# Namespace RayGame

### Classes

#### CollisionDetection

Provides a method for collision detection between shapes.

### **Engine**

The main engine class that initializes and runs the game.

#### **GameObject**

Represents a game object in the Scene.

#### Mesh

Represents a 2D mesh consisting of a collection of vertices.

#### **MeshRenderer**

A Renderer that renders a Mesh associated with a GameObject.

#### **Transform**

The class that holds all the transformation data for an object

### **Interfaces**

#### **IGameComponent**

Interface for game components.

#### <u>IRenderer</u>

Interface for renderers.

# Class CollisionDetection

Namespace: RayGame
Assembly: RayGame.dll

Provides a method for collision detection between shapes.

public static class CollisionDetection

#### Inheritance

<u>object</u> □ ← CollisionDetection

#### **Inherited Members**

 $\underline{object.Equals(object)} \ \ \ \ \ \underline{object.Equals(object, object)} \ \ \ \ \ \underline{object.MemberwiseClone()} \ \ \ \ \underline{object.ReferenceEquals(object, object)} \ \ \ \ \underline{object.ToString()} \ \ \ \ \underline{object.ToString()} \ \ \ \ \underline{object.ToString()} \ \ \ \underline{object.ToString()} \ \ \ \underline{object.ToString()} \ \ \ \underline{object.ToString()} \ \ \underline{object.ToStrin$ 

### Remarks

This is a Static class used internally to check the collision between Colliders in <u>GameObjects</u>.**Primarily** for internal use

### **Methods**

CheckCollision(Vector2[], Vector2[])

Checks if two shapes are colliding.

public static bool CheckCollision(Vector2[] shape1, Vector2[] shape2)

#### **Parameters**

shape1 <u>Vector2</u> []

The first shape.

shape2 <u>Vector2</u> □ []

The second shape.

# Returns

### <u>bool</u>₫

True if the shapes are colliding, otherwise false.

# **Class Engine**

Namespace: RayGame
Assembly: RayGame.dll

The main engine class that initializes and runs the game.

```
public static class Engine
```

#### Inheritance

<u>object</u> d ← Engine

#### **Inherited Members**

 $\underline{object.Equals(object)} \ \ \ \ \ \underline{object.Equals(object, object)} \ \ \ \ \ \underline{object.MemberwiseClone()} \ \ \ \ \underline{object.ReferenceEquals(object, object)} \ \ \ \ \underline{object.ToString()} \ \ \ \ \underline{object.ToString()} \ \ \ \ \underline{object.ToString()} \ \ \ \underline{object.ToString()} \ \ \ \underline{object.ToString()} \ \ \ \underline{object.ToString()} \ \ \underline{object.ToStrin$ 

### **Fields**

### random

The Random Number Generator initiated with the Engine.

```
public static Random random
```

Field Value

# **Properties**

### **GAMETIME**

The value associated with the amount of milliseconds passed.

```
public static long GAMETIME { get; }
```

### Property Value

<u>long</u> ☑

### **Methods**

## CreateGameObject(string)

Creates a new game object with the specified name.

```
public static GameObject CreateGameObject(string name)
```

### **Parameters**

name <u>string</u> <a>□</a>

The name of the game object.

### Returns

### **GameObject**

The created game object.

## CreateGameObject(string, Transform)

Creates a new game object with the specified name and <u>Transform</u>>.

```
public static GameObject CreateGameObject(string name, Transform transform)
```

### **Parameters**

name <u>string</u>♂

The name of the game object.

transform <u>Transform</u>

The transform of the game object.

### Returns

### **GameObject**

The created game object.

## CreateGameObject(string, Vector2, float, float)

Creates a new game object with the specified name, position, angle, and scale.

```
public static GameObject CreateGameObject(string name, Vector2 Position, float Angle,
float Scale)
```

### **Parameters**

name <u>string</u> □

The name of the game object.

Position <u>Vector2</u> ☑

The position of the game object.

Angle <u>float</u>♂

The angle of the game object.

Scale <u>float</u>♂

The scale of the game object.

### Returns

#### **GameObject**

The created game object.

### DeleteGameObject(GameObject)

Deletes the specified game object.

```
public static void DeleteGameObject(GameObject Gobj)
```

### **Parameters**

Gobj GameObject

The game object to delete.

## DisableColliderRendering()

Disables rendering of colliders for all game objects. Look at **GameObject** for more detail.

```
public static void DisableColliderRendering()
```

## EnableColliderRendering()

Enables rendering of colliders for all game objects. Look at **GameObject** for more detail.

```
public static void EnableColliderRendering()
```

## FindObjectByName(string)

Finds a game object by its name.

```
public static GameObject FindObjectByName(string name)
```

### **Parameters**

name <u>string</u> □

The name of the game object.

Returns

**GameObject** 

The game object with the specified name, or null if not found.

# FindObjectOfType<T>()

Finds the first game object that has a component of the specified type.

```
public static GameObject FindObjectOfType<T>()
```

### Returns

#### **GameObject**

The game object with the specified component, or null if not found.

### Type Parameters

T

The type of component to look for.

## GetGameObjectCount()

Gets the count of game objects currently in the engine.

```
public static int GetGameObjectCount()
```

### Returns

#### <u>int</u>♂

The number of game objects.

## INIT<T>()

Initializes the game engine with a specified game component. That Custom Component is the entry point into using the Engine.

```
public static void INIT<T>() where T : IGameComponent, new()
```

# Type Parameters

Т

The type of game component to initialize.

# Class GameObject

Namespace: RayGame
Assembly: RayGame.dll

Represents a game object in the Scene.

public class GameObject

#### Inheritance

<u>object</u> <a>description <a>descript

#### **Inherited Members**

<u>object.Equals(object)</u> <u>object.Equals(object, object)</u> <u>object.GetHashCode()</u> <u>object.GetType()</u> <u>object.MemberwiseClone()</u> <u>object.ReferenceEquals(object, object)</u> <u>object.ToString()</u> <u>object.ToString() object.ToString() ob</u>

### Remarks

The GameObjects are the building blocks of your scene. They contain a few fields that allow for adding logic and properties to make them functional.

### **Fields**

### Colliders

The List of Colliders attached to the GameObject. They are represented as a List of Mesh's. You can add Colliders directly.

public List<Mesh> Colliders

Field Value

List < Mesh>

### **DEBUGCOLIDERS**

This is a property of the GameObject that determines what is to be rendered. If *false*, all the <u>IRenderer</u>'s Update Method will be fired per frame. If *true*, then instead of the <u>IRenderer</u>'s, the Colliders attached to

your GameObject will be rendered. This is for debugging purposes.

```
public bool DEBUGCOLIDERS
```

Field Value

<u>bool</u> ₫

### Name

This is the Name Associated with the GameObject

```
public string Name
```

Field Value

<u>string</u> ♂

### **Transform**

This is the <u>Transform</u> attached to the GameObject.

```
public Transform Transform
```

Field Value

**Transform** 

## **Methods**

# AddComponent<T>()

Adds a component of the specified type to this game object.

```
public T AddComponent<T>() where T : IGameComponent, new()
```

### Returns

Τ

The added component.

### Type Parameters

T

The type of component to add.

# AddRenderer<T>()

Adds a renderer of the specified type to this game object.

```
public T AddRenderer<T>() where T : IRenderer, new()
```

### Returns

Τ

The added renderer.

### Type Parameters

Τ

The type of renderer to add.

# DeleteAllRenderers()

Deletes all renderers from this game object.

```
public void DeleteAllRenderers()
```

# DeleteComponent<T>()

Deletes the first component of the specified type from this game object.

```
public void DeleteComponent<T>() where T : IGameComponent
```

### Type Parameters

Т

The type of component to delete.

### DeleteObjectComponents()

Deletes all components from this game object.

```
public void DeleteObjectComponents()
```

### DeleteRenderer<T>(int)

Deletes a renderer of the specified type at the given index from this game object.

```
public void DeleteRenderer<T>(int Index) where T : class, IRenderer
```

### **Parameters**

Index <u>int</u>♂

The index of the renderer to delete.

### Type Parameters

T

The type of renderer to delete.

### GetComponentNameList(bool)

Gets a list of the names of all components attached to this game object.

```
public List<string> GetComponentNameList(bool Print)
```

### **Parameters**

#### 

If true, prints the names to the console.

### Returns

```
<u>List</u> ♂ < <u>string</u> ♂ >
```

A list of component names.

# GetComponent<T>()

Gets the first component of the specified type attached to this game object.

```
public T GetComponent<T>()
```

### Returns

Т

The component if found, otherwise null.

### Type Parameters

Τ

The type of component to get.

# GetRendererNameList(bool)

Gets a list of the names of all renderers attached to this game object.

```
public List<string> GetRendererNameList(bool Print)
```

### **Parameters**

#### 

If true, prints the names to the console.

### Returns

```
<u>List</u> □ < string □ >
```

A list of renderer names.

### GetRenderer<T>(int)

Gets a renderer of the specified type at the given index from this game object. If the GameObject contains multiple types of renderers, then the index takes into account only the specified T

```
public T GetRenderer<T>(int Index) where T : class, IRenderer
```

### **Parameters**

#### Index <u>int</u>♂

The index of the renderer to get.

### Returns

Τ

The renderer if found, otherwise null.

### Type Parameters

Т

The type of renderer to get.

# HasComponent<T>()

Checks if this game object has a component of the specified type.

```
public bool HasComponent<T>() where T : IGameComponent
```

### Returns

#### bool ₫

True if the component is found, otherwise false.

### Type Parameters

Τ

The type of component to check for.

# HasRenderer<T>()

Checks if this game object has a renderer of the specified type.

```
public bool HasRenderer<T>() where T : IRenderer
```

### Returns

#### bool ₫

True if the renderer is found, otherwise false.

### Type Parameters

Τ

The type of renderer to check for.

# IsColliding(GameObject)

Checks if this game object is colliding with the specified target game object.

```
public bool IsColliding(GameObject Target)
```

### **Parameters**

### Target GameObject

The target game object to check for collisions with.

### Returns

#### bool ₫

True if a collision is detected, otherwise false.

## SetTransform(Transform)

Sets the transform of this game object to the specified new transform.

```
public void SetTransform(Transform newTransform)
```

### **Parameters**

#### newTransform <a href="Transform">Transform</a>

The new transform to set.

### ShiftComponent<T>(int)

Shifts a component of the specified type by a given offset in the component list.

```
public void ShiftComponent<T>(int offset) where T : IGameComponent
```

### **Parameters**

#### offset int♂

The offset by which to shift the component.

### Type Parameters

Τ

The type of component to shift.

## ShiftRenderer<T>(int)

Shifts a renderer of the specified type by a given offset in the renderer list.

```
public void ShiftRenderer<T>(int offset) where T : IRenderer
```

### **Parameters**

```
offset <u>int</u>♂
```

The offset by which to shift the renderer.

### Type Parameters

Т

The type of renderer to shift.

### StartActions()

The function that is called when the GameObject is Initiated. Not used in most cases. **Primarily for internal use** 

```
public void StartActions()
```

## UpdateActions()

This is the function that calls to update the state of the GameObject per frame. **Primarily for internal** use

```
public void UpdateActions()
```

# Interface IGameComponent

Namespace: RayGame
Assembly: RayGame.dll

Interface for game components.

public interface IGameComponent

### Remarks

Implement this interface to create custom game components. Each <u>GameObject</u> has a List of Components that it runs by itself. Hence, any class that implements <u>IGameComponent</u>, will be eligible to perform as a script attached to the Object. By This, It is possible to create *Prefabs* buy creating 1 class component that adds all the required components and modifications.

# **Properties**

### Container

The container GameObject for this component.

```
GameObject Container { get; set; }
```

Property Value

<u>GameObject</u>

# **Methods**

### Start()

Called when the component is Added.

```
void Start()
```

# Update()

Called every frame to update the component.

void Update()

# **Interface IRenderer**

Namespace: RayGame
Assembly: RayGame.dll

Interface for renderers.

public interface IRenderer

### Remarks

This is interface is to be inherited by all Renderers, If you wish to make a custom renderer, then u can, but i would recommend sticking to the provided renderers. **Primarily for internal use** 

# **Properties**

### Container

The container GameObject for this renderer. Any Actions that want to be performed to it, is does through this reference.

```
GameObject Container { get; set; }
```

Property Value

**GameObject** 

### **Methods**

### Start()

The Function Called when the Renderer is Added to an Object.

```
void Start()
```

# Update()

Called every frame to update the renderer. Primarily holds code to render the content.

void Update()

## Class Mesh

Namespace: RayGame
Assembly: RayGame.dll

Represents a 2D mesh consisting of a collection of vertices.

```
public class Mesh
```

#### Inheritance

<u>object</u> d ← Mesh

#### **Inherited Members**

 $\underline{object.Equals(object)} \ \ \ \ \ \underline{object.Equals(object, object)} \ \ \ \ \ \underline{object.GetHashCode()} \ \ \ \ \ \underline{object.GetType()} \ \ \ \ \ \underline{object.MemberwiseClone()} \ \ \ \ \underline{object.ReferenceEquals(object, object)} \ \ \ \ \underline{object.ToString()} \ \ \ \ \underline{object.ToString()} \ \ \ \ \underline{object.ToString()} \ \ \ \underline{object.ToString()} \ \ \ \underline{object.ToString()} \ \ \ \underline{object.ToString()} \ \ \underline{$ 

### Remarks

A Mesh is a collection of Vertices that is used to display/render anything. It is always a closed loop. The Mesh also have functions that can edit it, however, be careful, as all modifications as *permanent*. It is Attached to a <u>MeshRenderer</u> to be viewed at the <u>GameObject</u>'s Position. The vertices themselves are always represented in local space.

### Constructors

### Mesh(Vector2[])

Initializes a new instance of the Mesh class with an array of vertices specified as Vector2 .

```
public Mesh(Vector2[] vertexArray)
```

### **Parameters**

vertexArray <u>Vector2</u> []

An array of <u>Vector2</u> representing the vertices of the mesh.

## Mesh((float, float)[])

Initializes a new instance of the Mesh class with an array of vertices specified as tuples.

```
public Mesh((float, float)[] vertexArray)
```

### **Parameters**

```
vertexArray (<u>float</u>♂, <u>float</u>♂)[]
```

An array of tuples representing the vertices of the mesh.

### **Methods**

### AddVertex(Vector2)

Adds a single vertex to the mesh.

```
public void AddVertex(Vector2 vertex)
```

### **Parameters**

```
vertex <u>Vector2</u> ☑
```

The vertex to add to the mesh.

## AddVertex((float, float))

Adds a single vertex to the mesh specified as a tuple.

```
public void AddVertex((float, float) vertex)
```

### **Parameters**

```
vertex (<u>float</u>☑, <u>float</u>☑)
```

The vertex to add to the mesh.

### AddVertices(Vector2[])

Adds an array of vertices to the mesh.

```
public void AddVertices(Vector2[] vertexArray)
```

### **Parameters**

```
vertexArray <u>Vector2</u> []
```

An array of <u>Vector2</u> do add to the mesh.

## AddVertices((float, float)[])

Adds an array of vertices to the mesh specified as tuples.

```
public void AddVertices((float, float)[] vertexArray)
```

### **Parameters**

```
vertexArray (<u>float</u>♂, <u>float</u>♂)[]
```

An array of tuples representing the vertices to add to the mesh.

### DeleteLastVertex()

Deletes a Vertex from the last position.

```
public void DeleteLastVertex()
```

### DeleteVertex(int)

Deletes a vertex at the specified index.

```
public void DeleteVertex(int Index)
```

### **Parameters**

```
Index int♂
```

The index of the vertex to delete.

# DeleteVertex((float, float))

Deletes a vertex that matches the specified point.

```
public void DeleteVertex((float, float) point)
```

### **Parameters**

```
point (<u>float</u>♂, <u>float</u>♂)
```

The point representing the vertex to delete.

### GetVertexArray()

Gets the vertices of the mesh as an array.

```
public Vector2[] GetVertexArray()
```

### Returns

#### Vector2 <a>™</a>[]

An array of Vector2 representing the vertices of the mesh.

### InsertVertex(int, Vector2)

Inserts a vertex at the specified index.

```
public void InsertVertex(int Index, Vector2 Vertex)
```

### **Parameters**

#### Index <u>int</u>♂

The index at which to insert the vertex.

#### Vertex <u>Vector2</u> ✓

The vertex to insert.

## RotateMesh(float)

Rotates the entire mesh by the specified angle.

```
public Mesh RotateMesh(float Angle)
```

### **Parameters**

### Angle <u>float</u> ☑

The angle in degrees by which to rotate the mesh.

### Returns

#### Mesh

The rotated mesh.

## ScaleMesh(float)

Scales the entire mesh by the specified scale factor.

```
public Mesh ScaleMesh(float Scale)
```

### **Parameters**

#### Scale <u>float</u>♂

The scale factor by which to scale the mesh.

### Returns

#### Mesh

The scaled mesh.

## ShiftMesh(Vector2)

Shifts the entire mesh by the specified offset in Position.

```
public Mesh ShiftMesh(Vector2 Offset)
```

### **Parameters**

Offset <u>Vector2</u> ☑

The offset by which to shift the mesh.

### Returns

#### Mesh

The shifted mesh.

# ShiftMesh((float, float))

Shifts the entire mesh by the specified offset in Position.

```
public Mesh ShiftMesh((float, float) Offset)
```

### **Parameters**

```
Offset (<u>float</u>♂, <u>float</u>♂)
```

The offset specified as a tuple by which to shift the mesh.

### Returns

#### Mesh

The shifted mesh.

## Class MeshRenderer

Namespace: RayGame
Assembly: RayGame.dll

A Renderer that renders a Mesh associated with a GameObject.

```
public class MeshRenderer : IRenderer
```

#### Inheritance

object 

← MeshRenderer

#### **Implements**

**IRenderer** 

#### **Inherited Members**

# **Properties**

### Container

The Container is the reference to the **GameObject** it is connected to.

```
public GameObject Container { get; set; }
```

Property Value

**GameObject** 

### **Methods**

# GetMesh()

Gets the mesh being rendered.

```
public Mesh GetMesh()
```

### Returns

#### Mesh

The Mesh being rendered.

### RenderMesh(Vector2[], Color)

Renders the specified vertices as lines with the given color. Primarily for internal use

```
public static void RenderMesh(Vector2[] Vertices, Color color)
```

### **Parameters**

Vertices <u>Vector2</u> □ []

An array of <u>Vector2</u> representing the vertices of the mesh.

color Color

The color to use for rendering the lines.

### SetMesh(Mesh)

Sets the mesh to be rendered.

```
public Mesh SetMesh(Mesh mesh)
```

### **Parameters**

mesh <u>Mesh</u>

The Mesh to set.

Returns

### Mesh

The Mesh that was set.

# Start()

Initializes the renderer. This method is called when the renderer is first added to a **GameObject**.

```
public void Start()
```

# Update()

Updates the renderer. This method is called once per frame.

```
public void Update()
```

# **Class Transform**

Namespace: RayGame
Assembly: RayGame.dll

The class that holds all the transformation data for an object

```
public class Transform
```

#### Inheritance

<u>object</u> < Transform

#### **Inherited Members**

<u>object.Equals(object)</u> <u>object.Equals(object, object)</u> <u>object.GetHashCode()</u> <u>object.GetType()</u> <u>object.MemberwiseClone()</u> <u>object.ReferenceEquals(object, object)</u> <u>object.ToString()</u> <u>object.ToString() object.ToString() ob</u>

### Remarks

A Class that is used to represent the Position, Rotation and Scale of an object. This class super-imposes its properties onto vertices per frame, which means that any object containing this class can enact global transformations within that <u>GameObject</u>. By default, any transformations does on the object should be done through its Transform.

### Constructors

### Transform()

Initializes a new instance of the <u>Transform</u> class with default values. Position being (0,0). Rotation being 0. Scale being 1.

```
public Transform()
```

## Transform(Vector2, float, float)

Initializes a new instance of the <u>Transform</u> class with specified position, rotation, and scale.

```
public Transform(Vector2 pos, float ang, float sc)
```

### **Parameters**

```
pos <u>Vector2</u> ☑
```

The position of the transform.

```
ang <u>float</u>♂
```

The rotation of the transform in degrees.

```
sc <u>float</u>♂
```

The scale of the transform.

# **Fields**

### **Position**

The position of the transform as a <u>Vector2</u> ☑.

```
public Vector2 Position
```

### Field Value

### Scale

The Scale of the transform as a Float.

```
public float Scale
```

### Field Value

<u>float</u> ☑

# **Methods**

# ApplyTransform(Vector2[])

Applies the transform to an array of vertices. Applies that transforms onto the Vertices of a Mesh's Vertex Array. Primarily used internally in the Engine.

```
public Vector2[] ApplyTransform(Vector2[] VertexArray)
```

### **Parameters**

VertexArray <u>Vector2</u> []

The array of vertices to transform.

#### Returns

Vector2 []

The transformed array of vertices.

# GetRotation()

Gets the rotation of the transform.

```
public float GetRotation()
```

### Returns

<u>float</u> ♂

The rotation in returned as Degrees.

## Rotate(float)

Rotates the transform by the specified angle. Takes an Angle in degrees, and stores them internally as radians.

```
public void Rotate(float Angle)
```

### **Parameters**

### Angle <u>float</u>♂

The angle in degrees.

## SetRotation(float)

Sets the rotation of the transform to the specified angle. Takes an Angle in degrees, and stores them internally as radians.

```
public void SetRotation(float Angle)
```

### **Parameters**

### Angle <u>float</u> ☑

The angle in degrees.

## Translate(Vector2)

Translates the transform by the specified offset.

```
public void Translate(Vector2 Offset)
```

### **Parameters**

Offset <u>Vector2</u> ☑

The offset as a <u>Vector2</u> ☑.

## Translate((float, float))

Translates the transform by the specified offset.

```
public void Translate((float, float) Offset)
```

# Parameters

```
Offset (<u>float</u>♂, <u>float</u>♂)
```

The offset as a tuple(float ☑, float ☑)

# Namespace RayGame.Demo

Classes

<u>Bird</u>

<u>Demo</u>

<u>Manager</u>

# **Class Bird**

Namespace: RayGame.Demo

Assembly: RayGame.dll

```
public class Bird : IGameComponent
```

#### Inheritance

<u>object</u> 

✓ Bird

#### **Implements**

**IGameComponent** 

#### **Inherited Members**

 $\underline{object.Equals(object)} \ \ \ \ \ \underline{object.Equals(object, object)} \ \ \ \ \ \underline{object.MemberwiseClone()} \ \ \ \ \underline{object.ReferenceEquals(object, object)} \ \ \ \ \underline{object.ToString()} \ \ \ \ \underline{object.ToString()} \ \ \ \ \underline{object.ToString()} \ \ \ \underline{object.ToString()} \ \ \ \underline{object.ToString()} \ \ \ \underline{object.ToString()} \ \ \underline{object.ToStrin$ 

# **Properties**

### Container

The container GameObject for this component.

```
public GameObject Container { get; set; }
```

Property Value

**GameObject** 

### **Methods**

### Start()

Called when the component is Added.

```
public void Start()
```

# Update()

Called every frame to update the component.

public void Update()

# Class Demo

Namespace: RayGame.Demo

Assembly: RayGame.dll

public static class Demo

#### Inheritance

<u>object</u>♂ ← Demo

#### **Inherited Members**

 $\underline{object.Equals(object)} \ \ \ \ \ \underline{object.Equals(object, object)} \ \ \ \ \ \underline{object.GetHashCode()} \ \ \ \ \ \underline{object.GetType()} \ \ \ \ \ \underline{object.MemberwiseClone()} \ \ \ \ \underline{object.ReferenceEquals(object, object)} \ \ \ \ \underline{object.ToString()} \ \ \ \ \underline{object.ToString()} \ \ \ \ \underline{object.ToString()} \ \ \ \underline{object.ToString()} \ \ \ \underline{object.ToString()} \ \ \ \underline{object.ToString()} \ \ \underline{$ 

## **Methods**

# Main()

public static void Main()

# Class Manager

Namespace: RayGame.Demo

Assembly: RayGame.dll

```
public class Manager : IGameComponent
```

#### Inheritance

### **Implements**

**IGameComponent** 

#### **Inherited Members**

 $\underline{object.Equals(object)} \ \ \ \ \ \underline{object.Equals(object, object)} \ \ \ \ \ \underline{object.MemberwiseClone()} \ \ \ \ \underline{object.ReferenceEquals(object, object)} \ \ \ \ \underline{object.ToString()} \ \ \ \ \underline{object.ToString()} \ \ \ \ \underline{object.ToString()} \ \ \ \underline{object.ToString()} \ \ \ \underline{object.ToString()} \ \ \ \underline{object.ToString()} \ \ \underline{object.ToStrin$ 

### **Fields**

# PipeInstances

public List<GameObject> PipeInstances

Field Value

<u>List</u> □ < <u>GameObject</u> >

# Running

public bool Running

Field Value

bool₫

# **Properties**

### Container

The container GameObject for this component.

```
public GameObject Container { get; set; }
```

Property Value

**GameObject** 

### Instance

```
public static Manager Instance { get; }
```

Property Value

Manager

# **Methods**

# RestartGame()

```
public void RestartGame()
```

# SpawnObject()

```
public void SpawnObject()
```

# Start()

Called when the component is Added.

```
public void Start()
```

# Update()

Called every frame to update the component.

public void Update()