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Namespace OutlawEngine

Classes

Camera

Im Gui Controller

Shader

Texture

TextureAtlas

Class Camera

Inheritance

System.Object

Camera

Inherited Members

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

System. Object. Reference Equals (System. Object, System. Object)

System.Object.ToString()

Namespace: OutlawEngine
Assembly: OutlawEngine.dll

Syntax

public class Camera

Constructors

Camera(Vector3, Single)

Declaration

public Camera(Vector3 position, float aspectRatio)

Parameters

ТҮРЕ	NAME	DESCRIPTION
OpenTK.Mathematics.Vector3	position	
System.Single	aspectRatio	

Properties

AspectRatio

Declaration

public float AspectRatio { set; }

Property Value

ТҮРЕ	DESCRIPTION
System.Single	

Fov

Declaration

public float Fov { get; set; }

Property Value

ТҮРЕ	DESCRIPTION
System.Single	

Front

Declaration

```
public Vector3 Front { get; }
```

Property Value

ТҮРЕ	DESCRIPTION
OpenTK.Mathematics.Vector3	

Pitch

Declaration

```
public float Pitch { get; set; }
```

Property Value

ТҮРЕ	DESCRIPTION
System.Single	

Position

Declaration

```
public Vector3 Position { get; set; }
```

Property Value

ТҮРЕ	DESCRIPTION
OpenTK.Mathematics.Vector3	

Right

Declaration

```
public Vector3 Right { get; }
```

Property Value

ТҮРЕ	DESCRIPTION
OpenTK.Mathematics.Vector3	

Up

Declaration

```
public Vector3 Up { get; }
```

Property Value

ТҮРЕ	DESCRIPTION
OpenTK.Mathematics.Vector3	

Yaw

Declaration

public float Yaw { get; set; }

Property Value

ТҮРЕ	DESCRIPTION
System.Single	

Methods

${\sf GetProjectionMatrix}()$

Declaration

public Matrix4 GetProjectionMatrix()

Returns

ТҮРЕ	DESCRIPTION
OpenTK.Mathematics.Matrix4	

GetViewMatrix()

Declaration

public Matrix4 GetViewMatrix()

Returns

ТҮРЕ		DESCRIPTION
Oper	nTK.Mathematics.Matrix4	

Class ImGuiController

Inheritance

System.Object

ImGuiController

Implements

System.IDisposable

Inherited Members

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.ToString()

Namespace: OutlawEngine
Assembly: OutlawEngine.dll

Syntax

public class ImGuiController : IDisposable

Constructors

ImGuiController(Int32, Int32)

Constructs a new ImGuiController.

Declaration

public ImGuiController(int width, int height)

Parameters

ТҮРЕ	NAME	DESCRIPTION
System.Int32	width	
System.Int32	height	

Methods

CheckGLError(String)

Declaration

public static void CheckGLError(string title)

Parameters

ТҮРЕ	NAME	DESCRIPTION
System.String	title	

CreateDeviceResources()

Declaration

public void CreateDeviceResources()

CreateProgram(String, String, String)

Declaration

public static int CreateProgram(string name, string vertexSource, string fragmentSoruce)

Parameters

ТҮРЕ	NAME	DESCRIPTION
System.String	name	
System.String	vertexSource	
System.String	fragmentSoruce	

Returns

ТҮРЕ	DESCRIPTION
System.Int32	

DestroyDeviceObjects()

Declaration

public void DestroyDeviceObjects()

Dispose()

Frees all graphics resources used by the renderer.

Declaration

public void Dispose()

LabelObject(ObjectLabelIdentifier, Int32, String)

Declaration

public static void LabelObject(ObjectLabelIdentifier objLabelIdent, int glObject, string name)

Parameters

ТҮРЕ	NAME	DESCRIPTION
OpenTK.Graphics.OpenGL4.ObjectLabelIdentifier	objLabelIdent	
System.Int32	glObject	
System.String	name	

PressChar(Char)

Declaration

public void PressChar(char keyChar)

Parameters

ТУРЕ	NAME	DESCRIPTION
System.Char	keyChar	

RecreateFontDeviceTexture()

Recreates the device texture used to render text.

Declaration

public void RecreateFontDeviceTexture()

Render()

Renders the ImGui draw list data.

Declaration

public void Render()

Update(GameWindow, Single)

Updates ImGui input and IO configuration state.

Declaration

public void Update(GameWindow wnd, float deltaSeconds)

Parameters

ТҮРЕ	NAME	DESCRIPTION
OpenTK. Windowing. Desktop. Game Window	wnd	
System.Single	deltaSeconds	

WindowResized(Int32, Int32)

Declaration

public void WindowResized(int width, int height)

Parameters

ТҮРЕ	NAME	DESCRIPTION
System.Int32	width	
System.Int32	height	

Implements

System.IDisposable

Class Shader

Inheritance

System.Object

Shader

Inherited Members

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

System. Object. Reference Equals (System. Object, System. Object)

System.Object.ToString()

Namespace: OutlawEngine
Assembly: OutlawEngine.dll

Syntax

public class Shader

Constructors

Shader(String, String)

Declaration

public Shader(string vertPath, string fragPath)

Parameters

ТҮРЕ	NAME	DESCRIPTION
System.String	vertPath	
System.String	fragPath	

Fields

Handle

Declaration

public readonly int Handle

Field Value

ТҮРЕ	DESCRIPTION
System.Int32	

Methods

GetAttribLocation(String)

Declaration

public int GetAttribLocation(string attribName)

ТҮРЕ	NAME	DESCRIPTION
System.String	attribName	

Returns

ТҮРЕ	DESCRIPTION
System.Int32	

SetFloat(String, Single)

Set a uniform float on this shader.

Declaration

public void SetFloat(string name, float data)

Parameters

ТУРЕ	NAME	DESCRIPTION
System.String	name	The name of the uniform
System.Single	data	The data to set

SetInt(String, Int32)

Set a uniform int on this shader.

Declaration

public void SetInt(string name, int data)

Parameters

ТҮРЕ	NAME	DESCRIPTION
System.String	name	The name of the uniform
System.Int32	data	The data to set

SetMatrix4(String, Matrix4)

Set a uniform Matrix4 on this shader

Declaration

public void SetMatrix4(string name, Matrix4 data)

ТҮРЕ	NAME	DESCRIPTION
System.String	name	The name of the uniform
OpenTK.Mathematics.Matrix4	data	The data to set

Remarks

The matrix is transposed before being sent to the shader.

SetVector3(String, Vector3)

Set a uniform Vector3 on this shader.

Declaration

public void SetVector3(string name, Vector3 data)

Parameters

ТҮРЕ	NAME	DESCRIPTION
System.String	name	The name of the uniform
OpenTK.Mathematics.Vector3	data	The data to set

Use()

Declaration

public void Use()

Class Texture

Inheritance

System.Object

Texture

Inherited Members

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

System. Object. Reference Equals (System. Object, System. Object)

System.Object.ToString()

Namespace: OutlawEngine
Assembly: OutlawEngine.dll

Syntax

public class Texture

Constructors

Texture(Int32)

Declaration

public Texture(int glHandle)

Parameters

ТҮРЕ	NAME	DESCRIPTION
System.Int32	glHandle	

Fields

Handle

Declaration

public readonly int Handle

Field Value

ТҮРЕ	DESCRIPTION
System.Int32	

Methods

LoadFromFile(String)

Declaration

public static Texture LoadFromFile(string path)

ТУРЕ	NAME	DESCRIPTION
System.String	path	

Returns

ТҮРЕ	DESCRIPTION
Texture	

Use(TextureUnit)

Declaration

public void Use(TextureUnit unit)

ТҮРЕ	NAME	DESCRIPTION
OpenTK.Graphics.OpenGL4.TextureUnit	unit	

Class TextureAtlas

Inheritance

System.Object

TextureAtlas

Inherited Members

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

System. Object. Reference Equals (System. Object, System. Object)

System.Object.ToString()

Namespace: OutlawEngine
Assembly: OutlawEngine.dll

Syntax

public class TextureAtlas

Methods

IdtoCord(Int32, Int32)

Declaration

public static float[] IdtoCord(int id, int f = 0)

Parameters

ТҮРЕ	NAME	DESCRIPTION
System.Int32	id	
System.Int32	f	

Returns

ТҮРЕ	DESCRIPTION
System.Single[]	

Namespace OutlawEngine.renderer

Classes

render

Class render

Inheritance

System.Object

render

Inherited Members

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

System. Object. Reference Equals (System. Object, System. Object)

System.Object.ToString()

Namespace: OutlawEngine.renderer

Assembly: Outlaw Engine.d II

Syntax

public static class render

Methods

Render(Shader, Texture, Int32, Vector3, Single[])

Declaration

public static void Render(Shader _shader, Texture _texture, int vao, Vector3 position, float[] vertice)

raiameters		
ТҮРЕ	NAME	DESCRIPTION
Shader	_shader	
Texture	_texture	
System.Int32	vao	
OpenTK.Mathematics.Vector3	position	
System.Single[]	vertice	

Namespace Vox_Populi

Classes

Chunk

Chunk_Manager

Message Extensions

player

Program

Utils

Window

Class Chunk

Inheritance

System.Object

Chunk

Inherited Members

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

System. Object. Reference Equals (System. Object, System. Object)

System.Object.ToString()

Namespace: Vox_Populi
Assembly: Vox__Populi.dll

Syntax

public class Chunk

Constructors

Chunk(Int16[], Int32, Int32)

Declaration

public Chunk(short[] blocks, int xx, int yy)

Parameters

ТҮРЕ	NAME	DESCRIPTION
System.Int16[]	blocks	
System.Int32	xx	
System.Int32	уу	

Fields

changed

Declaration

public bool changed

Field Value

ТҮРЕ	DESCRIPTION
System.Boolean	

m_block

Declaration

public short[] m_block

Field Value

ТҮРЕ	DESCRIPTION
System.Int16[]	

Χ

Declaration

public int x

Field Value

ТҮРЕ	DESCRIPTION
System.Int32	

У

Declaration

public int y

Field Value

ТҮРЕ	DESCRIPTION
System.Int32	

Methods

createmesh(Shader, Vector2)

Declaration

public int createmesh(Shader _shader, Vector2 id)

Parameters

ТҮРЕ	NAME	DESCRIPTION
Shader	_shader	
OpenTK.Mathematics.Vector2	id	

Returns

ТҮРЕ	DESCRIPTION
System.Int32	

Render(Shader, Texture)

Declaration

public void Render(Shader _shader, Texture _texture)

ТУРЕ	NAME	DESCRIPTION
Shader	_shader	
Texture	_texture	

Class Chunk_Manager

Inheritance

System.Object

Chunk_Manager

Inherited Members

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

System. Object. Reference Equals (System. Object, System. Object)

System.Object.ToString()

Namespace: Vox_Populi
Assembly: Vox__Populi.dll

Syntax

public static class Chunk_Manager

Fields

clist

Declaration

public static List<Chunk> clist

Field Value

ТҮРЕ	DESCRIPTION
List <chunk></chunk>	

countvert

Declaration

public static int countvert

Field Value

ТҮРЕ	DESCRIPTION
System.Int32	

render_distance

Declaration

public static int render_distance

Field Value

ТҮРЕ	DESCRIPTION
System.Int32	

Methods

getchunk(Int32, Int32)

Declaration

<pre>public static int getchunk(int x</pre>	int y)	
---	--------	--

Parameters

ТҮРЕ	NAME	DESCRIPTION
System.Int32	х	
System.Int32	у	

Returns

ТҮРЕ	DESCRIPTION
System.Int32	

RenderChunk(Shader, Texture)

Declaration

public static void RenderChunk(Shader _shader, Texture _texture)

Parameters

ТҮРЕ	NAME	DESCRIPTION
Shader	_shader	
Texture	_texture	

Update(Shader)

Declaration

public static void Update(Shader _shader)

ТҮРЕ	NAME	DESCRIPTION
Shader	_shader	

Class MessageExtensions

Inheritance

System.Object

MessageExtensions

Inherited Members

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.ToString()

Namespace: Vox_Populi
Assembly: Vox__Populi.dll

Syntax

public static class MessageExtensions

Methods

Add(Message, Quaternion)

Declaration

public static Message Add(this Message message, Quaternion value)

Parameters

ТҮРЕ	NAME	DESCRIPTION
Riptide. Message	message	
OpenTK.Mathematics.Quaternion	value	

Returns

Т	ГУРЕ	DESCRIPTION
F	Riptide. Message	

Remarks

This method is simply an alternative way of calling AddQuaternion(Message, Quaternion).

Add(Message, Vector2)

Declaration

public static Message Add(this Message message, Vector2 value)

ТҮРЕ	NAME	DESCRIPTION
Riptide.Message	message	

ТҮРЕ	NAME	DESCRIPTION
OpenTK.Mathematics.Vector2	value	

Returns

ТҮРЕ	DESCRIPTION
Riptide.Message	

Remarks

This method is simply an alternative way of calling AddVector2(Message, Vector2).

Add(Message, Vector3)

Declaration

public static Message Add(this Message message, Vector3 value)

Parameters

ТҮРЕ	NAME	DESCRIPTION
Riptide.Message	message	
OpenTK.Mathematics.Vector3	value	

Returns

ТҮРЕ	DESCRIPTION
Riptide.Message	

Remarks

This method is simply an alternative way of calling AddVector2(Message, Vector2).

AddQuaternion(Message, Quaternion)

Adds a OpenTK.Mathematics.Quaternion to the message.

Declaration

public static Message AddQuaternion(this Message message, Quaternion value)

Parameters

ТҮРЕ	NAME	DESCRIPTION
Riptide.Message	message	
OpenTK.Mathematics.Quaternion	value	The OpenTK.Mathematics.Quaternion to add.

Returns

ТҮРЕ	DESCRIPTION

ТҮРЕ	DESCRIPTION
Riptide. Message	The message that the OpenTK.Mathematics.Quaternion was added to.

AddVector2(Message, Vector2)

Adds a OpenTK.Mathematics.Vector2 to the message.

Declaration

public static Message AddVector2(this Message message, Vector2 value)

Parameters

ТҮРЕ	NAME	DESCRIPTION
Riptide.Message	message	
OpenTK.Mathematics.Vector2	value	The OpenTK.Mathematics.Vector2 to add.

Returns

ТУРЕ	DESCRIPTION
Riptide. Message	The message that the OpenTK.Mathematics.Vector2 was added to.

AddVector3(Message, Vector3)

 $Adds\ a\ OpenTK. Mathematics. Vector 2\ to\ the\ message.$

Declaration

public static Message AddVector3(this Message message, Vector3 value)

Parameters

ТУРЕ	NAME	DESCRIPTION
Riptide.Message	message	
OpenTK.Mathematics.Vector3	value	The OpenTK.Mathematics.Vector2 to add.

Returns

ТҮРЕ	DESCRIPTION
Riptide. Message	The message that the OpenTK.Mathematics.Vector2 was added to.

GetQuaternion(Message)

Retrieves a OpenTK.Mathematics.Quaternion from the message.

Declaration

public static Quaternion GetQuaternion(this Message message)

Parameters

ТҮРЕ	NAME	DESCRIPTION
Riptide.Message	message	

Returns

ТҮРЕ	DESCRIPTION
OpenTK.Mathematics.Quaternion	The OpenTK.Mathematics.Quaternion that was retrieved.

GetVector2(Message)

Retrieves a OpenTK.Mathematics.Vector2 from the message.

Declaration

public static Vector2 GetVector2(this Message message)

Parameters

ТУРЕ	NAME	DESCRIPTION
Riptide.Message	message	

Returns

ТҮРЕ	DESCRIPTION
OpenTK.Mathematics.Vector2	The OpenTK.Mathematics.Vector2 that was retrieved.

GetVector3(Message)

 $Retrieves\ a\ OpenTK. Mathematics. Vector 2\ from\ the\ message.$

Declaration

public static Vector3 GetVector3(this Message message)

Parameters

ТҮРЕ	NAME	DESCRIPTION
Riptide.Message	message	

Returns

ТҮРЕ	DESCRIPTION
OpenTK.Mathematics.Vector3	The OpenTK.Mathematics.Vector2 that was retrieved.

Class player

Inheritance

System.Object

player

Inherited Members

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

System. Object. Reference Equals (System. Object, System. Object)

System.Object.ToString()

Namespace: Vox_Populi

Assembly: Vox_Populi_lib.dll

Syntax

public class player

Constructors

player(Int32, String, Shader)

Declaration

public player(int id, string name, Shader shader)

Parameters

ТУРЕ	NAME	DESCRIPTION
System.Int32	id	
System.String	name	
Shader	shader	

Fields

_shader

Declaration

public Shader _shader

Field Value

ТҮРЕ	DESCRIPTION
Shader	

id

Declaration

public int id

Field Value

ТУРЕ	DESCRIPTION
System.Int32	

name

Declaration

public string name

Field Value

ТҮРЕ	DESCRIPTION
System.String	

position

Declaration

public Vector3 position

Field Value

ТҮРЕ	DESCRIPTION
OpenTK.Mathematics.Vector3	

speed

Declaration

public float speed

Field Value

ТҮРЕ	DESCRIPTION
System.Single	

tex

Declaration

public Texture tex

Field Value

ТҮРЕ	DESCRIPTION
Texture	

vao

Declaration

public int vao

Field Value

ТҮРЕ	DESCRIPTION
System.Int32	

vbo

Declaration

public int vbo

Field Value

ТҮРЕ	DESCRIPTION
System.Int32	

Methods

render()

Declaration

public void render()

Class Program

Inheritance

System.Object

Program

Inherited Members

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System. Object. Get Hash Code ()

System.Object.GetType()

System.Object.MemberwiseClone()

System. Object. Reference Equals (System. Object, System. Object)

System.Object.ToString()

Namespace: Vox_Populi
Assembly: Vox__Populi.dll

Syntax

public static class Program

Fields

window

Declaration

public static Window window

Field Value

ТҮРЕ	DESCRIPTION
Window	

Class Utils

Inheritance

System.Object

Utils

Inherited Members

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

System. Object. Reference Equals (System. Object, System. Object)

System.Object.ToString()

Namespace: Vox_Populi
Assembly: Vox__Populi.dll

Syntax

public static class Utils

Methods

bytestoints(Byte[])

Declaration

public static short[] bytestoints(byte[] input)

Parameters

ТҮРЕ	NAME	DESCRIPTION
System.Byte[]	input	

Returns

ТҮРЕ	DESCRIPTION
System.Int16[]	

Decompress(Byte[])

Declaration

public static byte[] Decompress(byte[] data)

Parameters

ТУРЕ	NAME	DESCRIPTION
System.Byte[]	data	

Returns

ТҮРЕ	DESCRIPTION
System.Byte[]	

Class Window

Inheritance

System.Object

OpenTK.Windowing.Desktop.NativeWindow

OpenTK.Windowing.Desktop.GameWindow

Window

Implements

System.IDisposable

Inherited Members

OpenTK.Windowing.Desktop.GameWindow.Run()

OpenTK.Windowing.Desktop.GameWindow.SwapBuffers()

OpenTK.Windowing.Desktop.GameWindow.Close()

OpenTK.Windowing.Desktop.GameWindow.OnRenderThreadStarted()

OpenTK.Windowing.Desktop.GameWindow.OnUnload()

OpenTK.Windowing.Desktop.GameWindow.IsRunningSlowly

OpenTK.Windowing.Desktop.GameWindow.IsMultiThreaded

OpenTK.Windowing.Desktop.GameWindow.RenderFrequency

OpenTK.Windowing.Desktop.GameWindow.RenderTime

OpenTK.Windowing.Desktop.GameWindow.UpdateTime

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OpenTK.Windowing.Desktop.GameWindow.Load

OpenTK.Windowing.Desktop.GameWindow.Unload

OpenTK.Windowing.Desktop.GameWindow.UpdateFrame

Open TK. Windowing. Desktop. Game Window. Render Thread Started

OpenTK.Windowing.Desktop.GameWindow.RenderFrame

OpenTK.Windowing.Desktop.NativeWindow.Focus()

OpenTK.Windowing.Desktop.NativeWindow.MakeCurrent()

OpenTK.Windowing.Desktop.NativeWindow.ProcessEvents(System.Double)

OpenTK.Windowing.Desktop.NativeWindow.ProcessEvents()

OpenTK.Windowing.Desktop.NativeWindow.ProcessWindowEvents(System.Boolean)

OpenTK.Windowing.Desktop.NativeWindow.ProcessInputEvents()

OpenTK.Windowing.Desktop.NativeWindow.PointToClient(OpenTK.Mathematics.Vector2i)

OpenTK.Windowing.Desktop.NativeWindow.PointToScreen(OpenTK.Mathematics.Vector2i)

OpenTK. Windowing. Desktop. Native Window. Is Key Down (OpenTK. Windowing. Graphics Library Framework. Keys)

OpenTK.Windowing.Desktop.NativeWindow.IsKeyPressed (OpenTK.Windowing.GraphicsLibraryFramework.Keys)

OpenTK. Windowing. Desktop. Native Window. Is KeyReleased (OpenTK. Windowing. Graphics Library Framework. Keys)

OpenTK. Windowing. Desktop. Native Window. Is Mouse Button Down (OpenTK. Windowing. Graphics Library Framework. Mouse Button) and the property of the proper

OpenTK.Windowing.Desktop.NativeWindow.IsMouseButtonPressed(OpenTK.Windowing.GraphicsLibraryFramework.MouseButton)

OpenTK.Windowing.Desktop.NativeWindow.IsMouseButtonReleased(OpenTK.Windowing.GraphicsLibraryFramework.MouseButton)

OpenTK.Windowing.Desktop.NativeWindow.FindMonitor()

OpenTK. Windowing. Desktop. Native Window. Try Get Current Monitor Scale (System. Single, System. Single)

OpenTK.Windowing.Desktop.NativeWindow.TryGetCurrentMonitorDpi(System.Single, System.Single)

OpenTK.Windowing.Desktop.NativeWindow.TryGetCurrentMonitorDpiRaw(System.Single, System.Single)

OpenTK.Windowing.Desktop.NativeWindow.OnMove(OpenTK.Windowing.Common.WindowPositionEventArgs)

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Open TK. Windowing. Desktop. Native Window. On Closed ()

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OpenTK.Windowing.Desktop.NativeWindow.OnFocusedChanged(OpenTK.Windowing.Common.FocusedChangedEventArgs)

OpenTK. Windowing. Desktop. Native Window. On Key Down (OpenTK. Windowing. Common. Key board Key Event Args)

OpenTK.Windowing.Desktop.NativeWindow.OnKeyUp(OpenTK.Windowing.Common.KeyboardKeyEventArgs)

OpenTK.Windowing.Desktop.NativeWindow.OnMonitorConnected(OpenTK.Windowing.Common.MonitorEventArgs)

OpenTK.Windowing.Desktop.NativeWindow.OnMouseLeave()

OpenTK.Windowing.Desktop.NativeWindow.OnMouseEnter()

OpenTK.Windowing.Desktop.NativeWindow.OnMouseDown(OpenTK.Windowing.Common.MouseButtonEventArgs)

OpenTK.Windowing.Desktop.NativeWindow.OnMouseUp(OpenTK.Windowing.Common.MouseButtonEventArgs)

OpenTK. Windowing. Desktop. Native Window. On Mouse Move (OpenTK. Windowing. Common. Mouse Move Event Args)

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OpenTK.Windowing.Desktop.NativeWindow.OnMaximized(OpenTK.Windowing.Common.MaximizedEventArgs)

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OpenTK. Windowing. Desktop. Native Window. Dispose (System. Boolean)

OpenTK.Windowing.Desktop.NativeWindow.Dispose()

OpenTK.Windowing.Desktop.NativeWindow.CenterWindow()

OpenTK.Windowing.Desktop.NativeWindow.CenterWindow(OpenTK.Mathematics.Vector2i)

OpenTK.Windowing.Desktop.NativeWindow.WindowPtr

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OpenTK.Windowing.Desktop.NativeWindow.Move

OpenTK.Windowing.Desktop.NativeWindow.Resize

Open TK. Windowing. Desktop. Native Window. Refresh

OpenTK.Windowing.Desktop.NativeWindow.Closing

OpenTK.Windowing.Desktop.NativeWindow.Closed

OpenTK.Windowing.Desktop.NativeWindow.Minimized

OpenTK.Windowing.Desktop.NativeWindow.Maximized

Open TK. Windowing. Desktop. Native Window. Joystick Connected

Open TK. Windowing. Desktop. Native Window. Focused Changed

OpenTK.Windowing.Desktop.NativeWindow.KeyDown

OpenTK.Windowing.Desktop.NativeWindow.TextInput

OpenTK.Windowing.Desktop.NativeWindow.KeyUp

OpenTK.Windowing.Desktop.NativeWindow.MonitorConnected

Open TK. Windowing. Desktop. Native Window. Mouse Leave

Open TK. Windowing. Desktop. Native Window. Mouse Enter

OpenTK.Windowing.Desktop.NativeWindow.MouseDown

OpenTK.Windowing.Desktop.NativeWindow.MouseUp

OpenTK.Windowing.Desktop.NativeWindow.MouseMove

OpenTK.Windowing.Desktop.NativeWindow.MouseWheel

OpenTK.Windowing.Desktop.NativeWindow.FileDrop

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.ToString()

Namespace: Vox_Populi
Assembly: Vox__Populi.dll

Syntax

public class Window : GameWindow, IDisposable

Constructors

Window(GameWindowSettings, NativeWindowSettings)

Declaration

 $\verb"public Window(GameWindowSettings" gameWindowSettings", \verb"NativeWindowSettings")" and \verb"iveWindowSettings" gameWindowSettings", \verb"NativeWindowSettings" gameWindowSettings", \verb"NativeWindowSettings", \verb"NativeWindowSettings", \verb"NativeWindowSettings", "NativeWindowSettings", "NativeWindow$

Parameters

ТҮРЕ	NAME	DESCRIPTION
OpenTK.Windowing.Desktop.GameWindowSettings	gameWindowSettings	
OpenTK.Windowing.Desktop.NativeWindowSettings	nativeWindowSettings	

Fields

_shader

Declaration

public Shader _shader

Field Value

ТҮРЕ	DESCRIPTION
Shader	

cameraSpeed

Declaration

public float cameraSpeed

Field Value

ТҮРЕ	DESCRIPTION
System.Single	

$debug_mesh$

Declaration

public bool debug_mesh

Field Value

ТҮРЕ	DESCRIPTION
System.Boolean	

Methods

OnLoad()

Declaration

protected override void OnLoad()

Overrides

OpenTK. Windowing. Desktop. GameWindow. On Load()

OnMouseWheel(MouseWheelEventArgs)

Declaration

protected override void OnMouseWheel(MouseWheelEventArgs e)

Parameters

ТҮРЕ	NAME	DESCRIPTION
OpenTK. Windowing. Common. Mouse Wheel Event Args	е	

Overrides

OpenTK. Windowing. Desktop. Native Window. On Mouse Wheel (OpenTK. Windowing. Common. Mouse Wheel Event Args)

OnRenderFrame(FrameEventArgs)

Declaration

protected override void OnRenderFrame(FrameEventArgs e)

ТҮРЕ	NAME	DESCRIPTION
OpenTK.Windowing.Common.FrameEventArgs	e	

Overrides

OpenTK. Windowing. Desktop. GameWindow. On Render Frame (OpenTK. Windowing. Common. Frame EventArgs)

OnResize(ResizeEventArgs)

Declaration

protected override void OnResize(ResizeEventArgs e)

Parameters

ТҮРЕ	NAME	DESCRIPTION
OpenTK.Windowing.Common.ResizeEventArgs	е	

Overrides

OpenTK. Windowing. Desktop. Native Window. On Resize (OpenTK. Windowing. Common. Resize Event Args)

OnTextInput(TextInputEventArgs)

Declaration

protected override void OnTextInput(TextInputEventArgs e)

Parameters

ТҮРЕ	NAME	DESCRIPTION
OpenTK.Windowing.Common.TextInputEventArgs	е	

Overrides

OpenTK. Windowing. Desktop. Native Window. On TextInput (OpenTK. Windowing. Common. TextInput EventArgs)

OnUpdateFrame(FrameEventArgs)

Declaration

protected override void OnUpdateFrame(FrameEventArgs e)

Parameters

ТҮРЕ	NAME	DESCRIPTION
OpenTK.Windowing.Common.FrameEventArgs	е	

Overrides

OpenTK. Windowing. Desktop. GameWindow. On Update Frame (OpenTK. Windowing. Common. Frame EventArgs)

Implements

System.IDisposable

Namespace Vox_Populi_Server

Classes

Chunk

Chunk_Manager

Message Extensions

Program

 $\quad \text{utils} \quad$

Class Chunk

Inheritance

System.Object

Chunk

Inherited Members

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

System. Object. Reference Equals (System. Object, System. Object)

System.Object.ToString()

 $Namespace \colon \textbf{Vox_Populi_Server}$

 $Assembly: Vox_poppuli_server.dll$

Syntax

public class Chunk

Constructors

Chunk(Int32, Int32)

Declaration

public Chunk(int xx, int yy)

Parameters

ТҮРЕ	NAME	DESCRIPTION
System.Int32	xx	
System.Int32	уу	

Fields

CHUNK_HEIGHT

Declaration

public static int CHUNK_HEIGHT

Field Value

ТҮРЕ	DESCRIPTION
System.Int32	

CHUNK_SIZE

Declaration

public static int CHUNK_SIZE

Field Value

ТҮРЕ	DESCRIPTION
System.Int32	

m_block

Declaration

public short[] m_block

Field Value

ТҮРЕ	DESCRIPTION
System.Int16[]	

Χ

Declaration

public int x

Field Value

ТҮРЕ	DESCRIPTION
System.Int32	

У

Declaration

public int y

Field Value

ТҮРЕ	DESCRIPTION
System.Int32	

Class Chunk_Manager

Inheritance

System.Object

Chunk_Manager

Inherited Members

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

System. Object. Reference Equals (System. Object, System. Object)

System.Object.ToString()

 $Name space \colon \textbf{Vox_Populi_Server}$

 $Assembly: Vox_poppuli_server.dll$

Syntax

public static class Chunk_Manager

Methods

createmap(Int32)

Declaration

public static void createmap(int widthy)

ТҮРЕ	NAME	DESCRIPTION
System.Int32	widthy	

Class MessageExtensions

Inheritance

System.Object

MessageExtensions

Inherited Members

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.ToString()

Namespace: Vox_Populi_Server
Assembly: Vox_poppuli_server.dll

Syntax

public static class MessageExtensions

Methods

Add(Message, Quaternion)

Declaration

public static Message Add(this Message message, Quaternion value)

Parameters

ТҮРЕ	NAME	DESCRIPTION
Riptide. Message	message	
OpenTK.Mathematics.Quaternion	value	

Returns

Т	ГУРЕ	DESCRIPTION
F	Riptide. Message	

Remarks

This method is simply an alternative way of calling AddQuaternion(Message, Quaternion).

Add(Message, Vector2)

Declaration

public static Message Add(this Message message, Vector2 value)

ТҮРЕ	NAME	DESCRIPTION
Riptide.Message	message	

ТҮРЕ	NAME	DESCRIPTION
OpenTK.Mathematics.Vector2	value	

Returns

ТҮРЕ	DESCRIPTION
Riptide.Message	

Remarks

This method is simply an alternative way of calling AddVector2(Message, Vector2).

Add(Message, Vector3)

Declaration

public static Message Add(this Message message, Vector3 value)

Parameters

ТҮРЕ	NAME	DESCRIPTION
Riptide.Message	message	
OpenTK.Mathematics.Vector3	value	

Returns

ТҮРЕ	DESCRIPTION
Riptide.Message	

Remarks

This method is simply an alternative way of calling AddVector2(Message, Vector2).

AddQuaternion(Message, Quaternion)

Adds a OpenTK.Mathematics.Quaternion to the message.

Declaration

public static Message AddQuaternion(this Message message, Quaternion value)

Parameters

ТҮРЕ	NAME	DESCRIPTION
Riptide.Message	message	
OpenTK.Mathematics.Quaternion	value	The OpenTK.Mathematics.Quaternion to add.

Returns

ТҮРЕ	DESCRIPTION

ТҮРЕ	DESCRIPTION
Riptide. Message	The message that the OpenTK.Mathematics.Quaternion was added to.

AddVector2(Message, Vector2)

Adds a OpenTK.Mathematics.Vector2 to the message.

Declaration

public static Message AddVector2(this Message message, Vector2 value)

Parameters

ТҮРЕ	NAME	DESCRIPTION
Riptide.Message	message	
OpenTK.Mathematics.Vector2	value	The OpenTK.Mathematics.Vector2 to add.

Returns

ТУРЕ	DESCRIPTION
Riptide. Message	The message that the OpenTK.Mathematics.Vector2 was added to.

AddVector3(Message, Vector3)

 $Adds\ a\ OpenTK. Mathematics. Vector 2\ to\ the\ message.$

Declaration

public static Message AddVector3(this Message message, Vector3 value)

Parameters

ТУРЕ	NAME	DESCRIPTION
Riptide.Message	message	
OpenTK.Mathematics.Vector3	value	The OpenTK.Mathematics.Vector2 to add.

Returns

ТҮРЕ	DESCRIPTION
Riptide. Message	The message that the OpenTK.Mathematics.Vector2 was added to.

GetQuaternion(Message)

Retrieves a OpenTK.Mathematics.Quaternion from the message.

Declaration

public static Quaternion GetQuaternion(this Message message)

Parameters

ТҮРЕ	NAME	DESCRIPTION
Riptide.Message	message	

Returns

ТҮРЕ	DESCRIPTION
OpenTK.Mathematics.Quaternion	The OpenTK.Mathematics.Quaternion that was retrieved.

GetVector2(Message)

Retrieves a OpenTK.Mathematics.Vector2 from the message.

Declaration

public static Vector2 GetVector2(this Message message)

Parameters

ТУРЕ	NAME	DESCRIPTION
Riptide.Message	message	

Returns

ТҮРЕ	DESCRIPTION
OpenTK.Mathematics.Vector2	The OpenTK.Mathematics.Vector2 that was retrieved.

GetVector3(Message)

 $Retrieves\ a\ OpenTK. Mathematics. Vector 2\ from\ the\ message.$

Declaration

public static Vector3 GetVector3(this Message message)

Parameters

ТҮРЕ	NAME	DESCRIPTION
Riptide.Message	message	

Returns

ТҮРЕ	DESCRIPTION
OpenTK.Mathematics.Vector3	The OpenTK.Mathematics.Vector2 that was retrieved.

Class Program

Inheritance

System.Object

Program

Inherited Members

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System. Object. Get Hash Code ()

System.Object.GetType()

System.Object.MemberwiseClone()

System. Object. Reference Equals (System. Object, System. Object)

System.Object.ToString()

Namespace: Vox_Populi_Server

Assembly: Vox_poppuli_server.dll

Syntax

public static class Program

Fields

server

Declaration

public static Server server

Field Value

ТҮРЕ	DESCRIPTION
Riptide.Server	

Class utils

Inheritance

System.Object

utils

Inherited Members

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

System. Object. Reference Equals (System. Object, System. Object)

System.Object.ToString()

Namespace: Vox_Populi_Server
Assembly: Vox_poppuli_server.dll

Syntax

public static class utils

Methods

Compress(Byte[])

Declaration

public static byte[] Compress(byte[] data)

Parameters

ТУРЕ	NAME	DESCRIPTION
System.Byte[]	data	

Returns

ТҮРЕ	DESCRIPTION
System.Byte[]	

conintbyte(Int16[])

Declaration

public static byte[] conintbyte(short[] intArray)

Parameters

ТҮРЕ	NAME	DESCRIPTION
System.Int16[]	intArray	

Returns

ТҮРЕ	DESCRIPTION
System.Byte[]	