

# Namespace BOOSEapp

## Classes

[AppCanvas](#)

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Provides a factory for creating application-specific command instances based on a specified command type.

[AppDrawTo](#)

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# Class AppCanvas

Namespace: [BOOSEapp](#)

Assembly: BOOSEapp.dll

```
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(int, int)

Initializes a new instance of the [AppCanvas](#) class with the specified canvas dimensions.

```
public AppCanvas(int xsize, int ysize)
```

### Parameters

**xsize** [int](#)

The width of the canvas, in pixels. Must be a positive integer.

**ysize** [int](#)

The height of the canvas, in pixels. Must be a positive integer.

### Remarks

This constructor creates a blank canvas with the specified dimensions and initializes a default blue pen for drawing. The initial drawing position is set to (0, 0).

# Properties

## PenColour

Gets or sets the color of the pen.

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

### Property Value

[object](#)

## Xpos

Gets or sets the X-coordinate position.

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

### Property Value

[int](#)

## Ypos

Gets or sets the Y-coordinate position.

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

### Property Value

[int](#)

# Methods

## Circle(int, bool)

Draws a circle following the assigned paramters.

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

Parameters

radius [int](#)

filled [bool](#)

## Clear()

```
public void Clear()
```

## DrawTo(int, int)

DrawTo command program.

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

Parameters

x [int](#)

y [int](#)

## MoveTo(int, int)

Moves the object to the specified coordinates.

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

Parameters

x [int](#)

The x-coordinate to move the object to.

**y** [int](#)

The y-coordinate to move the object to.

## Rect(int, int, bool)

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

Parameters

**width** [int](#)

**height** [int](#)

**filled** [bool](#)

Exceptions

[ArgumentException](#)

[InvalidOperationException](#)

## Reset()

```
public void Reset()
```

## Set(int, int)

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

Parameters

**width** [int](#)

**height** [int](#)

## SetColour(int, int, int)

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

### Parameters

red [int](#)

green [int](#)

blue [int](#)

## Tri(int, int)

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

### Parameters

width [int](#)

height [int](#)

## WriteText(string)

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

### Parameters

text [string](#)

## getBitmap()

Retrieves the current bitmap associated with the canvas.

```
public object getBitmap()
```

Returns

object

An object representing the current bitmap. The returned value may be null if no bitmap is set.

# Class AppCircle

Namespace: [BOOSEapp](#)

Assembly: BOOSEapp.dll

```
public class AppCircle : CommandOneParameter, ICommand
```

## Inheritance

[object](#) ← Command ← CanvasCommand ← CommandOneParameter ← AppCircle

## Implements

ICommand

## Inherited Members

CommandOneParameter.param1 , CommandOneParameter.param1unprocessed ,  
CanvasCommand.yPos , CanvasCommand.xPos , CanvasCommand.canvas , CanvasCommand.Canvas ,  
Command.IsDouble , Command.program , Command.parameterList , Command.parameters ,  
Command.paramsint , [Command.Set\(StoredProgram, string\)](#) , Command.Compile() ,  
[Command.ProcessParameters\(string\)](#) , Command.ToString() , Command.Program , Command.Name ,  
Command.ParameterList , Command.Parameters , Command.Paramsint , [object.Equals\(object\)](#) ,  
[object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#)

## Constructors

### AppCircle()

blank constructor

```
public AppCircle()
```

### AppCircle(Canvas, int)

draw from current position a circle with given radius

```
public AppCircle(Canvas c, int radius)
```

## Parameters

c Canvas

radius int ↗

## Methods

### CheckParameters(string[])

Validates the parameters provided for the Circle command.

```
public override void CheckParameters(string[] parameterList)
```

## Parameters

parameterList string[] ↗

An array of strings representing the parameters for the Circle command. The array must contain exactly one element: the radius of the circle.

## Remarks

This method ensures that the Circle command is invoked with a valid radius. The radius must be a positive integer greater than zero.

## Exceptions

CommandException

Thrown if the number of parameters is not exactly one, if the radius cannot be parsed as an integer, or if the radius is less than one.

## Execute()

Executes the circle drawing command on the canvas.

```
public override void Execute()
```

## Exceptions

### CanvasException

# Class AppCommandFactory

Namespace: [BOOSEapp](#)

Assembly: BOOSEapp.dll

Provides a factory for creating application-specific command instances based on a specified command type.

```
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\(\)](#)

## Remarks

This factory supports the creation of commands such as "circle", "rect", "moveto", "drawto", "pen", and "write". If the specified command type is not recognized, the method delegates to the base factory implementation.

## Methods

### MakeCommand(string)

Creates an instance of a command based on the specified command type.

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

#### Parameters

commandType [string](#)

A string representing the type of command to create. Supported values include "circle", "rect", "moveto", "drawto", "pen", and "write".

## Returns

### ICommand

An instance of a class implementing the BOOSE.ICommand interface that corresponds to the specified command type. If the command type is not recognized, the base implementation is invoked.

## Remarks

This method is designed to create specific command objects based on the provided `commandType`. Each supported command type corresponds to a specific implementation of the BOOSE.ICommand interface:

- "circle" creates an instance of [AppCircle](#).
- "rect" creates an instance of [AppRect](#).
- "moveto" creates an instance of [AppMoveTo](#).
- "drawto" creates an instance of [AppDrawTo](#).
- "pen" creates an instance of [AppPenColour](#).
- "write" creates an instance of [AppWrite](#).

If the command type is not recognized, the method delegates to the base implementation.

## Exceptions

### FactoryException

Thrown if the specified `commandType` is not supported and the base implementation does not handle it.

# Class AppDrawTo

Namespace: [BOOSEapp](#)

Assembly: BOOSEapp.dll

```
public class AppDrawTo : CommandTwoParameters, ICommand
```

## Inheritance

[object](#) ← Command ← CanvasCommand ← CommandOneParameter ← CommandTwoParameters ← AppDrawTo

## Implements

ICommand

## Inherited Members

CommandTwoParameters.param2 , CommandTwoParameters.param2unprocessed ,  
[CommandTwoParameters.CheckParameters\(string\[\]\)](#) , CommandOneParameter.param1 ,  
CommandOneParameter.param1unprocessed , CanvasCommand.yPos , CanvasCommand.xPos ,  
CanvasCommand.canvas , CanvasCommand.Canvas , Command.IsDouble , Command.program ,  
Command.parameterList , Command.parameters , Command.paramsint ,  
[Command.Set\(StoredProgram, string\)](#) , Command.Compile() , [Command.ProcessParameters\(string\)](#) ,  
Command.ToString() , Command.Program , Command.Name , Command.ParameterList ,  
Command.Parameters , Command.Paramsint , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) ,  
[object.ReferenceEquals\(object, object\)](#)

## Constructors

### AppDrawTo()

blank constructor

```
public AppDrawTo()
```

### AppDrawTo(Canvas, int, int)

Initializes a new instance of the [AppDrawTo](#) class with the specified canvas and position.

```
public AppDrawTo(Canvas c, int x, int y)
```

## Parameters

c Canvas

The BOOSE.Canvas object on which the drawing operations will be performed.

x int ↗

The x-coordinate of the initial position.

y int ↗

The y-coordinate of the initial position.

## Methods

### Execute()

Executes the drawing operation by drawing a line from the current canvas position to the specified coordinates.

```
public override void Execute()
```

## Remarks

This method retrieves the target coordinates from the integer parameters and performs the drawing operation. If the parameters contain double values, an exception is thrown to indicate invalid input.

## Exceptions

CanvasException

Thrown if the parameters contain double values, as only integer coordinates are supported.

# Class AppMoveTo

Namespace: [BOOSEapp](#)

Assembly: BOOSEapp.dll

```
public class AppMoveTo : CommandTwoParameters, ICommand
```

## Inheritance

[object](#) ← Command ← CanvasCommand ← CommandOneParameter ← CommandTwoParameters ← AppMoveTo

## Implements

ICommand

## Inherited Members

CommandTwoParameters.param2 , CommandTwoParameters.param2unprocessed ,  
[CommandTwoParameters.CheckParameters\(string\[\]\)](#) , CommandOneParameter.param1 ,  
CommandOneParameter.param1unprocessed , CanvasCommand.yPos , CanvasCommand.xPos ,  
CanvasCommand.canvas , CanvasCommand.Canvas , Command.IsDouble , Command.program ,  
Command.parameterList , Command.parameters , Command.paramsint ,  
[Command.Set\(StoredProgram, string\)](#) , Command.Compile() , [Command.ProcessParameters\(string\)](#) ,  
Command.ToString() , Command.Program , Command.Name , Command.ParameterList ,  
Command.Parameters , Command.Paramsint , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) ,  
[object.ReferenceEquals\(object, object\)](#)

## Constructors

### AppMoveTo()

Blank constructor.

```
public AppMoveTo()
```

### AppMoveTo(AppCanvas, int, int)

Set xPos and yPos parameters.

```
public AppMoveTo(AppCanvas c, int xPos, int yPos)
```

## Parameters

c [AppCanvas](#)

xPos [int](#)

yPos [int](#)

## Methods

### Execute()

Execute the command.

```
public override void Execute()
```

## Exceptions

CanvasException

# Class AppPenColour

Namespace: [BOOSEapp](#)

Assembly: BOOSEapp.dll

```
public class AppPenColour : CommandThreeParameters, ICommand
```

## Inheritance

[object](#) ← Command ← CanvasCommand ← CommandOneParameter ← CommandTwoParameters ← CommandThreeParameters ← AppPenColour

## Implements

ICommand

## Inherited Members

CommandThreeParameters.param3 , CommandThreeParameters.param3unprocessed ,  
[CommandThreeParameters.CheckParameters\(string\[\]\)](#) , CommandTwoParameters.param2 ,  
CommandTwoParameters.param2unprocessed , CommandOneParameter.param1 ,  
CommandOneParameter.param1unprocessed , CanvasCommand.yPos , CanvasCommand.xPos ,  
CanvasCommand.canvas , CanvasCommand.Canvas , Command.IsTrue , Command.program ,  
Command.parameterList , Command.parameters , Command.paramsint ,  
[Command.Set\(StoredProgram, string\)](#) , Command.Compile() , [Command.ProcessParameters\(string\)](#) ,  
Command.ToString() , Command.Program , Command.Name , Command.ParameterList ,  
Command.Parameters , Command.Paramsint , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) ,  
[object.ReferenceEquals\(object, object\)](#)

## Constructors

### AppPenColour()

blank constructor

```
public AppPenColour()
```

### AppPenColour(Canvas, int, int, int)

Initializes a new instance of the [AppPenColour](#) class with the specified canvas and RGB color values.

```
public AppPenColour(Canvas c, int r, int g, int b)
```

## Parameters

c [Canvas](#)

The canvas to which the pen color will be applied.

r [int](#)

The red component of the color. Must be in the range 0 to 255.

g [int](#)

The green component of the color. Must be in the range 0 to 255.

b [int](#)

The blue component of the color. Must be in the range 0 to 255.

## Remarks

The RGB values define the color of the pen, which will be used to draw on the specified canvas.

# Methods

## Execute()

executes the pen colour change command on the canvas.

```
public override void Execute()
```

## Exceptions

[CanvasException](#)

# Class AppRect

Namespace: [BOOSEapp](#)

Assembly: BOOSEapp.dll

```
public class AppRect : CommandTwoParameters, ICommand
```

## Inheritance

[object](#) ← Command ← CanvasCommand ← CommandOneParameter ← CommandTwoParameters ← AppRect

## Implements

ICommand

## Inherited Members

CommandTwoParameters.param2 , CommandTwoParameters.param2unprocessed ,  
[CommandTwoParameters.CheckParameters\(string\[\]\)](#) , CommandOneParameter.param1 ,  
CommandOneParameter.param1unprocessed , CanvasCommand.yPos , CanvasCommand.xPos ,  
CanvasCommand.canvas , CanvasCommand.Canvas , Command.IsDouble , Command.program ,  
Command.parameterList , Command.parameters , Command.paramsint ,  
[Command.Set\(StoredProgram, string\)](#) , Command.Compile() , [Command.ProcessParameters\(string\)](#) ,  
Command.ToString() , Command.Program , Command.Name , Command.ParameterList ,  
Command.Parameters , Command.Paramsint , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) ,  
[object.ReferenceEquals\(object, object\)](#)

## Constructors

### AppRect()

blank constructor

```
public AppRect()
```

### AppRect(Canvas, int, int)

Initializes a new instance of the [AppRect](#) class with the specified canvas, width, and height.

```
public AppRect(Canvas c, int width, int height)
```

## Parameters

c Canvas

The BOOSE.Canvas on which the rectangle will be drawn.

width int

The width of the rectangle. Must be a positive integer.

height int

The height of the rectangle. Must be a positive integer.

## Remarks

This constructor sets the dimensions of the rectangle and associates it with the specified canvas.

## Fields

height

```
protected int height
```

Field Value

int

width

```
protected int width
```

Field Value

int

# Methods

## Execute()

executes the rectangle drawing command on the canvas.

```
public override void Execute()
```

## Exceptions

CanvasException

# Class AppWrite

Namespace: [BOOSEapp](#)

Assembly: BOOSEapp.dll

```
public class AppWrite : CommandOneParameter, ICommand
```

## Inheritance

[object](#) ← Command ← CanvasCommand ← CommandOneParameter ← AppWrite

## Implements

ICommand

## Inherited Members

CommandOneParameter.param1 , CommandOneParameter.param1unprocessed ,  
CanvasCommand.yPos , CanvasCommand.xPos , CanvasCommand.canvas , CanvasCommand.Canvas ,  
Command.IsDouble , Command.program , Command.parameterList , Command.parameters ,  
Command.paramsint , [Command.Set\(StoredProgram, string\)](#) , Command.Compile() ,  
[Command.ProcessParameters\(string\)](#) , Command.ToString() , Command.Program , Command.Name ,  
Command.ParameterList , Command.Parameters , Command.Paramsint , [object.Equals\(object\)](#) ,  
[object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#)

## Constructors

### AppWrite()

```
public AppWrite()
```

### AppWrite(Canvas, string)

```
public AppWrite(Canvas c, string text)
```

## Parameters

c Canvas

text string ↴

## Methods

CheckParameters(string[])

```
public override void CheckParameters(string[] parameterList)
```

Parameters

parameterList string ↴[]

Execute()

```
public override void Execute()
```

# Class Form1

Namespace: [BOOSEapp](#)

Assembly: BOOSEapp.dll

```
public class Form1 : Form, IDropTarget, ISynchronizeInvoke, IWin32Window,  
IBindableComponent, IComponent, IDisposable, IContainerControl
```

## Inheritance

```
object ↩ ← MarshalByRefObject ↩ ← Component ↩ ← Control ↩ ← ScrollableControl ↩ ←  
ContainerControl ↩ ← Form ↩ ← Form1
```

## 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.ScaleMinAxisSize\(float, float, bool\)](#) ,  
[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.PerformLayout\(\)](#) , [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.OnInvalidate\(InvalidEventArgs\)](#) , [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

### Form1()

```
public Form1()
```

## 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.

# Class Program

Namespace: [BOOSEapp](#)

Assembly: BOOSEapp.dll

```
public static class Program
```

## Inheritance

[object](#) ← Program

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)