoke<T>(Func<T>) , Control.InvokePaint(Control, PaintEventArgs) ,
Control.InvokePaintBackground(Control, PaintEventArgs) , Control.IsKeyLocked(Keys) ,
Control.IsInputChar(char) , Control.IsInputKey(Keys) , Control.IsMnemonic(char, string) ,
Control.LogicalToDeviceUnits(int) , Control.LogicalToDeviceUnits(Size) ,
Control.ScaleBitmapLogicalToDevice(ref Bitmap) , Control.NotifyInvalidate(Rectangle) ,
Control.InvokeOnClick(Control, EventArgs) , Control.OnAutoSizeChanged(EventArgs) ,
Control.OnBackColorChanged(EventArgs) , Control.OnBindingContextChanged(EventArgs) ,
Control.OnCausesValidationChanged(EventArgs) , Control.OnContextMenuStripChanged(EventArgs) ,
Control.OnCursorChanged(EventArgs) , Control.OnDataContextChanged(EventArgs) ,

Control.OnDockChanged(EventArgs) , Control.OnForeColorChanged(EventArgs) ,
Control.OnNotifyMessage(Message) , Control.OnParentBackColorChanged(EventArgs) ,
Control.OnParentBackgroundImageChanged(EventArgs) ,
Control.OnParentBindingContextChanged(EventArgs) , Control.OnParentCursorChanged(EventArgs) ,
Control.OnParentDataContextChanged(EventArgs) , Control.OnParentEnabledChanged(EventArgs) ,
Control.OnParentFontChanged(EventArgs) , Control.OnParentForeColorChanged(EventArgs) ,
Control.OnParentRightToLeftChanged(EventArgs) , Control.OnParentVisibleChanged(EventArgs) ,
Control.OnPrint(PaintEventArgs) , Control.OnTabIndexChanged(EventArgs) ,
Control.OnTabStopChanged(EventArgs) , Control.OnClick(EventArgs) ,
Control.OnClientSizeChanged(EventArgs) , Control.OnControlAdded(ControlEventArgs) ,
Control.OnControlRemoved(ControlEventArgs) , Control.OnLocationChanged(EventArgs) ,
Control.OnDoubleClick(EventArgs) , Control.OnDragEnter(DragEventArgs) ,
Control.OnDragOver(DragEventArgs) , Control.OnDragLeave(EventArgs) ,
Control.OnDragDrop(DragEventArgs) , Control.OnGiveFeedback(GiveFeedbackEventArgs) ,
Control.InvokeGotFocus(Control, EventArgs) , Control.OnHelpRequested(HelpEventArgs) ,
Control.OnInvalidated(InvalidateEventArgs) , Control.OnKeyDown(KeyEventArgs) ,
Control.OnKeyPress(KeyPressEventArgs) , Control.OnKeyUp(KeyEventArgs) ,
Control.OnLeave(EventArgs) , Control.InvokeLostFocus(Control, EventArgs) ,
Control.OnLostFocus(EventArgs) , Control.OnMarginChanged(EventArgs) ,
Control.OnMouseDoubleClick(MouseEventArgs) , Control.OnMouseClick(MouseEventArgs) ,
Control.OnMouseCaptureChanged(EventArgs) , Control.OnMouseDown(MouseEventArgs) ,
Control.OnMouseEnter(EventArgs) , Control.OnMouseLeave(EventArgs) ,
Control.OnDpiChangedBeforeParent(EventArgs) , Control.OnDpiChangedAfterParent(EventArgs) ,
Control.OnMouseHover(EventArgs) , Control.OnMouseMove(MouseEventArgs) ,
Control.OnMouseUp(MouseEventArgs) ,
Control.OnQueryContinueDrag(QueryContinueDragEventArgs) ,
Control.OnRegionChanged(EventArgs) , Control.OnPreviewKeyDown(PreviewKeyDownEventArgs) ,
Control.OnSizeChanged(EventArgs) , Control.OnChangeUICues(UICuesEventArgs) ,
Control.OnSystemColorsChanged(EventArgs) , Control.OnValidating(CancelEventArgs) ,
Control.OnValidated(EventArgs) , Control.PerformLayout() , Control.PerformLayout(Control, string) ,
Control.PointToClient(Point) , Control.PointToScreen(Point) ,
Control.PreProcessMessage(ref Message) , Control.PreProcessControlMessage(ref Message) ,
Control.ProcessKeyEventArgs(ref Message) , Control.ProcessKeyMessage(ref Message) ,
Control.RaiseDragEvent(object, DragEventArgs) , Control.RaisePaintEvent(object, PaintEventArgs) ,
Control.RecreateHandle() , Control.RectangleToClient(Rectangle) ,
Control.RectangleToScreen(Rectangle) , Control.ReflectMessage(nint, ref Message) ,
Control.Refresh() , Control.ResetMouseEventArgs() , Control.ResetText() , Control.ResumeLayout() ,
Control.ResumeLayout(bool) , Control.Scale(SizeF) , Control.Select() ,
Control.SelectNextControl(Control, bool, bool, bool, bool) , Control.SendToBack() ,
Control.SetBounds(int, int, int, int) , Control.SetBounds(int, int, int, int, BoundsSpecified) ,

Control.SizeFromClientSize(Size) , Control.SetStyle(ControlStyles, bool) , Control.SetTopLevel(bool) ,
Control.RtlTranslateAlignment(HorizontalAlignment) ,
Control.RtlTranslateAlignment(LeftRightAlignment) ,
Control.RtlTranslateAlignment(ContentAlignment) ,
Control.RtlTranslateHorizontal(HorizontalAlignment) ,
Control.RtlTranslateLeftRight(LeftRightAlignment) , Control.RtlTranslateContent(ContentAlignment) ,
Control.Show() , Control.SuspendLayout() , Control.Update() , Control.UpdateBounds() ,
Control.UpdateBounds(int, int, int, int) , Control.UpdateBounds(int, int, int, int, int, int) ,
Control.UpdateZOrder() , Control.UpdateStyles() , Control.OnImeModeChanged(EventArgs) ,
Control.AccessibilityObject , Control.AccessibleDefaultActionDescription ,
Control.AccessibleDescription , Control.AccessibleName , Control.AccessibleRole ,
Control.AllowDrop , Control.Anchor , Control.AutoScrollOffset , Control.LayoutEngine ,
Control.DataContext , Control.BackgroundImage , Control.BackgroundImageLayout ,
Control.Bottom , Control.Bounds , Control.CanFocus , Control.CanRaiseEvents ,
Control.CanSelect , Control.Capture , Control.CausesValidation ,
Control.CheckForIllegalCrossThreadCalls , Control.ClientRectangle , Control.CompanyName ,
Control.ContainsFocus , Control.ContextMenuStrip , Control.Controls , Control.Created ,
Control.Cursor , Control.DataBindings , Control.DefaultBackColor , Control.DefaultCursor ,
Control.DefaultFont , Control.DefaultForeColor , Control.DefaultMargin ,
Control.DefaultMaximumSize , Control.DefaultMinimumSize , Control.DefaultPadding ,
Control.DeviceDpi , Control.IsDisposed , Control.Disposing , Control.Dock ,
Control.DoubleBuffered , Control.Enabled , Control.Focused , Control.Font ,
Control.FontHeight , Control.ForeColor , Control.Handle , Control.HasChildren , Control.Height ,
Control.IsHandleCreated , Control.InvokeRequired , Control.IsAccessible ,
Control.IsAncestorSiteInDesignMode , Control.IsMirrored , Control.Left , Control.Margin ,
Control.ModifierKeys , Control.MouseButtons , Control.MousePosition , Control.Name ,
Control.Parent , Control.ProductName , Control.ProductVersion , Control.RecreatingHandle ,
Control.Region , Control.RenderRightToLeft , Control.ResizeRedraw , Control.Right ,
Control.RightToLeft , Control.ScaleChildren , Control.Site , Control.TabIndex , Control.TabStop ,
Control.Tag , Control.Top , Control.TopLevelControl , Control.ShowKeyboardCues ,
Control.ShowFocusCues , Control.UseWaitCursor , Control.Visible , Control.Width ,
Control.PreferredSize , Control.Padding , Control.ImeMode , Control.ImeModeBase ,
Control.PropagatingImeMode , Control.BackColorChanged , Control.BackgroundImageChanged ,
Control.BackgroundImageLayoutChanged , Control.BindingContextChanged ,
Control.CausesValidationChanged , Control.ClientSizeChanged ,
Control.ContextMenuStripChanged , Control.CursorChanged , Control.DockChanged ,
Control.EnabledChanged , Control.FontChanged , Control.ForeColorChanged ,
Control.LocationChanged , Control.MarginChanged , Control.RegionChanged ,
Control.RightToLeftChanged , Control.SizeChanged , Control.TabIndexChanged ,
Control.TabStopChanged , Control.TextChanged , Control.VisibleChanged , Control.Click ,

Control.ControlAdded , Control.ControlRemoved , Control.DataContextChanged , Control.DragDrop , Control.DragEnter , Control.DragOver , Control.DragLeave , Control.GiveFeedback , Control.HandleCreated , Control.HandleDestroyed , Control.HelpRequested , Control.Invalidated , Control.PaddingChanged , Control.Paint , Control.QueryContinueDrag , Control.QueryAccessibilityHelp , Control.DoubleClick , Control.Enter , Control.GotFocus , Control.KeyDown , Control.KeyPress , Control.KeyUp , Control.Layout , Control.Leave , Control.LostFocus , Control.MouseClick , Control.MouseDoubleClick , Control.MouseCaptureChanged , Control.MouseDown , Control.MouseEnter , Control.MouseLeave , Control.DpiChangedBeforeParent , Control.DpiChangedAfterParent , Control.MouseHover , Control.MouseMove , Control.MouseUp , Control.MouseWheel , Control.Move , Control.PreviewKeyDown , Control.Resize , Control.ChangeUICues , Control.StyleChanged , Control.SystemColorsChanged , Control.Validating , Control.Validated , Control.ParentChanged , Control.ImeModeChanged , Component.Dispose() , Component.GetService(Type) , Component.Container , Component.DesignMode , Component.Events , Component.Disposed , MarshalByRefObject.GetLifetimeService() , MarshalByRefObject.InitializeLifetimeService() , MarshalByRefObject.MemberwiseClone(bool) , object.Equals(object) , object.Equals(object, object) , object.GetHashCode() , object.GetType() , object.MemberwiseClone() , object.ReferenceEquals(object, object)

Constructors

BOOSEInterpreter()

```
public BOOSEInterpreter()
```

Methods

Dispose(bool)

Clean up any resources being used.

```
protected override void Dispose(bool disposing)
```

Parameters

`disposing` bool

true if managed resources should be disposed; otherwise, false.

Namespace AppCanvasTests

Classes

CommandsTest

Unit test for the AppCanvas class.

Class CommandsTest

Namespace: AppCanvasTests

Assembly: AppCanvasTests.dll

Unit test for the AppCanvas class.

```
[TestClass]
public class CommandsTest
```

Inheritance

object ← CommandsTest

Inherited Members

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

Methods

Circle_Test_ValidRadius()

Test for / Test for Circle(int, bool) method with valid radius.

```
[TestMethod]
public void Circle_Test_ValidRadius()
```

DrawTo_Test()

Test for the AppCanvas.DrawLineTo(int, int) method with valid coordinates.

```
[TestMethod]
public void DrawTo_Test()
```

DrawTo_Test_Negative_Coords()

Test for the AppCanvas.DrawLineTo(int, int) method with negative coordinates. Exception ArgumentOutOfRangeException expected to be thrown.

```
[TestMethod]
[ExpectedException(typeof(ArgumentOutOfRangeException))]
public void DrawTo_Test_Negative_Coords()
```

MoveTo_Test()

Test for the MoveTo(int, int) method with valid coordinates.

```
[TestMethod]
public void MoveTo_Test()
```

MoveTo_Test_Negative_Coords()

Test for the MoveTo(int, int) method with negative coordinates. Exception ArgumentOutOfRangeException expected to be thrown.

```
[TestMethod]
[ExpectedException(typeof(ArgumentOutOfRangeException))]
public void MoveTo_Test_Negative_Coords()
```