**HopfieldRecognizer**

**Namespaces**

HopfieldRecognizer

**HopfieldRecognizer Namespace**

**Forms**

frmAddDistortion

, frmMain

**frmAddDistortion Class**

[System.Object](http://msdn.microsoft.com/en-us/library/system.object.aspx)

[System.MarshalByRefObject](http://msdn.microsoft.com/en-us/library/system.marshalbyrefobject.aspx)

[System.ComponentModel.Component](http://msdn.microsoft.com/en-us/library/system.componentmodel.component.aspx)

[System.Windows.Forms.Control](http://msdn.microsoft.com/en-us/library/system.windows.forms.control.aspx)

[System.Windows.Forms.ScrollableControl](http://msdn.microsoft.com/en-us/library/system.windows.forms.scrollablecontrol.aspx)

[System.Windows.Forms.ContainerControl](http://msdn.microsoft.com/en-us/library/system.windows.forms.containercontrol.aspx)

[System.Windows.Forms.Form](http://msdn.microsoft.com/en-us/library/system.windows.forms.form.aspx)

**HopfieldRecognizer.frmAddDistortion**

|  |  |
| --- | --- |
| **C#** |  |
| public class frmAddDistortion : [Form](http://msdn.microsoft.com/en-us/library/system.windows.forms.form.aspx) | |

**Requirements**

**Namespace:**HopfieldRecognizer

**Assembly:** HopfieldRecognizer (in HopfieldRecognizer.exe)

**Constructors**

frmAddDistortion

**frmAddDistortion Constructor**

|  |  |
| --- | --- |
| **C#** |  |
| public frmAddDistortion() | |

**See Also**

Applies to: frmAddDistortion

**frmAddDistortion.btnSetDistortionLevel\_Click Method**

|  |  |
| --- | --- |
| **C#** |  |
| private [void](http://msdn.microsoft.com/en-us/library/system.void.aspx) btnSetDistortionLevel\_Click(  [object](http://msdn.microsoft.com/en-us/library/system.object.aspx) *sender*,  [EventArgs](http://msdn.microsoft.com/en-us/library/system.eventargs.aspx) *e* ) | |

**Parameters**

*sender*

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|  |

*e*

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**See Also**

Applies to: frmAddDistortion

**frmAddDistortion.nudDistortionLevel\_KeyPress Method**

|  |  |
| --- | --- |
| **C#** |  |
| private [void](http://msdn.microsoft.com/en-us/library/system.void.aspx) nudDistortionLevel\_KeyPress(  [object](http://msdn.microsoft.com/en-us/library/system.object.aspx) *sender*,  [KeyPressEventArgs](http://msdn.microsoft.com/en-us/library/system.windows.forms.keypresseventargs.aspx) *e* ) | |

**Parameters**

*sender*

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*e*

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**See Also**

Applies to: frmAddDistortion

**frmAddDistortion.nudDistortionLevel\_ValueChanged Method**

|  |  |
| --- | --- |
| **C#** |  |
| private [void](http://msdn.microsoft.com/en-us/library/system.void.aspx) nudDistortionLevel\_ValueChanged(  [object](http://msdn.microsoft.com/en-us/library/system.object.aspx) *sender*,  [EventArgs](http://msdn.microsoft.com/en-us/library/system.eventargs.aspx) *e* ) | |

**Parameters**

*sender*

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*e*

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**See Also**

Applies to: frmAddDistortion

**frmMain Class**

[System.Object](http://msdn.microsoft.com/en-us/library/system.object.aspx)

[System.MarshalByRefObject](http://msdn.microsoft.com/en-us/library/system.marshalbyrefobject.aspx)

[System.ComponentModel.Component](http://msdn.microsoft.com/en-us/library/system.componentmodel.component.aspx)

[System.Windows.Forms.Control](http://msdn.microsoft.com/en-us/library/system.windows.forms.control.aspx)

[System.Windows.Forms.ScrollableControl](http://msdn.microsoft.com/en-us/library/system.windows.forms.scrollablecontrol.aspx)

[System.Windows.Forms.ContainerControl](http://msdn.microsoft.com/en-us/library/system.windows.forms.containercontrol.aspx)

[System.Windows.Forms.Form](http://msdn.microsoft.com/en-us/library/system.windows.forms.form.aspx)

**HopfieldRecognizer.frmMain**

|  |  |
| --- | --- |
| **C#** |  |
| public class frmMain : [Form](http://msdn.microsoft.com/en-us/library/system.windows.forms.form.aspx) | |

**Requirements**

**Namespace:**HopfieldRecognizer

**Assembly:** HopfieldRecognizer (in HopfieldRecognizer.exe)

**Constructors**

frmMain

|  |
| --- |
| public frmMain() |

**See Also**

Applies to: frmMain

**frmMain.AddPatternBut\_Click Method**

Button to add pattern

|  |  |
| --- | --- |
| **C#** |  |
| private [void](http://msdn.microsoft.com/en-us/library/system.void.aspx) AddPatternBut\_Click(  [object](http://msdn.microsoft.com/en-us/library/system.object.aspx) *sender*,  [EventArgs](http://msdn.microsoft.com/en-us/library/system.eventargs.aspx) *e* ) | |

**Parameters**

*sender*

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|  |

*e*

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**See Also**

Applies to: frmMain

**frmMain.CreateNNBut\_Click Method**

This enables the add pattern button to add the pattern

|  |  |
| --- | --- |
| **C#** |  |
| private [void](http://msdn.microsoft.com/en-us/library/system.void.aspx) CreateNNBut\_Click(  [object](http://msdn.microsoft.com/en-us/library/system.object.aspx) *sender*,  [EventArgs](http://msdn.microsoft.com/en-us/library/system.eventargs.aspx) *e* ) | |

**Parameters**

*sender*

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*e*

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**See Also**

Applies to: frmMain

**frmMain.HopfieldRecognizerMainForm\_Load Method**

|  |  |
| --- | --- |
| **C#** |  |
| private [void](http://msdn.microsoft.com/en-us/library/system.void.aspx) HopfieldRecognizerMainForm\_Load(  [object](http://msdn.microsoft.com/en-us/library/system.object.aspx) *sender*,  [EventArgs](http://msdn.microsoft.com/en-us/library/system.eventargs.aspx) *e* ) | |

**Parameters**

*sender*

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*e*

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**See Also**

Applies to: frmMain

**frmMain.NN\_EnergyChanged Method**

|  |  |
| --- | --- |
| **C#** |  |
| private [void](http://msdn.microsoft.com/en-us/library/system.void.aspx) NN\_EnergyChanged(  [object](http://msdn.microsoft.com/en-us/library/system.object.aspx) *sender*,  **EnergyEventArgs** *e* ) | |

**Parameters**

*sender*

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|  |

*e*

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**See Also**

Applies to: frmMain

**frmMain.RunDynamicsBut\_Click Method**

Button that does the work

|  |  |
| --- | --- |
| **C#** |  |
| private [void](http://msdn.microsoft.com/en-us/library/system.void.aspx) RunDynamicsBut\_Click(  [object](http://msdn.microsoft.com/en-us/library/system.object.aspx) *sender*,  [EventArgs](http://msdn.microsoft.com/en-us/library/system.eventargs.aspx) *e* ) | |

**Parameters**

*sender*

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*e*

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**See Also**

Applies to: frmMain

**frmMain.UpdatePropertiesPB Method**

|  |  |
| --- | --- |
| **C#** |  |
| private [void](http://msdn.microsoft.com/en-us/library/system.void.aspx) UpdatePropertiesPB() | |

**See Also**

Applies to: frmMain

**frmMain.im\_Click Method**

this button show dialog to select level of distortion

|  |  |
| --- | --- |
| **C#** |  |
| private [void](http://msdn.microsoft.com/en-us/library/system.void.aspx) im\_Click(  [object](http://msdn.microsoft.com/en-us/library/system.object.aspx) *sender*,  [EventArgs](http://msdn.microsoft.com/en-us/library/system.eventargs.aspx) *e* ) | |

**Parameters**

*sender*

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*e*

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**See Also**

Applies to: frmMain