



Namespace com.absence.dialoguesystem

Classes

[Dialogue](#)

The scriptable object derived type that holds all of the data which is essential for a dialogue.

[DialogueAnimationsPlayer](#)

A small component which is responsible for playing the animations (if there is any) of the dialogue instance attached to the same game object.

[DialogueDisplayer](#)

A singleton with the duty of displaying the current dialogue context. Written for the Unity UI package. Not compatible with the UI Toolkit.

[DialogueExtensionBase](#)

This is the base class to derive from in order to handle some custom logic over the system.

[DialogueInputHandler_Legacy](#)

A small component with the responsibility of using the input comes from player (uses legacy input system of unity) on the dialogue.

[DialogueInstance](#)

Lets you manage a single `DialoguePlayer` in the scene easily.

[DialogueOptionText](#)

A small component that manages the functionality of an option's drawing and input.

[DialoguePlayer](#)

Lets you progress in a dialogue easily.

[DialogueSoundsPlayer](#)

A small component which is responsible for playing the sounds (if there is any) of the `DialogueInstance` attached to the same gameobject.

Interfaces

IUseDialogueInScene

Any game object with a script that implements this interface attached will display it's dialogue when gets selected.

Enums

DialoguePlayer.PlayerState

Shows what state the dialogue player is in.

Delegates

DialogueInstance.SpeechEventHandler

The delegate responsible for handling events directly about speech.



Class Dialogue

The scriptable object derived type that holds all of the data which is essential for a dialogue.

Inheritance

- ↳ [object](#)
- ↳ [Object](#)
- ↳ [ScriptableObject](#)
- ↳ [Dialogue](#)

Inherited Members

[ScriptableObject.SetDirty\(\)](#)
[ScriptableObject.CreateInstance\(string\)](#)
[ScriptableObject.CreateInstance\(Type\)](#)
[ScriptableObject.CreateInstance<T>\(\)](#)

Namespace: [com.absence.dialoguesystem](#)

Assembly: Assembly-CSharp-firstpass.dll

Syntax

```
[HelpURL("https://b1lodhand.github.io/absent-dialogues/api/com.absence.dialoguesystem.Dialogue.html")]
public class Dialogue : ScriptableObject
```

Fields

AllNodes

A list of all of the nodes that are in this dialogue.

Declaration

```
[HideInInspector]
public List<Node> AllNodes
```

Field Value

TYPE

List<Node>

Blackboard

The `Blackboard` of this dialogue.

Declaration

```
[HideInInspector]  
public Blackboard Blackboard
```

Field Value

TYPE

Blackboard

LastOrCurrentNode

The current node reached while progressing in this dialogue. Or the last one reached before exiting the dialogue.

Declaration

```
[HideInInspector]  
public Node LastOrCurrentNode
```

Field Value

TYPE

Node

RootNode

The `RootNode` of this dialogue.

Declaration

```
[HideInInspector]
```

```
public RootNode RootNode
```

Field Value

TYPE

RootNode

Properties

ClonedFrom

The original dialogue which is used to create this cloned one. Returns null if this dialogue is not a clone.

Declaration

```
public Dialogue ClonedFrom { get; }
```

Property Value

TYPE

Dialogue

IsClone

Use to check if this dialogue is a clone.

Declaration

```
public bool IsClone { get; }
```

Property Value

TYPE

bool

People

People in this dialogue (might be overridden on clones).

Declaration

```
public List<Person> People { get; }
```

Property Value

TYPE

List<Person>

Methods

Clone()

Use to clone the dialogue scriptable object. Useful to progress in a copy while keeping the original unchanged.

Declaration

```
public Dialogue Clone()
```

Returns

TYPE

Dialogue

CreateNode(Type)

Use to create new nodes. Using runtime is not recommended.

Declaration

```
public Node CreateNode(Type type)
```

Parameters

TYPE NAME

Type type

Returns

TYPE**Node**

DeleteNode(Node)

Use to delete existing nodes. Using runtime is not recommended.

Declaration

```
public void DeleteNode(Node node)
```

Parameters**TYPE NAME**

Node node

GetAllDialogueParts()

Use to get a list of all `DialoguePartNode`s in this dialogue.

Declaration

```
public List<DialoguePartNode> GetAllDialogueParts()
```

Returns**TYPE DESCRIPTION**List<DialoguePartNode> The entire list of `DialoguePartNode`s in the current dialogue.

GetDialoguePartNodesWithName(string)

Use to find `DialoguePartNode`s with a specific name.

Declaration

```
public List<DialoguePartNode> GetDialoguePartNodesWithName(string targetName)
```

Parameters

TYPE **NAME**

string targetName

Returns

TYPE	DESCRIPTION
List<DialoguePartNode>	A list of DialoguePartNode s with that specific name. Throws an exception nothing's found.

Initialize()

It teleports the flow back to the root node.

Declaration

```
public void Initialize()
```

OverridePeople(List<Person>)

Use to override the people in this dialogue. Keeping person count the same is highly recommended. The original scriptable object's people list won't be affected by this.

CAUTION! The recommended way is to use this function on clones only.

Declaration

```
public void OverridePeople(List<Person> overridePeople)
```

Parameters**TYPE** **NAME**

List<Person> overridePeople

Pass(params object[])

Use to progress to the next node in the dialogue. Using this method directly is not recommended if you're not adding an extra functionality. You can consider using **DialoguePlayer** instead.

Declaration

```
public void Pass(params object[] passData)
```

Parameters

TYPE	NAME
object[]	passData

Events

OnValidateAction

Action which will get invoked if `OnValidate()` gets called in the editor.

Declaration

```
public event Action OnValidateAction
```

Event Type

TYPE
Action



Class DialogueAnimationsPlayer

A small component which is responsible for playing the animations (if there is any) of the dialogue instance attached to the same game object.

Inheritance

- ↳ [object](#)
- ↳ [Object](#)
- ↳ [Component](#)
- ↳ [Behaviour](#)
- ↳ [MonoBehaviour](#)
- ↳ [DialogueExtensionBase](#)

[DialogueAnimationsPlayer](#)

Inherited Members

[DialogueExtensionBase.m_instance](#)
[DialogueExtensionBase.OnBeforeSpeech\(ref Person, ref string, ref List<Option>\)](#)
[DialogueExtensionBase.OnAfterCloning\(\)](#)
[DialogueExtensionBase.OnDialogueUpdate\(\)](#)

Namespace: [com.absence.dialoguesystem](#)

Assembly: Assembly-CSharp-firstpass.dll

Syntax

```
[RequireComponent(typeof(DialogueInstance))]  
[AddComponentMenu("absencee_absent-dialogues/Dialogue Animations Player")]  
[DisallowMultipleComponent]  
[HelpURL("https://b1lodhand.github.io/absent-dialogues/api/com.absence.dialoguesystem.DialogueAnimation")]  
public class DialogueAnimationsPlayer : DialogueExtensionBase
```

Methods

OnHandleAdditionalData(AdditionalSpeechData)

Use to define what to do with the current [AdditionalSpeechData](#). Gets called when the [m_instance](#) progresses.

Declaration

```
protected override void OnHandleAdditionalData(AdditionalSpeechData data)
```

Parameters

TYPE	NAME
AdditionalSpeechData	data

Overrides

[DialogueExtensionBase.OnHandleAdditionalData\(AdditionalSpeechData\)](#)



Class DialogueDisplayer

A singleton with the duty of displaying the current dialogue context. Written for the Unity UI package. Not compatible with the UI Toolkit.

Inheritance

- ↳ [object](#)
- ↳ [Object](#)
- ↳ [Component](#)
- ↳ [Behaviour](#)
- ↳ [MonoBehaviour](#)
- ↳ [StaticInstance<DialogueDisplayer>](#)
- [Singleton<DialogueDisplayer>](#)
- [DialogueDisplayer](#)

Inherited Members

- [Singleton<DialogueDisplayer>.Awake\(\)](#)
- [StaticInstance<DialogueDisplayer>.OnApplicationQuit\(\)](#)
- [StaticInstance<DialogueDisplayer>.Instance](#)

Namespace: [com.absence.dialoguesystem](#)
Assembly: Assembly-CSharp-firstpass.dll

Syntax

```
[AddComponentMenu("absencee_absent-dialogues/Dialogue Displayer")]
[HelpURL("https://b1lodhand.github.io/absent-dialogues/api/com.absence.dialoguesystem.DialogueDisplayer
public class DialogueDisplayer : Singleton<DialogueDisplayer>
```

Methods

Display(Person, string)

Displays a speech with no options.

Declaration

```
public void Display(Person speaker, string speech)
```

Parameters

TYPE	NAME
Person	speaker
string	speech

Display(Person, string, List<Option>, Action<int>)

Displays a speech with options.

Declaration

```
public void Display(Person speaker, string speech, List<Option> options, Action<int> optionPressAction)
```

Parameters

TYPE	NAME
Person	speaker
string	speech
List<Option>	options
Action<int>	optionPressAction

Occupy()

Let's you occupy the sinleton. If it is occupied by any other scripts about dialogues, you can't occupy.

Declaration

```
public bool Occupy()
```

Returns

TYPE	DESCRIPTION
bool	Returns false if the display is already occupied. Returns true otherwise.

Release()

Removes the occupancy of the displayer. CAUTION! `DialogueDisplayer` does not hold a reference to the current occupier. Because of that, be careful calling this function.

Declaration

```
public void Release()
```



Class DialogueExtensionBase

This is the base class to derive from in order to handle some custom logic over the system.

Inheritance

- ↳ [object](#)
- ↳ [Object](#)
- ↳ [Component](#)
- ↳ [Behaviour](#)
- ↳ [MonoBehaviour](#)
- ↳ [DialogueExtensionBase](#)

[DialogueAnimationsPlayer](#)

[DialogueInputHandler_Legacy](#)

[DialogueSoundsPlayer](#)

Namespace: [com.absence.dialoguesystem](#)

Assembly: Assembly-CSharp-firstpass.dll

Syntax

```
[RequireComponent(typeof(DialogueInstance))]  
[HelpURL("https://b1llohand.github.io/absent-dialogues/api/com.absence.dialoguesystem.DialogueExtensior  
public abstract class DialogueExtensionBase : MonoBehaviour
```

Remarks

Execution order goes like:

```
OnHandleAdditionalData(...);  
OnBeforeSpeech(...);
```

Fields

m_instance

[DialogueInstance](#) component attached to the current gameobject.

Declaration

```
[SerializeField]
[Readonly]
protected DialogueInstance m_instance
```

Field Value

TYPE

DialogueInstance

Methods

OnAfterCloning()

Use to define what to do right after the target instance clones it's [ReferencedDialogue](#).

Declaration

```
protected virtual void OnAfterCloning()
```

OnBeforeSpeech(ref Person, ref string, ref List<Option>)

Use to define what to do with the original speech data right before displaying it.

Declaration

```
protected virtual void OnBeforeSpeech(ref Person speaker, ref string speech, ref List<Option> options)
```

Parameters

TYPE	NAME	DESCRIPTION
Person	speaker	Speaker of this speech.
string	speech	Speech in context.
List<Option>	options	Option of this speech.

OnDialogueUpdate()

Use to define what to do on each frame when the target instance is `InDialogue`

Declaration

```
protected virtual void OnDialogueUpdate()
```

OnHandleAdditionalData(AdditionalSpeechData)

Use to define what to do with the current `AdditionalSpeechData`. Gets called when the `m_instance` progresses.

Declaration

```
protected virtual void OnHandleAdditionalData(AdditionalSpeechData data)
```

Parameters

TYPE	NAME
<code>AdditionalSpeechData</code>	<code>data</code>



Class DialogueInputHandler_Legacy

A small component with the responsibility of using the input comes from player (uses legacy input system of unity) on the dialogue.

Inheritance

- ↳ [object](#)
- ↳ [Object](#)
- ↳ [Component](#)
- ↳ [Behaviour](#)
- ↳ [MonoBehaviour](#)
- ↳ [DialogueExtensionBase](#)

[DialogueInputHandler_Legacy](#)

Inherited Members

[DialogueExtensionBase.m_instance](#)

[DialogueExtensionBase.OnHandleAdditionalData\(AdditionalSpeechData\)](#)

[DialogueExtensionBase.OnBeforeSpeech\(ref Person, ref string, ref List<Option>\)](#)

[DialogueExtensionBase.OnAfterCloning\(\)](#)

Namespace: [com.absence.dialoguesystem](#)

Assembly: Assembly-CSharp-firstpass.dll

Syntax

```
[RequireComponent(typeof(DialogueInstance))]  
[AddComponentMenu("absencee_absent-dialogues/Dialogue Input Handler (Legacy)")]  
[DisallowMultipleComponent]  
[HelpURL("https://b1lodhand.github.io/absent-dialogues/api/com.absence.dialoguesystem.DialogueInputHanc  
public class DialogueInputHandler_Legacy : DialogueExtensionBase
```

Methods

OnDialogueUpdate()

Use to define what to do on each frame when the target instance is [InDialogue](#)

Declaration

```
protected override void OnDialogueUpdate()
```

Overrides

[DialogueExtensionBase.OnDialogueUpdate\(\)](#)



Class DialogueInstance

Lets you manage a single [DialoguePlayer](#) in the scene easily.

Inheritance

- ↳ [object](#)
- ↳ [Object](#)
- ↳ [Component](#)
- ↳ [Behaviour](#)
- ↳ [MonoBehaviour](#)
- ↳ [DialogueInstance](#)

Implements

[IUseDialogueInScene](#)

Namespace: [com.absence.dialoguesystem](#)

Assembly: Assembly-CSharp-firstpass.dll

Syntax

```
[AddComponentMenu("absencee_absent-dialogues/Dialogue Instance")]
[DisallowMultipleComponent]
[HelpURL("https://b1lodhand.github.io/absent-dialogues/api/com.absence.dialoguesystem.DialogueInstance.
public class DialogueInstance : MonoBehaviour, IUseDialogueInScene
```

Properties

ClonedDialogue

The dialogue cloned and in-use.

Declaration

```
public Dialogue ClonedDialogue { get; }
```

Property Value

TYPE

Dialogue

InDialogue

Use to check if this instance is in progress right now.

Declaration

```
public bool InDialogue { get; }
```

Property Value

TYPE

bool

Player

DialoguePlayer of this instance.

Declaration

```
public DialoguePlayer Player { get; }
```

Property Value

TYPE

DialoguePlayer

ReferencedDialogue

The original dialogue provided for the script (not the cloned one).

Declaration

```
public Dialogue ReferencedDialogue { get; }
```

Property Value

TYPE

Dialogue

Methods

AddExtension<T>()

Adds a `DialogueExtensionBase` to the target dialogue instance. **Does not work runtime.**

Declaration

```
public void AddExtension<T>() where T : DialogueExtensionBase
```

Type Parameters

NAME

T

EnterDialogue()

Use to enter dialogue.

Declaration

```
public bool EnterDialogue()
```

Returns

TYPE	DESCRIPTION
------	-------------

`bool` **False** if the `DialogueDisplayer` is already occupied by any other script. Returns **true** otherwise.

ExitDialogue()

Use to exit current dialogue.

Declaration

```
public void ExitDialogue()
```

Events

OnAfterCloning

Action which will get invoked right after this instance clons it's [ReferencedDialogue](#).

Declaration

```
public event Action OnAfterCloning
```

Event Type

TYPE

Action

OnBeforeSpeech

Subscribe to this delegate to override any data will get displayed.

Declaration

```
public event DialogueInstance.SpeechEventHandler OnBeforeSpeech
```

Event Type

TYPE

[DialogueInstance.SpeechEventHandler](#)

OnHandleAdditionalData

The Action which will get invoked when [HandleAdditionalData\(\)](#) gets called.

Declaration

```
public event Action<AdditionalSpeechData> OnHandleAdditionalData
```

Event Type

TYPE

Action<AdditionalSpeechData>

Implements

IUseDialogueInScene



Delegate DialogueInstance.SpeechEvent Handler

The delegate responsible for handling events directly about speech.

Namespace: [com.absence.dialoguesystem](#)

Assembly: Assembly-CSharp-firstpass.dll

Syntax

```
public delegate void DialogueInstance.SpeechEventHandler(ref Person speaker, ref string speech, ref List<Option> options);
```

Parameters

TYPE	NAME	DESCRIPTION
Person	speaker	Speaker of this speech.
string	speech	Speech in context.
List<Option>	options	Options of this speech (null if there is no options).



Class DialogueOptionText

A small component that manages the functionality of an option's drawing and input.

Inheritance

- ↳ [object](#)
- ↳ [Object](#)
- ↳ [Component](#)
- ↳ [Behaviour](#)
- ↳ [MonoBehaviour](#)
- ↳ [DialogueOptionText](#)

Namespace: [com.absence.dialoguesystem](#)

Assembly: Assembly-CSharp-firstpass.dll

Syntax

```
[AddComponentMenu("absencee_absent-dialogues/Option Text")]
[HelpURL("https://b11odhand.github.io/absent-dialogues/api/com.absence.dialoguesystem.DialogueOptionText")]
public class DialogueOptionText : MonoBehaviour
```

Methods

Initialize(int, string)

Sets the index and the text of this option.

Declaration

```
public void Initialize(int optionIndex, string text)
```

Parameters

TYPE	NAME
------	------

int	optionIndex
-----	-------------

string	text
--------	------

OnClick()

Calls `OnClickAction`.

Declaration

```
public void OnClick()
```

Events

OnClickAction

Declaration

```
public event Action<int> OnClickAction
```

Event Type

TYPE

`Action<int>`



Class DialoguePlayer

Lets you progress in a dialogue easily.

Inheritance

```
↳ object
    ↳ DialoguePlayer
Namespace: com.absence.dialoguesystem
Assembly: Assembly-CSharp-firstpass.dll
```

Syntax

```
[Serializable]
[HelpURL("https://b11odhand.github.io/absent-dialogues/api/com.absence.dialoguesystem.DialoguePlayer.htm")]
public class DialoguePlayer
```

Constructors

DialoguePlayer(Dialogue)

Use to create a new [DialoguePlayer](#).

Declaration

```
public DialoguePlayer(Dialogue dialogue)
```

Parameters

TYPE	NAME	DESCRIPTION
Dialogue	dialogue	The original dialogue to clone from.

DialoguePlayer(Dialogue, List<Person>)

Use to create a new `DialoguePlayer` with an overridden people list.

Declaration

```
public DialoguePlayer(Dialogue dialogue, List<Person> overridePeople)
```

Parameters

TYPE	NAME	DESCRIPTION
Dialogue	dialogue	The original dialogue to clone from.
List<Person>	overridePeople	The list of new people.

Properties

AdditionalSpeechData

Additional data of the current node.

Declaration

```
public AdditionalSpeechData AdditionalSpeechData { get; }
```

Property Value

TYPE

AdditionalSpeechData

ClonedDialogue

The dialogue cloned from the original one from constructor.

Declaration

```
public Dialogue ClonedDialogue { get; }
```

Property Value

TYPE

Dialogue

HasOptions

Use to check if current node is a `FastSpeechNode` or not.

Declaration

```
public bool HasOptions { get; }
```

Property Value

TYPE

bool

HasPerson

Use to check if current node `PersonDependent` or not.

Declaration

```
public bool HasPerson { get; }
```

Property Value

TYPE

bool

HasSpeech

Use to check if current node is a `IContainSpeech` or not.

Declaration

```
public bool HasSpeech { get; }
```

Property Value

TYPE

bool

Options

Options of the current node, if there is any.

Declaration

```
public List<Option> Options { get; }
```

Property Value

TYPE

List<Option>

Speaker

Person who speaks.

Declaration

```
public Person Speaker { get; }
```

Property Value

TYPE

Person

Speech

Speech of the current node.

Declaration

```
public string Speech { get; }
```

Property Value

TYPE

string

State

Current state of the player.

Declaration

```
public DialoguePlayer.PlayerState State { get; }
```

Property Value

TYPE

DialoguePlayer.PlayerState

Methods

Continue(params object[])

Use to progress in the target dialogue with some optional data.

Declaration

```
public void Continue(params object[] passData)
```

Parameters

TYPE	NAME	DESCRIPTION
object[]	passData	Anything that you want to pass as data. (e.g. DecisionSpeechNode uses the [0] element to get the selected option index.)

TeleportToRoot()

Teleports the flow to the [RootNode](#) of the dialogue clone.

Declaration

```
public void TeleportToRoot()
```

OnContinue

Action which will get invoked when `Continue(params object[])` gets called.

Declaration

```
public event Action<DialoguePlayer.PlayerState> OnContinue
```

Event Type

TYPE

`Action<DialoguePlayer.PlayerState>`



Enum DialoguePlayer.PlayerState

Shows what state the dialogue player is in.

Namespace: [com.absence.dialoguesystem](#)

Assembly: Assembly-CSharp-firstpass.dll

Syntax

```
public enum DialoguePlayer.PlayerState
```

Fields

NAME	DESCRIPTION
NoSpeech	The player is not displaying any dialogue or the current node is not IContainSpeech .
WaitingForOption	The player is displaying a speech which has some options and waiting for player to pick an option.
WaitingForSkip	The player is displaying a speech without any options and waiting for the player to skip it.
WillExit	The player's last node was a ExitDialogAfterwards .



Class DialogueSoundsPlayer

A small component which is responsible for playing the sounds (if there is any) of the `DialogueInstance` attached to the same gameobject.

Inheritance

- ↳ `object`
- ↳ `Object`
- ↳ `Component`
- ↳ `Behaviour`
- ↳ `MonoBehaviour`
- ↳ `DialogueExtensionBase`

`DialogueSoundsPlayer`

Inherited Members

`DialogueExtensionBase.m_instance`
`DialogueExtensionBase.OnBeforeSpeech(ref Person, ref string, ref List<Option>)`
`DialogueExtensionBase.OnAfterCloning()`
`DialogueExtensionBase.OnDialogueUpdate()`

Namespace: `com.absence.dialoguesystem`

Assembly: Assembly-CSharp-firstpass.dll

Syntax

```
[RequireComponent(typeof(DialogueInstance))]  
[AddComponentMenu("absencee_absent-dialogues/Dialogue Sounds Player")]  
[DisallowMultipleComponent]  
[HelpURL("https://b1lodhand.github.io/absent-dialogues/api/com.absence.dialoguesystem.DialogueSoundsPlayer")]  
public class DialogueSoundsPlayer : DialogueExtensionBase
```

Methods

OnHandleAdditionalData(AdditionalSpeechData)

Use to define what to do with the current `AdditionalSpeechData`. Gets called when the `m_instance` progresses.

Declaration

```
protected override void OnHandleAdditionalData(AdditionalSpeechData data)
```

Parameters

TYPE	NAME
AdditionalSpeechData	data

Overrides

[DialogueExtensionBase.OnHandleAdditionalData\(AdditionalSpeechData\)](#)



Interface IUseDialogueInScene

Any game object with a script that implements this interface attached will display it's dialogue when gets selected.

Namespace: [com.absence.dialoguesystem](#)

Assembly: Assembly-CSharp-firstpass.dll

Syntax

```
public interface IUseDialogueInScene
```

Properties

ClonedDialogue

The dialogue cloned and in-use.

Declaration

```
Dialogue ClonedDialogue { get; }
```

Property Value

TYPE

[Dialogue](#)

ReferencedDialogue

The original dialogue provided for the script (not the cloned one).

Declaration

```
Dialogue ReferencedDialogue { get; }
```

TYPE

Dialogue



Namespace com.absence.dialoguesystem.editor

Classes

[BlackboardView](#)

A visual element subtype which is responsible for displaying a `Blackboard`.

[BlackboardView.UxmlFactory](#)

[DialogueCreationHandler](#)

A script responsible for handling the creation of a dialogue.

[DialogueEditorWindow](#)

The dialogue editor window responsible for letting you open, edit and save a dialogue.

[DialogueGraphView](#)

The graph view responsible for rendering a dialogue's graph elements.

[DialogueGraphView.UxmlFactory](#)

[InspectorView](#)

A visual element subtype which is responsible for rendering a node's inspector properties when selected.

[InspectorView.UxmlFactory](#)

[NodeView](#)

The view class responsible for rendering a node's data in the graph.

[RuntimeSelectionHandler](#)

It handles the selection events of `IUseDialogueInScene` game objects.

[SplitView](#)

[SplitView.UxmlFactory](#)



Class BlackboardView

A visual element subtype which is responsible for displaying a [Blackboard](#).

Inheritance

- ↳ [object](#)
- ↳ [CallbackEventHandler](#)
- ↳ [Focusable](#)
- ↳ [VisualElement](#)
- ↳ [BlackboardView](#)

Implements

- [IEventHandler](#)
- [IResolvedStyle](#)
- [ITransform](#)
- [ITransitionAnimations](#)
- [IExperimentalFeatures](#)
- [IVisualElementScheduler](#)

Namespace: [com.absence.dialoguesystem.editor](#)

Assembly: Assembly-CSharp-Editor-firstpass.dll

Syntax

```
[HelpURL("https://b1lodhand.github.io/absent-dialogues/api/com.absence.dialoguesystem.editor.Blackboar
public class BlackboardView : VisualElement, IEventHandler, IResolvedStyle, ITransform, ITransitionAnin
```

Constructors

BlackboardView()

Declaration

```
public BlackboardView()
```

Implements

UnityEngine.UIElements.IEventHandler
UnityEngine.UIElements.IResolvedStyle
UnityEngine.UIElements.ITransform
UnityEngine.UIElements.Experimental.ITransitionAnimations
UnityEngine.UIElements.IExperimentalFeatures
UnityEngine.UIElements.IVisualElementScheduler



Class BlackboardView.UxmlFactory

Inheritance

↳ [object](#)

↳ [BaseUxmlFactory<BlackboardView, VisualElement.UxmlTraits>](#)

↳ [UxmlFactory<BlackboardView, VisualElement.UxmlTraits>](#)

↳ [BlackboardView.UxmlFactory](#)

Implements

[IUxmlFactory](#)

[IBaseUxmlFactory](#)

Namespace: [com.absence.dialoguesystem.editor](#)

Assembly: Assembly-CSharp-Editor-firstpass.dll

Syntax

```
public class BlackboardView.UxmlFactory : UxmlFactory<BlackboardView, VisualElement.UxmlTraits>, IUxmlF
```

Implements

[UnityEngine.UIElements.IUxmlFactory](#)

[UnityEngine.UIElements.IBaseUxmlFactory](#)



Class DialogueCreationHandler

A script responsible for handling the creation of a dialogue.

Inheritance

↳ **object**
↳ DialogueCreationHandler

Namespace: [com.absence.dialoguesystem.editor](#)

Assembly: Assembly-CSharp-Editor-firstpass.dll

Syntax

```
[HelpURL("https://b11odhand.github.io/absent-dialogues/api/com.absence.dialoguesystem.editor.DialogueCr
public static class DialogueCreationHandler
```



Class DialogueEditorWindow

The dialogue editor window responsible for letting you open, edit and save a dialogue.

Inheritance

- ↳ [object](#)
- ↳ [Object](#)
- ↳ [ScriptableObject](#)
- ↳ [EditorWindow](#)
- ↳ [DialogueEditorWindow](#)

Inherited Members

[ScriptableObject.SetDirty\(\)](#)
[ScriptableObject.CreateInstance\(string\)](#)
[ScriptableObject.CreateInstance\(Type\)](#)
[ScriptableObject.CreateInstance<T>\(\)](#)
Namespace: [com.absence.dialoguesystem.editor](#)
Assembly: Assembly-CSharp-Editor-firstpass.dll

Syntax

```
[HelpURL("https://b1lodhand.github.io/absent-dialogues/api/com.absence.dialoguesystem.editor.DialogueE
public sealed class DialogueEditorWindow : EditorWindow
```

Methods

CreateGUI()

Declaration

```
public void CreateGUI()
```

FrameToNode(Node)

Teleports the view to the target node and selects it.

Declaration

```
public void FrameToNode(Node node)
```

Parameters

TYPE	NAME	DESCRIPTION
------	------	-------------

Node	node	Target node.
------	------	--------------

LoadLastDialogue()

Use to load the last dialogue displayed in the editor.

Declaration

```
public static void LoadLastDialogue()
```

OnOpenAsset(int, int)

The method that handles the asset selection events.

Declaration

```
[OnOpenAsset]  
public static bool OnOpenAsset(int instanceId, int line)
```

Parameters

TYPE	NAME
------	------

int	instanceId
int	line

Returns

TYPE

bool

OpenWindow()

Use to open the dialogue editor window.

Declaration

```
[MenuItem("absentee/_absent-dialogues/Open Dialogue Graph Window")]
public static void OpenWindow()
```

PopulateDialogueView(Dialogue)

Use to display a dialogue in the graph.

Declaration

```
public static bool PopulateDialogueView(Dialogue dialogue)
```

Parameters

TYPE	NAME	DESCRIPTION
Dialogue	dialogue	Target dialogue.

Returns

TYPE
bool

SaveLastDialogue()

Use to save the dialogue displayed currently in the editor.

Declaration

```
public static void SaveLastDialogue()
```

SelectNode(Node)

Selects the target node.

Declaration

```
public void SelectNode(Node node)
```

Parameters

TYPE	NAME	DESCRIPTION
Node	node	Target node.

Events

OnGUIDelayCall

Gets invoked when `CreateGUI()` gets called. **Clears itself everytime it gets invoked.**

Declaration

```
public static event Action OnGUIDelayCall
```

Event Type

TYPE
Action



Class DialogueGraphView

The graph view responsible for rendering a dialogue's graph elements.

Inheritance

- ↳ [object](#)
- ↳ [CallbackEventHandler](#)
- ↳ [Focusable](#)
- ↳ [VisualElement](#)
- ↳ [GraphView](#)
- ↳ [DialogueGraphView](#)

Implements

[IEventHandler](#)

[IResolvedStyle](#)

[ITransform](#)

[ITransitionAnimations](#)

[IExperimentalFeatures](#)

[IVisualElementScheduler](#)

Namespace: [com.absence.dialoguesystem.editor](#)

Assembly: Assembly-CSharp-Editor-firstpass.dll

Syntax

```
[HelpURL("https://b1lodhand.github.io/absent-dialogues/api/com.absence.dialoguesystem.editor.DialogueGr
public sealed class DialogueGraphView : GraphView, IEventHandler, IResolvedStyle, ITransform, ITransiti
```

Constructors

[DialogueGraphView\(\)](#)

Default constructor.

Declaration

```
public DialogueGraphView()
```

Methods

BuildContextMenu(ContextualMenuPopulateEvent)

Add menu items to the contextual menu.

Declaration

```
public override void BuildContextMenu(ContextualMenuPopulateEvent evt)
```

Parameters

TYPE	NAME	DESCRIPTION
ContextualMenuPopulateEvent	evt	The event holding the menu to populate.

Overrides

UnityEditor.Experimental.GraphView.GraphView.BuildContextMenu(UnityEngine.UIElements.ContextualMenuPopulateEvent)

FindNodeView(Node)

Use to find the view of a node.

Declaration

```
public NodeView FindNodeView(Node node)
```

Parameters

TYPE	NAME	DESCRIPTION
Node	node	Target node.

Returns

TYPE	DESCRIPTION
NodeView	Returns the view of the target node.

GetCompatiblePorts(Port, NodeAdapter)

Get all ports compatible with given port.

Declaration

```
public override List<Port> GetCompatiblePorts(Port startPort, NodeAdapter nodeAdapter)
```

Parameters

TYPE	NAME	DESCRIPTION
Port	startPort	Start port to validate against.
NodeAdapter	nodeAdapter	Node adapter.

Returns

TYPE	DESCRIPTION
List<Port>	List of compatible ports.

Overrides

UnityEditor.Experimental.GraphView.GraphView.GetCompatiblePorts(UnityEditor.Experimental.GraphView.Port, UnityEditor.Experimental.GraphView.NodeAdapter)

Refresh()

Use to refresh the current graph view.

Declaration

```
public void Refresh()
```

Events

OnNodeSelected

Gets invoked when a node gets selected.

Declaration

```
public event Action<NodeView> OnNodeSelected
```

Event Type

TYPE

Action<NodeView>

OnPopulateView

Gets invoked when a dialogue gets displayed.

Declaration

```
public event Action OnPopulateView
```

Event Type

TYPE

Action

Implements

UnityEngine.UIElements.IEventHandler

UnityEngine.UIElements.IResolvedStyle

UnityEngine.UIElements.ITransform

UnityEngine.UIElements.Experimental.ITransitionAnimations

UnityEngine.UIElements.IExperimentalFeatures

UnityEngine.UIElements.IVisualElementScheduler



Class DialogueGraphView.UxmlFactory

Inheritance

↳ [object](#)

↳ [BaseUxmlFactory<DialogueGraphView, VisualElement.UxmlTraits>](#)

↳ [UxmlFactory<DialogueGraphView, VisualElement.UxmlTraits>](#)

↳ [DialogueGraphView.UxmlFactory](#)

Implements

[IUxmlFactory](#)

[IBaseUxmlFactory](#)

Namespace: [com.absence.dialoguesystem.editor](#)

Assembly: Assembly-CSharp-Editor-firstpass.dll

Syntax

```
public class DialogueGraphView.UxmlFactory : UxmlFactory<DialogueGraphView, VisualElement.UxmlTraits>,
```

Implements

[UnityEngine.UIElements.IUxmlFactory](#)

[UnityEngine.UIElements.IBaseUxmlFactory](#)



Class InspectorView

A visual element subtype which is responsible for rendering a node's inspector properties when selected.

Inheritance

- ↳ [object](#)
- ↳ [CallbackEventHandler](#)
- ↳ [Focusable](#)
- ↳ [VisualElement](#)
- ↳ [InspectorView](#)

Implements

- [IEventHandler](#)
- [IResolvedStyle](#)
- [ITransform](#)
- [ITransitionAnimations](#)
- [IExperimentalFeatures](#)
- [IVisualElementScheduler](#)

Namespace: [com.absence.dialoguesystem.editor](#)

Assembly: Assembly-CSharp-Editor-firstpass.dll

Syntax

```
[HelpURL("https://b1lodhand.github.io/absent-dialogues/api/com.absence.dialoguesystem.editor.InspectorView")]
public class InspectorView : VisualElement, IEventHandler, IResolvedStyle, ITransform, ITransitionAnimations, IExperimentalFeatures, IVisualElementScheduler
```

Constructors

InspectorView()

Default constructor.

Declaration

```
public InspectorView()
```

Implements

UnityEngine.UIElements.IEventHandler
UnityEngine.UIElements.IResolvedStyle
UnityEngine.UIElements.ITransform
UnityEngine.UIElements.Experimental.ITransitionAnimations
UnityEngine.UIElements.IExperimentalFeatures
UnityEngine.UIElements.IVisualElementScheduler



Class InspectorView.UxmlFactory

Inheritance

- ↳ [object](#)
- ↳ [BaseUxmlFactory<InspectorView, VisualElement.UxmlTraits>](#)
- ↳ [UxmlFactory<InspectorView, VisualElement.UxmlTraits>](#)
- ↳ [InspectorView.UxmlFactory](#)

Implements

[IUxmlFactory](#)
[IBaseUxmlFactory](#)

Namespace: [com.absence.dialoguesystem.editor](#)
Assembly: Assembly-CSharp-Editor-firstpass.dll

Syntax

```
public class InspectorView.UxmlFactory : UxmlFactory<InspectorView, VisualElement.UxmlTraits>, IUxmlFac
```

Implements

[UnityEngine.UIElements.IUxmlFactory](#)
[UnityEngine.UIElements.IBaseUxmlFactory](#)



Class NodeView

The view class responsible for rendering a node's data in the graph.

Inheritance

- ↳ [object](#)
- ↳ [CallbackEventHandler](#)
- ↳ [Focusable](#)
- ↳ [VisualElement](#)
- ↳ [GraphElement](#)
- ↳ [Node](#)

[NodeView](#)

Implements

- [IEventHandler](#)
- [IResolvedStyle](#)
- [ITransform](#)
- [ITransitionAnimations](#)
- [IExperimentalFeatures](#)
- [IVisualElementScheduler](#)

Namespace: [com.absence.dialoguesystem.editor](#)

Assembly: Assembly-CSharp-Editor-firstpass.dll

Syntax

```
[HelpURL("https://b1l0dhand.github.io/absent-dialogues/api/com.absence.dialoguesystem.editor.NodeView")]
public class NodeView : Node, IEventHandler, IResolvedStyle, ITransform, ITransitionAnimations, IExperi
```

Constructors

NodeView(Node)

Use to construct a node view from a node.

Declaration

```
public NodeView(Node node)
```

Parameters

TYPE	NAME	DESCRIPTION
Node	node	Target node.

Fields

Input

The left-hand side port.

Declaration

```
public Port Input
```

Field Value

TYPE

Port

K_PERSONDEPENDENT_CLASSNAME

The USS class name for person dependent nodes.

Declaration

```
public static string K_PERSONDEPENDENT_CLASSNAME
```

Field Value

TYPE

string

Node

The node this view displays.

Declaration

```
public Node Node
```

Field Value

TYPE

Node

OnNodeSelected

Action gets invoked when this node gets selected or unselected.

Declaration

```
public Action<NodeView> OnNodeSelected
```

Field Value

TYPE

Action<NodeView>

Outputs

A list of right-hand side ports.

Declaration

```
public List<Port> Outputs
```

Field Value

TYPE

List<Port>

Properties

Master

The graph we're in.

Declaration

```
public DialogueGraphView Master { get; }
```

Property Value

TYPE

DialogueGraphView

Methods

OnSelected()

Called when the GraphElement is selected.

Declaration

```
public override void OnSelected()
```

Overrides

UnityEditor.Experimental.GraphView.GraphElement.OnSelected()

OnUnselected()

Called when the GraphElement is unselected.

Declaration

```
public override void OnUnselected()
```

Overrides

UnityEditor.Experimental.GraphView.GraphElement.OnUnselected()

SetPosition(Rect)

Set node position.

Declaration

```
public override void SetPosition(Rect newPos)
```

Parameters

TYPE	NAME	DESCRIPTION
------	------	-------------

Rect	newPos	New position.
------	--------	---------------

Overrides

UnityEditor.Experimental.GraphView.Node.SetPosition(UnityEngine.Rect)

Implements

UnityEngine.UIElements.IEventHandler

UnityEngine.UIElements.IResolvedStyle

UnityEngine.UIElements.ITransform

UnityEngine.UIElements.Experimental.ITransitionAnimations

UnityEngine.UIElements.IExperimentalFeatures

UnityEngine.UIElements.IVisualElementScheduler



Class RuntimeSelectionHandler

It handles the selection events of `IUseDialogueInScene` game objects.

Inheritance

↳ `object`
↳ `RuntimeSelectionHandler`

Namespace: [com.absence.dialoguesystem.editor](#)

Assembly: Assembly-CSharp-Editor-firstpass.dll

Syntax

```
[InitializeOnLoad]
[HelpURL("https://b11odhand.github.io/absent-dialogues/api/com.absence.dialoguesystem.editor.RuntimeSel
public static class RuntimeSelectionHandler
```



Class SplitView

Inheritance

- ↳ [object](#)
- ↳ [CallbackEventHandler](#)
- ↳ [Focusable](#)
- ↳ [VisualElement](#)
- ↳ [TwoPaneSplitView](#)
- ↳ [SplitView](#)

Implements

- [IEventHandler](#)
- [IResolvedStyle](#)
- [ITransform](#)
- [ITransitionAnimations](#)
- [IExperimentalFeatures](#)
- [IVisualElementScheduler](#)

Inherited Members

- [TwoPaneSplitView.CollapseChild\(int\)](#)
- [TwoPaneSplitView.UnCollapse\(\)](#)
- [TwoPaneSplitView.fixedPane](#)
- [TwoPaneSplitView.flexedPane](#)
- [TwoPaneSplitView.fixedPanelIndex](#)
- [TwoPaneSplitView.fixedPanelInitialDimension](#)
- [TwoPaneSplitView.orientation](#)
- [TwoPaneSplitView.contentContainer](#)

Namespace: [com.absence.dialoguesystem.editor](#)
Assembly: Assembly-CSharp-Editor-firstpass.dll

Syntax

```
public class SplitView : TwoPaneSplitView, IEventHandler, IResolvedStyle, ITransform, ITransitionAnimat
```

Implements

- [UnityEngine.UIElements.IEventHandler](#)
- [UnityEngine.UIElements.IResolvedStyle](#)

UnityEngine.UIElements.ITransform

UnityEngine.UIElements.Experimental.ITransitionAnimations

UnityEngine.UIElements.IExperimentalFeatures

UnityEngine.UIElements.IVisualElementScheduler



Class SplitView.UxmlFactory

Inheritance

- ↳ [object](#)
- ↳ [BaseUxmlFactory<SplitView, TwoPaneSplitView.UxmlTraits>](#)
- ↳ [UxmlFactory<SplitView, TwoPaneSplitView.UxmlTraits>](#)
- ↳ [SplitView.UxmlFactory](#)

Implements

[IUxmlFactory](#)
[IBaseUxmlFactory](#)

Namespace: [com.absence.dialoguesystem.editor](#)
Assembly: Assembly-CSharp-Editor-firstpass.dll

Syntax

```
public class SplitView.UxmlFactory : UxmlFactory<SplitView, TwoPaneSplitView.UxmlTraits>, IUxmlFactory,
```

Implements

[UnityEngine.UIElements.IUxmlFactory](#)
[UnityEngine.UIElements.IBaseUxmlFactory](#)



Namespace com.absence.dialoguesystem.internals

Classes

ActionNode

Node which invokes some actions on the flow.

AdditionalSpeechData

Holds some extra data which you can use on the flow.

Blackboard

This is a class for holding any variables in the dialogues. It also contains a [VariableBank](#).

ConditionNode

Node which re-routes the flow under some conditions.

DecisionSpeechNode

Node which displays a speech with options.

DialoguePartNode

Node which let's you create more and separate routes.

FastSpeechNode

Node which displays a speech without options.

GotoNode

Node which teleports the flow to a specific [DialoguePartNode](#).

Node

This is the base abstract class to derive from for any new node subtypes.

NodeVariableComparer

The comparer specifically designed for working with dialogue nodes.

NodeVariableSetter

The setter specifically designed for working with dialogue nodes.

Option

The type to hold references to dialogue options.

Option.ShowIf

A class specifically designed for calculating an option's visibility.

RootNode

Node which is essential if you want to have a dialogue graph.

StickyNoteNode

Node which contains a user defined string.

TitleNode

Node which is simply `StickyNoteNode` but bigger.

Interfaces

IContainSpeech

Interface to use if any of your dialogue elements has a speech, has options or has `AdditionalSpeechData`.

IContainVariableManipulators

Any node subtype with this interface implemented will refresh its VariableComparers and VariableSetters to have the correct reference to the `Bank` of the current `Dialogue` everytime the editor window refreshes.

Enums

Node.NodeState

Describes the node's state on the flow. While progressing in the dialogue.

VBProcessType

An enum used to define the way to handle multiple variable manipulators at once.



Class ActionNode

Node which invokes some actions on the flow.

Inheritance

- ↳ [object](#)
- ↳ [Object](#)
- ↳ [ScriptableObject](#)
- ↳ [Node](#)
- ↳ [ActionNode](#)

Implements

[IContainVariableManipulators](#)

Inherited Members

- [Node.Guid](#)
- [Node.Position](#)
- [Node.MasterDialogue](#)
- [Node.Blackboard](#)
- [Node.State](#)
- [Node.ExitDialogAfterwards](#)
- [Node.OnSetState](#)
- [Node.OnRemove](#)
- [Node.OnValidation](#)
- [Node.OnReach](#)
- [Node.OnPass](#)
- [Node.PersonIndex](#)
- [Node.Person](#)
- [Node.DisplayState](#)
- [Node.ShowInMinimap](#)
- [Node.PersonDependent](#)
- [Node.AddNextNode\(Node, int\)](#)
- [Node.RemoveNextNode\(int\)](#)
- [Node.GetNextNodes\(\)](#)
- [Node.Pass\(params object\[\]\)](#)
- [Node.Reach\(\)](#)
- [Node.OnRemoval\(\)](#)
- [Node.GetInputPortNameForCreation\(\)](#)
- [Node.GetOutputPortNamesForCreation\(\)](#)
- [Node.SetState\(Node.NodeState\)](#)
- [Node.Clone\(\)](#)
- [ScriptableObject.SetDirty\(\)](#)

ScriptableObject.CreateInstance(string)

ScriptableObject.CreateInstance(Type)

ScriptableObject.CreateInstance<T>()

Namespace: com.absence.dialoguesystem.internals

Assembly: Assembly-CSharp-firstpass.dll

Syntax

```
[HelpURL("https://b1lodhand.github.io/absent-dialogues/api/com.absence.dialoguesystem.internals.Action")]
public class ActionNode : Node, IContainVariableManipulators
```

Remarks

Execution order goes like:

```
VBActions.ForEach(action => action.Perform());
UnityEvents?.Invoke();
CustomAction();
```

Fields

Next

Declaration

```
[HideInInspector]
public Node Next
```

Field Value

TYPE

Node

UnityEvents

Declaration

```
[Tooltip("All of the unity based events of this action node.")]
public UnityEvent UnityEvents
```

Field Value

TYPE

UnityEvent

VBActions

Declaration

```
[Tooltip("All of the 'VariableBank' based actions of this action node.")]  
public List<NodeVariableSetter> VBActions
```

Field Value

TYPE

List<NodeVariableSetter>

Methods

AddNextNode_Inline(Node, int)

Use to write the functionality of connecting a node to any port of this node.

Declaration

```
protected override void AddNextNode_Inline(Node nextWillBeAdded, int atPort)
```

Parameters

TYPE NAME

Node nextWillBeAdded

int atPort

Overrides

[Node.AddNextNode_Inline\(Node, int\)](#)

CustomAction()

Use to define what to do when this action node gets passed on the flow.

Declaration

```
protected virtual void CustomAction()
```

DelayedClone(Dialogue)

This method will get called right after the dialogue gets cloned.

Declaration

```
public void DelayedClone(Dialogue originalDialogue)
```

Parameters

TYPE	NAME	DESCRIPTION
Dialogue	originalDialogue	This is the dialogue the cloned dialogue had cloned from.

GetClassName()

Use if you have a special USS class for this node. If you don't have any, return null.

Declaration

```
public override string GetClassName()
```

Returns

TYPE	DESCRIPTION
string	Returns the USS class name of this node type as a string.

Overrides

[Node.GetClassName\(\)](#)

GetComparers()

A list of comparers which you want to restrict in terms of VariableBank selection

Declaration

```
public List<NodeVariableComparer> GetComparers()
```

Returns

TYPE

List<NodeVariableComparer>

GetNextNodes_Inline(ref List<(int portIndex, Node node)>)

Use to describe the editor which nodes are the next nodes of this one in the chain by modifying the list.

Declaration

```
protected override void GetNextNodes_Inline(ref List<(int portIndex, Node node)> result)
```

Parameters

TYPE	NAME
List<(int portIndex, Node node)>	result

Overrides

[Node.GetNextNodes_Inline\(ref List<\(int portIndex, Node node\)>\)](#)

GetSetters()

A list of comparers which you want to restrict in terms of VariableBank selection

Declaration

```
public List<NodeVariableSetter> GetSetters()
```

Returns

TYPE

List<NodeVariableSetter>

GetTitle()

Use to set the title of this node type in the graph view.

Declaration

```
public override string GetTitle()
```

Returns

TYPE	DESCRIPTION
------	-------------

string	The title as a string.
--------	------------------------

Overrides

[Node.GetTitle\(\)](#)

OnValidate()

Declaration

```
protected override void OnValidate()
```

Overrides

[Node.OnValidate\(\)](#)

Pass_Inline(params object[])

Use to write what happens when the dialogue passes this node.

Declaration

```
protected override void Pass_Inline(params object[] passData)
```

Parameters

TYPE	NAME
------	------

object[]	passData
----------	----------

Overrides

[Node.Pass_Inline\(params object\[\]\)](#)

Reach_Inline()

Use to write what happens when the dialogue reaches this node.

Declaration

```
protected override void Reach_Inline()
```

Overrides

[Node.Reach_Inline\(\)](#)

RemoveNextNode_Inline(int)

Use to write the functionality of removing the next node of this one.

Declaration

```
protected override void RemoveNextNode_Inline(int atPort)
```

Parameters

TYPE	NAME
int	atPort

Overrides

[Node.RemoveNextNode_Inline\(int\)](#)

Traverse(Action<Node>)

Use to traverse any action on a node chain. Nodes not connected directly won't transmit the action to another.

Declaration

```
public override void Traverse(Action<Node> action)
```

Parameters

TYPE	NAME
Action<Node>	action

Overrides

Implements

IContainVariableManipulators



Class AdditionalSpeechData

Holds some extra data which you can use on the flow.

Inheritance

↳ [object](#)

↳ [AdditionalSpeechData](#)

Namespace: [com.absence.dialoguesystem.internals](#)

Assembly: Assembly-CSharp-firstpass.dll

Syntax

```
[Serializable]
[HelpURL("https://b11odhand.github.io/absent-dialogues/api/com.absence.dialoguesystem.internals.Additio
public class AdditionalSpeechData
```

Properties

AnimatorMemberName

Declaration

```
public string AnimatorMemberName { get; }
```

Property Value

TYPE

[string](#)

AudioClip

Declaration

```
public AudioClip AudioClip { get; }
```

Property Value

TYPE

AudioClip

CustomInfo

Declaration

```
public string[] CustomInfo { get; }
```

Property Value

TYPE

string[]

Sprite

Declaration

```
public Sprite Sprite { get; }
```

Property Value

TYPE

Sprite



Class Blackboard

This is a class for holding any variables in the dialogues. It also contains a [VariableBank](#).

Inheritance

```
↳ object
    ↳ Blackboard
```

Namespace: [com.absence.dialoguesystem.internals](#)

Assembly: Assembly-CSharp-firstpass.dll

Syntax

```
[Serializable]
[HelpURL("https://b11odhand.github.io/absent-dialogues/api/com.absence.dialoguesystem.internals.Blackbo
public class Blackboard
```

Fields

Bank

Bank of this blackboard.

Declaration

```
[HideInInspector]
public VariableBank Bank
```

Field Value

TYPE

[VariableBank](#)

Methods

Clone()

Use to clone this blackboard.

Declaration

```
public Blackboard Clone()
```

Returns

TYPE

Blackboard



Class ConditionNode

Node which re-routes the flow under some conditions.

Inheritance

- ↳ [object](#)
- ↳ [Object](#)
- ↳ [ScriptableObject](#)
- ↳ [Node](#)
- ↳ [ConditionNode](#)

Implements

[IContainVariableManipulators](#)

Inherited Members

- [Node.Guid](#)
- [Node.Position](#)
- [Node.MasterDialogue](#)
- [Node.Blackboard](#)
- [Node.State](#)
- [Node.ExitDialogAfterwards](#)
- [Node.OnSetState](#)
- [Node.OnRemove](#)
- [Node.OnValidation](#)
- [Node.OnReach](#)
- [Node.OnPass](#)
- [Node.PersonIndex](#)
- [Node.Person](#)
- [Node.DisplayState](#)
- [Node.ShowInMinimap](#)
- [Node.PersonDependent](#)
- [Node.AddNextNode\(Node, int\)](#)
- [Node.RemoveNextNode\(int\)](#)
- [Node.GetNextNodes\(\)](#)
- [Node.Pass\(params object\[\]\)](#)
- [Node.Reach\(\)](#)
- [Node.OnRemoval\(\)](#)
- [Node.GetInputPortNameForCreation\(\)](#)
- [Node.SetState\(Node.NodeState\)](#)
- [Node.Clone\(\)](#)
- [ScriptableObject.SetDirty\(\)](#)
- [ScriptableObject.CreateInstance\(string\)](#)

[ScriptableObject.CreateInstance\(Type\)](#)

[ScriptableObject.CreateInstance<T>\(\)](#)

Namespace: [com.absence.dialoguesystem.internals](#)

Assembly: Assembly-CSharp-firstpass.dll

Syntax

```
[HelpURL("https://b1lodhand.github.io/absent-dialogues/api/com.absence.dialoguesystem.internals.ConditionNode")]
public class ConditionNode : Node, IContainVariableManipulators
```

Fields

Comparers

Declaration

```
[Tooltip("All of the comparers this node relies on.")]
public List<NodeVariableComparer> Comparers
```

Field Value

TYPE

[List<NodeVariableComparer>](#)

FalseNext

Declaration

```
[HideInInspector]
public Node FalseNext
```

Field Value

TYPE

[Node](#)

Processor

Declaration

```
[Tooltip("Use to declare what to do with the sum of the results of comparers.")]  
public VBProcessType Processor
```

Field Value

TYPE

VBProcessType

TrueNext

Declaration

```
[HideInInspector]  
public Node TrueNext
```

Field Value

TYPE

Node

Methods

AddNextNode_Inline(Node, int)

Use to write the functionality of connecting a node to any port of this node.

Declaration

```
protected override void AddNextNode_Inline(Node nextWillBeAdded, int atPort)
```

Parameters

TYPE NAME

Node nextWillBeAdded

int atPort

Overrides

[Node.AddNextNode_Inline\(Node, int\)](#)

DelayedClone(Dialogue)

This method will get called right after the dialogue gets cloned.

Declaration

```
public void DelayedClone(Dialogue originalDialogue)
```

Parameters

TYPE	NAME	DESCRIPTION
Dialogue	originalDialogue	This is the dialogue the cloned dialogue had cloned from.

GetClassName()

Use if you have a special USS class for this node. If you don't have any, return null.

Declaration

```
public override string GetClassName()
```

Returns

TYPE	DESCRIPTION
string	Returns the USS class name of this node type as a string.

Overrides

[Node.GetClassName\(\)](#)

GetComparers()

A list of comparers which you want to restrict in terms of VariableBank selection

Declaration

```
public List<NodeVariableComparer> GetComparers()
```

Returns

TYPE

List<NodeVariableComparer>

GetNextNodes_Inline(ref List<(int portIndex, Node node)>)

Use to describe the editor which nodes are the next nodes of this one in the chain by modifying the list.

Declaration

```
protected override void GetNextNodes_Inline(ref List<(int portIndex, Node node)> result)
```

Parameters

TYPE	NAME
List<(int portIndex, Node node)>	result

Overrides

[Node.GetNextNodes_Inline\(ref List<\(int portIndex, Node node\)>\)](#)

GetOutputPortNamesForCreation()

Use to describe the dialogue editor how many output ports this node has and what are their names.

Declaration

```
public override List<string> GetOutputPortNamesForCreation()
```

Returns

TYPE	DESCRIPTION
List<string>	Returns the port names as a list of strings. Return an empty list if you want no output ports.

Overrides

[Node.GetOutputPortNamesForCreation\(\)](#)

GetSetters()

A list of comparers which you want to restrict in terms of VariableBank selection

Declaration

```
public List<NodeVariableSetter> GetSetters()
```

Returns

TYPE

List<NodeVariableSetter>

GetTitle()

Use to set the title of this node type in the graph view.

Declaration

```
public override string GetTitle()
```

Returns

TYPE DESCRIPTION

string The title as a string.

Overrides

[Node.GetTitle\(\)](#)

OnValidate()

Declaration

```
protected override void OnValidate()
```

Overrides

[Node.OnValidate\(\)](#)

Pass_Inline(params object[])

Use to write what happens when the dialogue passes this node.

Declaration

```
protected override void Pass_Inline(params object[] passData)
```

Parameters

TYPE	NAME
------	------

object[]	passData
----------	----------

Overrides

[Node.Pass_Inline\(params object\[\]\)](#)

Process()

Use this to override (if you need) the checking result of this node.

Declaration

```
protected virtual bool Process()
```

Returns

TYPE	DESCRIPTION
------	-------------

bool	Normally returns the sum of the results of node's comparer list in a way declared by Processor
------	----------------------------------------------------------------------------------------------------------------

Reach_Inline()

Use to write what happens when the dialogue reaches this node.

Declaration

```
protected override void Reach_Inline()
```

Overrides

[Node.Reach_Inline\(\)](#)

RemoveNextNode_Inline(int)

Use to write the functionality of removing the next node of this one.

Declaration

```
protected override void RemoveNextNode_Inline(int atPort)
```

Parameters

TYPE	NAME
------	------

int	atPort
-----	--------

Overrides

[Node.RemoveNextNode_Inline\(int\)](#)

Traverse(Action<Node>)

Use to traverse any action on a node chain. Nodes not connected directly won't transmit the action to another.

Declaration

```
public override void Traverse(Action<Node> action)
```

Parameters

TYPE	NAME
------	------

Action<Node>	action
--------------	--------

Overrides

[Node.Traverse\(Action<Node>\)](#)

Implements

[IContainVariableManipulators](#)



Class DecisionSpeechNode

Node which displays a speech with options.

Inheritance

- ↳ [object](#)
- ↳ [Object](#)
- ↳ [ScriptableObject](#)
- ↳ [Node](#)
- ↳ [DecisionSpeechNode](#)

Implements

- [IContainSpeech](#)
- [IContainVariableManipulators](#)

Inherited Members

- [Node.Guid](#)
- [Node.Position](#)
- [Node.MasterDialogue](#)
- [Node.Blackboard](#)
- [Node.State](#)
- [Node.ExitDialogAfterwards](#)
- [Node.OnSetState](#)
- [Node.OnRemove](#)
- [Node.OnValidation](#)
- [Node.OnReach](#)
- [Node.OnPass](#)
- [Node.PersonIndex](#)
- [Node.Person](#)
- [Node.DisplayState](#)
- [Node.ShowInMinimap](#)
- [Node.AddNextNode\(Node, int\)](#)
- [Node.RemoveNextNode\(int\)](#)
- [Node.GetNextNodes\(\)](#)
- [Node.Pass\(params object\[\]\)](#)
- [Node.Reach\(\)](#)
- [Node.OnRemoval\(\)](#)
- [Node.GetInputPortNameForCreation\(\)](#)
- [Node.SetState\(Node.NodeState\)](#)
- [Node.Clone\(\)](#)
- [ScriptableObject.SetDirty\(\)](#)
- [ScriptableObject.CreateInstance\(string\)](#)

[ScriptableObject.CreateInstance\(Type\)](#)

[ScriptableObject.CreateInstance<T>\(\)](#)

Namespace: [com.absence.dialoguesystem.internals](#)

Assembly: Assembly-CSharp-firstpass.dll

Syntax

```
[HelpURL("https://b1lodhand.github.io/absent-dialogues/api/com.absence.dialoguesystem.internals.Decisic
public sealed class DecisionSpeechNode : Node, IContainSpeech, IContainVariableManipulators
```

Fields

Options

Declaration

```
[Space(10)]
[Tooltip("All of the options of this node.")]
public List<Option> Options
```

Field Value

TYPE

[List<Option>](#)

Speech

Declaration

```
[HideInInspector]
public string Speech
```

Field Value

TYPE

[string](#)

Properties

PersonDependent

Is this node person dependent.

Declaration

```
public override bool PersonDependent { get; }
```

Property Value

TYPE

bool

Overrides

[Node.PersonDependent](#)

Methods

AddNextNode_Inline(Node, int)

Use to write the functionality of connecting a node to any port of this node.

Declaration

```
protected override void AddNextNode_Inline(Node nextWillBeAdded, int atPort)
```

Parameters

TYPE NAME

Node nextWillBeAdded

int atPort

Overrides

[Node.AddNextNode_Inline\(Node, int\)](#)

DelayedClone(Dialogue)

This method will get called right after the dialogue gets cloned.

Declaration

```
public void DelayedClone(Dialogue originalDialogue)
```

Parameters

TYPE	NAME	DESCRIPTION
Dialogue	originalDialogue	This is the dialogue the cloned dialogue had cloned from.

GetAdditionalSpeechData()

Declaration

```
public AdditionalSpeechData GetAdditionalSpeechData()
```

Returns

TYPE

AdditionalSpeechData

GetClassName()

Use if you have a special USS class for this node. If you don't have any, return null.

Declaration

```
public override string GetClassName()
```

Returns

TYPE DESCRIPTION

string Returns the USS class name of this node type as a string.

Overrides

[Node.GetClassName\(\)](#)

GetComparers()

A list of comparers which you want to restrict in terms of VariableBank selection

Declaration

```
public List<NodeVariableComparer> GetComparers()
```

Returns

TYPE

[List<NodeVariableComparer>](#)

GetNextNodes_Inline(ref List<(int portIndex, Node node)>)

Use to describe the editor which nodes are the next nodes of this one in the chain by modifying the list.

Declaration

```
protected override void GetNextNodes_Inline(ref List<(int portIndex, Node node)> result)
```

Parameters

TYPE	NAME
List<(int portIndex, Node node)>	result

Overrides

[Node.GetNextNodes_Inline\(ref List<\(int portIndex, Node node\)>\)](#)

GetOptions()

Declaration

```
public List<Option> GetOptions()
```

Returns

TYPE

[List<Option>](#)

GetOutputPortNamesForCreation()

Use to describe the dialogue editor how many output ports this node has and what are their names.

Declaration

```
public override List<string> GetOutputPortNamesForCreation()
```

Returns

TYPE	DESCRIPTION
------	-------------

[List<string>](#) Returns the port names as a list of strings. Return an empty list if you want no output ports.

Overrides

[Node.GetOutputPortNamesForCreation\(\)](#)

GetSetters()

A list of comparers which you want to restrict in terms of VariableBank selection

Declaration

```
public List<NodeVariableSetter> GetSetters()
```

Returns

TYPE

[List<NodeVariableSetter>](#)

GetSpeech()

Declaration

```
public string GetSpeech()
```

Returns

TYPE

[string](#)

GetTitle()

Use to set the title of this node type in the graph view.

Declaration

```
public override string GetTitle()
```

Returns

TYPE	DESCRIPTION
------	-------------

string	The title as a string.
--------	------------------------

Overrides

[Node.GetTitle\(\)](#)

OnValidate()

Declaration

```
protected override void OnValidate()
```

Overrides

[Node.OnValidate\(\)](#)

Pass_Inline(params object[])

Use to write what happens when the dialogue passes this node.

Declaration

```
protected override void Pass_Inline(params object[] passData)
```

Parameters

TYPE	NAME
------	------

object[]	passData
----------	----------

Overrides

[Node.Pass_Inline\(params object\[\]\)](#)

Reach_Inline()

Use to write what happens when the dialogue reaches this node.

Declaration

```
protected override void Reach_Inline()
```

Overrides

[Node.Reach_Inline\(\)](#)

RemoveNextNode_Inline(int)

Use to write the functionality of removing the next node of this one.

Declaration

```
protected override void RemoveNextNode_Inline(int atPort)
```

Parameters

TYPE	NAME
int	atPort

Overrides

[Node.RemoveNextNode_Inline\(int\)](#)

Traverse(Action<Node>)

Use to traverse any action on a node chain. Nodes not connected directly won't transmit the action to another.

Declaration

```
public override void Traverse(Action<Node> action)
```

Parameters

TYPE	NAME
Action<Node>	action

Overrides

Implements

IContainSpeech

IContainVariableManipulators



Class DialoguePartNode

Node which let's you create more and separate routes.

Inheritance

- ↳ [object](#)
- ↳ [Object](#)
- ↳ [ScriptableObject](#)
- ↳ [Node](#)
- ↳ [DialoguePartNode](#)

Inherited Members

- [Node.Guid](#)
- [Node.Position](#)
- [Node.MasterDialogue](#)
- [Node.Blackboard](#)
- [Node.State](#)
- [Node.ExitDialogAfterwards](#)
- [Node.OnSetState](#)
- [Node.OnRemove](#)
- [Node.OnValidation](#)
- [Node.OnReach](#)
- [Node.OnPass](#)
- [Node.PersonIndex](#)
- [Node.Person](#)
- [Node.ShowInMinimap](#)
- [Node.PersonDependent](#)
- [Node.AddNextNode\(Node, int\)](#)
- [Node.RemoveNextNode\(int\)](#)
- [Node.GetNextNodes\(\)](#)
- [Node.Pass\(params object\[\]\)](#)
- [Node.Reach\(\)](#)
- [Node.OnRemoval\(\)](#)
- [Node.GetOutputPortNamesForCreation\(\)](#)
- [Node.SetState\(Node.NodeState\)](#)
- [Node.Clone\(\)](#)
- [ScriptableObject.SetDirty\(\)](#)
- [ScriptableObject.CreateInstance\(string\)](#)
- [ScriptableObject.CreateInstance\(Type\)](#)
- [ScriptableObject.CreateInstance<T>\(\)](#)

Namespace: [com.absence.dialoguesystem.internals](#)

Assembly: Assembly-CSharp-firstpass.dll

Syntax

```
[HelpURL("https://b1lodhand.github.io/absent-dialogues/api/com.absence.dialoguesystem.internals.Dialogu
public sealed class DialoguePartNode : Node
```

Fields

DialoguePartName

Declaration

```
public string DialoguePartName
```

Field Value

TYPE

string

Next

Declaration

```
[HideInInspector]
public Node Next
```

Field Value

TYPE

Node

Properties

DisplayState

Will this node display its state in editor on the flow.

Declaration

```
public override bool DisplayState { get; }
```

Property Value

TYPE

bool

Overrides

[Node.DisplayState](#)

Methods

AddNextNode_Inline(Node, int)

Use to write the functionality of connecting a node to any port of this node.

Declaration

```
protected override void AddNextNode_Inline(Node nextWillBeAdded, int atPort)
```

Parameters

TYPE NAME

Node nextWillBeAdded

int atPort

Overrides

[Node.AddNextNode_Inline\(Node, int\)](#)

DelayedClone(Dialogue)

This method will get called right after the dialogue gets cloned.

Declaration

```
public void DelayedClone(Dialogue originalDialogue)
```

Parameters

TYPE	NAME	DESCRIPTION
Dialogue	originalDialogue	This is the dialogue the cloned dialogue had cloned from.

GetClassName()

Use if you have a special USS class for this node. If you don't have any, return null.

Declaration

```
public override string GetClassName()
```

Returns

TYPE	DESCRIPTION
string	Returns the USS class name of this node type as a string.

Overrides

[Node.GetClassName\(\)](#)

GetInputPortNameForCreation()

Use to describe the name of the input port of this node.

Declaration

```
public override string GetInputPortNameForCreation()
```

Returns

TYPE	DESCRIPTION
string	Returns the name as a string. Return null if you don't want any input ports.

Overrides

[Node.GetInputPortNameForCreation\(\)](#)

GetNextNodes_Inline(ref List<(int portIndex, Node node)>)

Use to describe the editor which nodes are the next nodes of this one in the chain by modifying the list.

Declaration

```
protected override void GetNextNodes_Inline(ref List<(int portIndex, Node node)> result)
```

Parameters

TYPE	NAME
List<(int portIndex, Node node)>	result

Overrides

[Node.GetNextNodes_Inline\(ref List<\(int portIndex, Node node\)>\)](#)

GetTitle()

Use to set the title of this node type in the graph view.

Declaration

```
public override string GetTitle()
```

Returns

TYPE	DESCRIPTION
string	The title as a string.

string The title as a string.

Overrides

[Node.GetTitle\(\)](#)

Pass_Inline(params object[])

Use to write what happens when the dialogue passes this node.

Declaration

```
protected override void Pass_Inline(params object[] passData)
```

Parameters

TYPE NAME

object[] passData

Overrides

[Node.Pass_Inline\(params object\[\]\)](#)

Reach_Inline()

Use to write what happens when the dialogue reaches this node.

Declaration

```
protected override void Reach_Inline()
```

Overrides

[Node.Reach_Inline\(\)](#)

RemoveNextNode_Inline(int)

Use to write the functionality of removing the next node of this one.

Declaration

```
protected override void RemoveNextNode_Inline(int atPort)
```

Parameters

TYPE NAME

int atPort

Overrides

[Node.RemoveNextNode_Inline\(int\)](#)

Traverse(Action<Node>)

Use to traverse any action on a node chain. Nodes not connected directly won't transmit the action to another.

Declaration

```
public override void Traverse(Action<Node> action)
```

Parameters

TYPE	NAME
Action<Node>	action

Overrides

[Node.Traverse\(Action<Node>\)](#)



Class FastSpeechNode

Node which displays a speech without options.

Inheritance

- ↳ [object](#)
- ↳ [Object](#)
- ↳ [ScriptableObject](#)
- ↳ [Node](#)
- ↳ [FastSpeechNode](#)

Implements

[IContainSpeech](#)

Inherited Members

- [Node.Guid](#)
- [Node.Position](#)
- [Node.MasterDialogue](#)
- [Node.Blackboard](#)
- [Node.State](#)
- [Node.ExitDialogAfterwards](#)
- [Node.OnSetState](#)
- [Node.OnRemove](#)
- [Node.OnValidation](#)
- [Node.OnReach](#)
- [Node.OnPass](#)
- [Node.PersonIndex](#)
- [Node.Person](#)
- [Node.DisplayState](#)
- [Node.ShowInMinimap](#)
- [Node.AddNextNode\(Node, int\)](#)
- [Node.RemoveNextNode\(int\)](#)
- [Node.GetNextNodes\(\)](#)
- [Node.Pass\(params object\[\]\)](#)
- [Node.Reach\(\)](#)
- [Node.OnRemoval\(\)](#)
- [Node.GetInputPortNameForCreation\(\)](#)
- [Node.GetOutputPortNamesForCreation\(\)](#)
- [Node.SetState\(Node.NodeState\)](#)
- [Node.Clone\(\)](#)
- [ScriptableObject.SetDirty\(\)](#)
- [ScriptableObject.CreateInstance\(string\)](#)

[ScriptableObject.CreateInstance\(Type\)](#)

[ScriptableObject.CreateInstance<T>\(\)](#)

Namespace: [com.absence.dialoguesystem.internals](#)

Assembly: Assembly-CSharp-firstpass.dll

Syntax

```
[HelpURL("https://b11odhand.github.io/absent-dialogues/api/com.absence.dialoguesystem.internals.FastSpee
public sealed class FastSpeechNode : Node, IContainSpeech
```

Fields

Next

Declaration

```
[HideInInspector]
public Node Next
```

Field Value

TYPE

[Node](#)

Speech

Declaration

```
[HideInInspector]
public string Speech
```

Field Value

TYPE

[string](#)

Properties

PersonDependent

Is this node person dependent.

Declaration

```
public override bool PersonDependent { get; }
```

Property Value

TYPE

bool

Overrides

[Node.PersonDependent](#)

Methods

AddNextNode_Inline(Node, int)

Use to write the functionality of connecting a node to any port of this node.

Declaration

```
protected override void AddNextNode_Inline(Node nextWillBeAdded, int atPort)
```

Parameters

TYPE	NAME
------	------

Node	nextWillBeAdded
------	-----------------

int	atPort
-----	--------

Overrides

[Node.AddNextNode_Inline\(Node, int\)](#)

DelayedClone(Dialogue)

This method will get called right after the dialogue gets cloned.

Declaration

```
public void DelayedClone(Dialogue originalDialogue)
```

Parameters

TYPE	NAME	DESCRIPTION
Dialogue	originalDialogue	This is the dialogue the cloned dialogue had cloned from.

GetAdditionalSpeechData()

Declaration

```
public AdditionalSpeechData GetAdditionalSpeechData()
```

Returns

TYPE

AdditionalSpeechData

GetClassName()

Use if you have a special USS class for this node. If you don't have any, return null.

Declaration

```
public override string GetClassName()
```

Returns

TYPE DESCRIPTION

string Returns the USS class name of this node type as a string.

Overrides

[Node.GetClassName\(\)](#)

GetNextNodes_Inline(ref List<(int portIndex, Node node)>)

Use to describe the editor which nodes are the next nodes of this one in the chain by modifying the list.

Declaration

```
protected override void GetNextNodes_Inline(ref List<(int portIndex, Node node)> result)
```

Parameters

TYPE	NAME
List<(int portIndex, Node node)>	result

Overrides

```
Node.GetNextNodes_Inline(ref List<(int portIndex, Node node)>)
```

GetOptions()

Declaration

```
public List<Option> GetOptions()
```

Returns

TYPE
List<Option>

GetSpeech()

Declaration

```
public string GetSpeech()
```

Returns

TYPE
string

GetTitle()

Use to set the title of this node type in the graph view.

Declaration

```
public override string GetTitle()
```

Returns

TYPE	DESCRIPTION
------	-------------

string	The title as a string.
--------	------------------------

Overrides

[Node.GetTitle\(\)](#)

Pass_Inline(params object[])

Use to write what happens when the dialogue passes this node.

Declaration

```
protected override void Pass_Inline(params object[] passData)
```

Parameters

TYPE	NAME
------	------

object[]	passData
----------	----------

Overrides

[Node.Pass_Inline\(params object\[\]\)](#)

Reach_Inline()

Use to write what happens when the dialogue reaches this node.

Declaration

```
protected override void Reach_Inline()
```

Overrides

[Node.Reach_Inline\(\)](#)

RemoveNextNode_Inline(int)

Use to write the functionality of removing the next node of this one.

Declaration

```
protected override void RemoveNextNode_Inline(int atPort)
```

Parameters

TYPE	NAME
------	------

int	atPort
-----	--------

Overrides

[Node.RemoveNextNode_Inline\(int\)](#)

Traverse(Action<Node>)

Use to traverse any action on a node chain. Nodes not connected directly won't transmit the action to another.

Declaration

```
public override void Traverse(Action<Node> action)
```

Parameters

TYPE	NAME
------	------

Action<Node>	action
--------------	--------

Overrides

[Node.Traverse\(Action<Node>\)](#)

Implements

[IContainSpeech](#)



Class GotoNode

Node which teleports the flow to a specific [DialoguePartNode](#).

Inheritance

- ↳ [object](#)
- ↳ [Object](#)
- ↳ [ScriptableObject](#)
- ↳ [Node](#)
- ↳ [GotoNode](#)

Inherited Members

- [Node.Guid](#)
- [Node.Position](#)
- [Node.MasterDialogue](#)
- [Node.Blackboard](#)
- [Node.State](#)
- [Node.ExitDialogAfterwards](#)
- [Node.OnSetState](#)
- [Node.OnRemove](#)
- [Node.OnValidation](#)
- [Node.OnReach](#)
- [Node.OnPass](#)
- [Node.PersonIndex](#)
- [Node.Person](#)
- [Node.DisplayState](#)
- [Node.ShowInMinimap](#)
- [Node.PersonDependent](#)
- [Node.AddNextNode\(Node, int\)](#)
- [Node.RemoveNextNode\(int\)](#)
- [Node.GetNextNodes\(\)](#)
- [Node.Pass\(params object\[\]\)](#)
- [Node.Reach\(\)](#)
- [Node.OnRemoval\(\)](#)
- [Node.GetInputPortNameForCreation\(\)](#)
- [Node.SetState\(Node.NodeState\)](#)
- [Node.Clone\(\)](#)
- [Node.Traverse\(Action<Node>\)](#)
- [ScriptableObject.SetDirty\(\)](#)
- [ScriptableObject.CreateInstance\(string\)](#)
- [ScriptableObject.CreateInstance\(Type\)](#)
- [ScriptableObject.CreateInstance<T>\(\)](#)

Syntax

```
[HelpURL("https://b1lodhand.github.io/absent-dialogues/api/com.absence.dialoguesystem.internals.GotoNode")
public sealed class GotoNode : Node
```

Fields

TargetDialoguePartName

Declaration

```
public string TargetDialoguePartName
```

Field Value

TYPE

string

Methods

AddNextNode_Inline(Node, int)

Use to write the functionality of connecting a node to any port of this node.

Declaration

```
protected override void AddNextNode_Inline(Node nextWillBeAdded, int atPort)
```

Parameters

TYPE NAME

Node nextWillBeAdded

int atPort

Overrides

[Node.AddNextNode_Inline\(Node, int\)](#)

GetClassName()

Use if you have a special USS class for this node. If you don't have any, return null.

Declaration

```
public override string GetClassName()
```

Returns

TYPE	DESCRIPTION
------	-------------

string	Returns the USS class name of this node type as a string.
------------------------	-----------------------------------------------------------

Overrides

[Node.GetClassName\(\)](#)

GetNextNodes_Inline(ref List<(int portIndex, Node node)>)

Use to describe the editor which nodes are the next nodes of this one in the chain by modifying the list.

Declaration

```
protected override void GetNextNodes_Inline(ref List<(int portIndex, Node node)> result)
```

Parameters

TYPE	NAME
List<(int portIndex, Node node)>	result

Overrides

[Node.GetNextNodes_Inline\(ref List<\(int portIndex, Node node\)>\)](#)

GetOutputPortNamesForCreation()

Use to describe the dialogue editor how many output ports this node has and what are their names.

Declaration

```
public override List<string> GetOutputPortNamesForCreation()
```

Returns

TYPE	DESCRIPTION
List<string>	Returns the port names as a list of strings. Return an empty list if you want no output ports.

Overrides

[Node.GetOutputPortNamesForCreation\(\)](#)

GetTitle()

Use to set the title of this node type in the graph view.

Declaration

```
public override string GetTitle()
```

Returns

TYPE	DESCRIPTION
string	The title as a string.

Overrides

[Node.GetTitle\(\)](#)

Pass_Inline(params object[])

Use to write what happens when the dialogue passes this node.

Declaration

```
protected override void Pass_Inline(params object[] passData)
```

Parameters

TYPE	NAME
object[]	passData

Overrides

Reach_Inline()

Use to write what happens when the dialogue reaches this node.

Declaration

```
protected override void Reach_Inline()
```

Overrides

[Node.Reach_Inline\(\)](#)

RemoveNextNode_Inline(int)

Use to write the functionality of removing the next node of this one.

Declaration

```
protected override void RemoveNextNode_Inline(int atPort)
```

Parameters

TYPE	NAME
------	------

int	atPort
-----	--------

Overrides

[Node.RemoveNextNode_Inline\(int\)](#)



Interface IContainSpeech

Interface to use if any of your dialogue elements has a speech, has options or has [AdditionalSpeechData](#).

Namespace: [com.absence.dialoguesystem.internals](#)

Assembly: Assembly-CSharp-firstpass.dll

Syntax

```
public interface IContainSpeech
```

Methods

GetAdditionalSpeechData()

Declaration

```
AdditionalSpeechData GetAdditionalSpeechData()
```

Returns

TYPE

[AdditionalSpeechData](#)

GetOptions()

Declaration

```
List<Option> GetOptions()
```

Returns

TYPE

List<Option>

GetSpeech()

Declaration

```
string GetSpeech()
```

Returns

TYPE

string



Interface IContainVariableManipulators

Any node subtype with this interface implemented will refresh its VariableComparers and VariableSetters to have the correct reference to the `Bank` of the current `Dialogue` everytime the editor window refreshes.

Namespace: [com.absence.dialoguesystem.internals](#)

Assembly: Assembly-CSharp-firstpass.dll

Syntax

```
public interface IContainVariableManipulators
```

Methods

GetComparers()

A list of comparers which you want to restrict in terms of VariableBank selection

Declaration

```
List<NodeVariableComparer> GetComparers()
```

Returns

TYPE

```
List<NodeVariableComparer>
```

GetSetters()

A list of setters which you want to restrict in terms of VariableBank selection

Declaration

```
List<NodeVariableSetter> GetSetters()
```

Returns

TYPE

[List<NodeVariableSetter>](#)



Class Node

This is the base abstract class to derive from for any new node subtypes.

Inheritance

- ↳ [object](#)
- ↳ [Object](#)
- ↳ [ScriptableObject](#)
- ↳ [Node](#)
 - ↳ [ActionNode](#)
 - ↳ [ConditionNode](#)
 - ↳ [DecisionSpeechNode](#)
 - ↳ [DialoguePartNode](#)
 - ↳ [FastSpeechNode](#)
 - ↳ [GotoNode](#)
 - ↳ [RootNode](#)
 - ↳ [StickyNoteNode](#)
 - ↳ [TitleNode](#)

Inherited Members

[ScriptableObject.SetDirty\(\)](#)
[ScriptableObject.CreateInstance\(string\)](#)
[ScriptableObject.CreateInstance\(Type\)](#)
[ScriptableObject.CreateInstance<T>\(\)](#)
Namespace: [com.absence.dialoguesystem.internals](#)
Assembly: Assembly-CSharp-firstpass.dll

Syntax

```
[HelpURL("https://b1lodhand.github.io/absent-dialogues/api/com.absence.dialoguesystem.internals.Node.ht  
public abstract class Node : ScriptableObject
```

Fields

Blackboard

```
[HideInInspector]  
public Blackboard Blackboard
```

Field Value

TYPE

Blackboard

ExitDialogAfterwards

Declaration

```
[Tooltip("Toggling this on will make the dialogue exit right after this node getting passed.")]  
public bool ExitDialogAfterwards
```

Field Value

TYPE

bool

Guid

Declaration

```
[HideInInspector]  
public string Guid
```

Field Value

TYPE

string

MasterDialogue

Declaration

```
[ Readonly ]  
public Dialogue MasterDialogue
```

Field Value

TYPE

Dialogue

PersonIndex

Index of the person this node depends on (if it is `PersonDependent`) on the person list of the `MasterDialogue` .

Declaration

```
[ HideInInspector ]  
public int PersonIndex
```

Field Value

TYPE

int

Position

Declaration

```
[ HideInInspector ]  
public Vector2 Position
```

Field Value

TYPE

Vector2

State

Declaration

```
[HideInInspector]  
public Node.NodeState State
```

Field Value

TYPE

Node.NodeState

Properties

DisplayState

Will this node display it's state in editor on the flow.

Declaration

```
public virtual bool DisplayState { get; }
```

Property Value

TYPE

bool

Person

Property which returns the person with the index of `PersonIndex` from the person list.

Declaration

```
[HideInInspector]  
public Person Person { get; }
```

Property Value

TYPE

Person

PersonDependent

Is this node person dependent.

Declaration

```
public virtual bool PersonDependent { get; }
```

Property Value

TYPE

bool

ShowInMinimap

Will this node be visible on the minimap.

Declaration

```
public virtual bool ShowInMinimap { get; }
```

Property Value

TYPE

bool

Methods

AddNextNode(Node, int)

Use when you connect a new node to a right-side port of this node.

Declaration

```
public void AddNextNode(Node nextWillBeAdded, int atPort)
```

Parameters

TYPE	NAME	DESCRIPTION
Node	nextWillBeAdded	The reference value of the node connected.
int	atPort	The port which hold the connection.

AddNextNode_Inline(Node, int)

Use to write the functionality of connecting a node to any port of this node.

Declaration

```
protected abstract void AddNextNode_Inline(Node nextWillBeAdded, int atPort)
```

Parameters

TYPE	NAME
Node	nextWillBeAdded
int	atPort

Clone()

Use to clone this node.

CAUTION! It works as a traverse function. If you clone any node, it will automatically clone any node connected to it (forward-only). But the `GotoNode` won't clone the `DialoguePartNode` referenced to it. Simply because they are not connected directly.

Declaration

```
public virtual Node Clone()
```

Returns

TYPE
Node

GetClassName()

Use if you have a special USS class for this node. If you don't have any, return null.

Declaration

```
public abstract string GetClassName()
```

Returns

TYPE	DESCRIPTION
------	-------------

string	Returns the USS class name of this node type as a string.
--------	-----------------------------------------------------------

GetInputPortNameForCreation()

Use to describe the name of the input port of this node.

Declaration

```
public virtual string GetInputPortNameForCreation()
```

Returns

TYPE	DESCRIPTION
------	-------------

string	Returns the name as a string. Return null if you don't want any input ports.
--------	------------------------------------------------------------------------------

GetNextNodes()

Use to get all of the nodes which are **directly** connected to this node (**only the right-side ones**).

Declaration

```
public List<(int portIndex, Node node)> GetNextNodes()
```

Returns

TYPE

List<(int portIndex, Node node)>

GetNextNodes_Inline(ref List<(int portIndex, Node node)>)

Use to describe the editor which nodes are the next nodes of this one in the chain by modifying the list.

Declaration

```
protected abstract void GetNextNodes_Inline(ref List<(int portIndex, Node node)> result)
```

Parameters

TYPE	NAME
List<(int portIndex, Node node)>	result

GetOutputPortNamesForCreation()

Use to describe the dialogue editor how many output ports this node has and what are their names.

Declaration

```
public virtual List<string> GetOutputPortNamesForCreation()
```

Returns

TYPE	DESCRIPTION
List<string>	Returns the port names as a list of strings. Return an empty list if you want no output ports.

GetTitle()

Use to set the title of this node type in the graph view.

Declaration

```
public abstract string GetTitle()
```

Returns

TYPE	DESCRIPTION
string	The title as a string.

OnRemoval()

Declaration

```
public void OnRemoval()
```

OnValidate()

Declaration

```
protected virtual void OnValidate()
```

Pass(params object[])

Declaration

```
public void Pass(params object[] passData)
```

Parameters

TYPE	NAME
object[]	passData

Pass_Inline(params object[])

Use to write what happens when the dialogue passes this node.

Declaration

```
protected abstract void Pass_Inline(params object[] passData)
```

Parameters

TYPE	NAME
object[]	passData

Reach()

Declaration

```
public void Reach()
```

Reach_Inline()

Use to write what happens when the dialogue reaches this node.

Declaration

```
protected abstract void Reach_Inline()
```

RemoveNextNode(int)

Use when you disconnect a node from a right-side port of this node.

Declaration

```
public void RemoveNextNode(int atPort)
```

Parameters

TYPE	NAME	DESCRIPTION
------	------	-------------

int	atPort	The port which handled the disconnection event.
-----	--------	-------------------------------------------------

RemoveNextNode_Inline(int)

Use to write the functionality of removing the next node of this one.

Declaration

```
protected abstract void RemoveNextNode_Inline(int atPort)
```

Parameters

TYPE	NAME
------	------

int	atPort
-----	--------

SetState(NodeState)

Use to set the flow state of this node.

Declaration

```
public virtual void SetState(Node.NodeState newState)
```

Parameters

TYPE	NAME
Node.NodeState	newState

Traverse(Action<Node>)

Use to traverse any action on a node chain. Nodes not connected directly won't transmit the action to another.

Declaration

```
public virtual void Traverse(Action<Node> action)
```

Parameters

TYPE	NAME
Action<Node>	action

Events

OnPass

Action which will get invoked when this node get passed on the flow.

Declaration

```
public event Action OnPass
```

Event Type

TYPE

[Action](#)

OnReach

Action which will get invoked when this node gets reached on the flow.

Declaration

```
public event Action OnReach
```

Event Type

TYPE

[Action](#)

OnRemove

Action which will get invoked when this node gets removed from the dialogue.

Declaration

```
public event Action OnRemove
```

Event Type

TYPE

[Action](#)

OnSetState

Action which will get invoked when the state of this node gets changed.

Declaration

```
public event Action<Node.NodeState> OnSetState
```

Event Type

Action<Node.NodeState>

OnValidation

Action which will get invoked when `OnValidate()` function gets called.

Declaration

```
public event Action OnValidation
```

Event Type

Action



Enum Node.NodeState

Describes the node's state on the flow. While progressing in the dialogue.

Namespace: [com.absence.dialoguesystem.internals](#)

Assembly: Assembly-CSharp-firstpass.dll

Syntax

```
public enum Node.NodeState
```

Fields

NAME
Current
Past
Unreached



Class NodeVariableComparer

The comparer specifically designed for working with dialogue nodes.

Inheritance

- ↳ [object](#)
- ↳ [BaseVariableComparer](#)
- ↳ [NodeVariableComparer](#)

Inherited Members

- [BaseVariableComparer.m_comparisonType](#)
- [BaseVariableComparer.m_targetBankGuid](#)
- [BaseVariableComparer.m_targetVariableName](#)
- [BaseVariableComparer.m_intValue](#)
- [BaseVariableComparer.m_floatValue](#)
- [BaseVariableComparer.m_stringValue](#)
- [BaseVariableComparer.m_boolValue](#)
- [BaseVariableComparer.GetResult\(\)](#)

Namespace: [com.absence.dialoguesystem.internals](#)

Assembly: Assembly-CSharp-firstpass.dll

Syntax

```
[Serializable]
public class NodeVariableComparer : BaseVariableComparer
```

Properties

BlackboardBank

Bank of the blackboard in context.

Declaration

```
public VariableBank BlackboardBank { get; set; }
```

Property Value

TYPE

VariableBank

HasFixedBank

Will the bank selector be hidden in the editor?

Declaration

```
public override bool HasFixedBank { get; }
```

Property Value

TYPE

bool

Overrides

[BaseVariableComparer.HasFixedBank](#)

Methods

Clone(VariableBank)

Use to copy this comparer.

Declaration

```
public NodeVariableComparer Clone(VariableBank clonedBlackboardBank)
```

Parameters

TYPE	NAME	DESCRIPTION
VariableBank	clonedBlackboardBank	Cloned blackboard bank.

Returns

TYPE**DESCRIPTION**

NodeVariableComparer	The clone.
----------------------	------------

GetRuntimeBank()

Override to define how this comparer will find it's runtime bank.

Declaration

```
protected override VariableBank GetRuntimeBank()
```

Returns

TYPE**DESCRIPTION**

VariableBank	The runtime bank or null
--------------	--------------------------

Overrides

[BaseVariableComparer.GetRuntimeBank\(\)](#)

SetBlackboardBank(VariableBank)

Use to set the blackboard bank of this comparer.

Declaration

```
public void SetBlackboardBank(VariableBank originalBlackboardBank)
```

Parameters

TYPE**NAME****DESCRIPTION**

VariableBank	originalBlackboardBank	Target bank.
--------------	------------------------	--------------



Class NodeVariableSetter

The setter specifically designed for working with dialogue nodes.

Inheritance

```
↳ object
  ↳ BaseVariableSetter
    ↳ NodeVariableSetter
```

Inherited Members

[BaseVariableSetter.m_setType](#)
[BaseVariableSetter.m_targetBankGuid](#)
[BaseVariableSetter.m_targetVariableName](#)
[BaseVariableSetter.m_intValue](#)
[BaseVariableSetter.m_floatValue](#)
[BaseVariableSetter.m_stringValue](#)
[BaseVariableSetter.m_boolValue](#)
[BaseVariableSetter.Perform\(\)](#)
[BaseVariableSetter.Perform_Boolean\(VariableBank\)](#)
[BaseVariableSetter.Perform_String\(VariableBank\)](#)
[BaseVariableSetter.Perform_Float\(VariableBank\)](#)
[BaseVariableSetter.Perform_Int\(VariableBank\)](#)

Namespace: [com.absence.dialoguesystem.internals](#)

Assembly: Assembly-CSharp-firstpass.dll

Syntax

```
[Serializable]
public class NodeVariableSetter : BaseVariableSetter
```

Properties

BlackboardBank

Bank of the blackboard in context.

Declaration

```
public VariableBank BlackboardBank { get; set; }
```

Property Value

TYPE

VariableBank

HasFixedBank

Will the bank selector be hidden in the editor?

Declaration

```
public override bool HasFixedBank { get; }
```

Property Value

TYPE

bool

Overrides

[BaseVariableSetter.HasFixedBank](#)

Methods

Clone(VariableBank)

Use to copy this setter.

Declaration

```
public NodeVariableSetter Clone(VariableBank clonedVariableBank)
```

Parameters

TYPE	NAME
VariableBank	clonedVariableBank

Returns

TYPE	DESCRIPTION
------	-------------

NodeVariableSetter	The clone.
--------------------	------------

GetRuntimeBank()

Override to define how this setter will find it's runtime bank.

Declaration

```
protected override VariableBank GetRuntimeBank()
```

Returns

TYPE	DESCRIPTION
------	-------------

VariableBank	The runtime bank or null
--------------	--------------------------

Overrides

[BaseVariableSetter.GetRuntimeBank\(\)](#)

SetBlackboardBank(VariableBank)

Use to set the blackboard bank of this setter.

Declaration

```
public void SetBlackboardBank(VariableBank originalBlackboardBank)
```

Parameters

TYPE	NAME	DESCRIPTION
------	------	-------------

VariableBank	originalBlackboardBank	Target bank.
--------------	------------------------	--------------



Class Option

The type to hold references to dialogue options.

Inheritance

↳ [object](#)

↳ [Option](#)

Namespace: [com.absence.dialoguesystem.internals](#)

Assembly: Assembly-CSharp-firstpass.dll

Syntax

```
[Serializable]
[HelpURL("https://b11odhand.github.io/absent-dialogues/api/com.absence.dialoguesystem.internals.Option")]
public class Option
```

Fields

AdditionalData

Additional speech data this option contains.

Declaration

```
public AdditionalSpeechData AdditionalData
```

Field Value

TYPE

[AdditionalSpeechData](#)

LeadsTo

The node this option leads to.

Declaration

```
[HideInInspector]  
public Node LeadsTo
```

Field Value

TYPE

Node

Speech

Speech of this option.

Declaration

```
[HideInInspector]  
public string Speech
```

Field Value

TYPE

string

Visibility

Declaration

```
[SerializeField]  
[ShowIf("m_useShowIf")]  
public Option.ShowIf Visibility
```

Field Value

TYPE

Option.ShowIf

Properties

UseShowIf

Declaration

```
public bool UseShowIf { get; }
```

Property Value

TYPE

bool

Methods

Clone(VariantBank)

Use to get a clone of this option.

Declaration

```
public Option Clone(VariantBank overrideBank)
```

Parameters

TYPE	NAME
VariantBank	overrideBank

Returns

TYPE
Option

IsVisible()

Calculates the visibility of this option.

Declaration

```
public bool IsVisible()
```

Returns

TYPE	DESCRIPTION
------	-------------

bool	Returns true if the option is visible, returns false otherwise.
------	-----------------------------------------------------------------



Class Option.ShowIf

A class specifically designed for calculating an option's visibility.

Inheritance

↳ [object](#)

↳ [Option.ShowIf](#)

Namespace: [com.absence.dialoguesystem.internals](#)

Assembly: Assembly-CSharp-firstpass.dll

Syntax

```
[Serializable]
[HelpURL("https://b11odhand.github.io/absent-dialogues/api/com.absence.dialoguesystem.internals.Option.
public class Option.ShowIf
```

Fields

Processor

An enum which defines what to do with multiple comparers in conclusion.

Declaration

```
public VBProcessType Processor
```

Field Value

TYPE

[VBProcessType](#)

ShowIfList

A list of all `VariableComparer`s which has a role on determining this option's visibility on display.

Declaration

```
public List<NodeVariableComparer> ShowIfList
```

Field Value

TYPE

`List<NodeVariableComparer>`

Methods

Clone(VariableBank)

Use to clone this instance.

Declaration

```
public Option.ShowIf Clone(VariableBank overrideBank)
```

Parameters

TYPE	NAME
<code>VariableBank</code>	<code>overrideBank</code>

Returns

TYPE
<code>Option.ShowIf</code>

GetResult()

Use to get the composite result of all of the comparers of this instance.

Declaration

```
public bool GetResult()
```

Returns

bool



Class RootNode

Node which is essential if you want to have a dialogue graph.

Inheritance

- ↳ [object](#)
- ↳ [Object](#)
- ↳ [ScriptableObject](#)
- ↳ [Node](#)
- ↳ [RootNode](#)

Inherited Members

- [Node.Guid](#)
- [Node.Position](#)
- [Node.MasterDialogue](#)
- [Node.Blackboard](#)
- [Node.State](#)
- [Node.ExitDialogAfterwards](#)
- [Node.OnSetState](#)
- [Node.OnRemove](#)
- [Node.OnValidation](#)
- [Node.OnReach](#)
- [Node.OnPass](#)
- [Node.PersonIndex](#)
- [Node.Person](#)
- [Node.ShowInMinimap](#)
- [Node.PersonDependent](#)
- [Node.AddNextNode\(Node, int\)](#)
- [Node.RemoveNextNode\(int\)](#)
- [Node.GetNextNodes\(\)](#)
- [Node.Pass\(params object\[\]\)](#)
- [Node.Reach\(\)](#)
- [Node.OnRemoval\(\)](#)

- [Node.SetState\(Node.NodeState\)](#)
- [Node.Clone\(\)](#)

- [ScriptableObject.SetDirty\(\)](#)
- [ScriptableObject.CreateInstance\(string\)](#)
- [ScriptableObject.CreateInstance\(Type\)](#)
- [ScriptableObject.CreateInstance<T>\(\)](#)

Namespace: [com.absence.dialoguesystem.internals](#)

Assembly: Assembly-CSharp-firstpass.dll

Syntax

```
[HelpURL("https://b11odhand.github.io/absent-dialogues/api/com.absence.dialoguesystem.internals.RootNoc
public sealed class RootNode : Node
```

Fields

Next

Declaration

```
[HideInInspector]
public Node Next
```

Field Value

TYPE

Node

Properties

DisplayState

Will this node display it's state in editor on the flow.

Declaration

```
public override bool DisplayState { get; }
```

Property Value

TYPE

bool

Overrides

[Node.DisplayState](#)

Methods

AddNextNode_Inline(Node, int)

Use to write the functionality of connecting a node to any port of this node.

Declaration

```
protected override void AddNextNode_Inline(Node nextWillBeAdded, int atPort)
```

Parameters

TYPE	NAME
------	------

Node	nextWillBeAdded
------	-----------------

int	atPort
-----	--------

Overrides

[Node.AddNextNode_Inline\(Node, int\)](#)

DelayedClone(Dialogue)

This method will get called right after the dialogue gets cloned.

Declaration

```
public void DelayedClone(Dialogue originalDialogue)
```

Parameters

TYPE	NAME	DESCRIPTION
------	------	-------------

Dialogue	originalDialogue	This is the dialogue the cloned dialogue had cloned from.
----------	------------------	-----------------------------------------------------------

GetClassName()

Use if you have a special USS class for this node. If you don't have any, return null.

Declaration

```
public override string GetClassName()
```

Returns

TYPE	DESCRIPTION
------	-------------

string	Returns the USS class name of this node type as a string.
--------	-----------------------------------------------------------

Overrides

[Node.GetClassName\(\)](#)

GetInputPortNameForCreation()

Use to describe the name of the input port of this node.

Declaration

```
public override string GetInputPortNameForCreation()
```

Returns

TYPE	DESCRIPTION
------	-------------

string	Returns the name as a string. Return null if you don't want any input ports.
--------	------------------------------------------------------------------------------

Overrides

[Node.GetInputPortNameForCreation\(\)](#)

GetNextNodes_Inline(ref List<(int portIndex, Node node)>)

Use to describe the editor which nodes are the next nodes of this one in the chain by modifying the list.

Declaration

```
protected override void GetNextNodes_Inline(ref List<(int portIndex, Node node)> result)
```

Parameters

TYPE	NAME
List<(int portIndex, Node node)>	result

Overrides

GetOutputPortNamesForCreation()

Use to describe the dialogue editor how many output ports this node has and what are their names.

Declaration

```
public override List<string> GetOutputPortNamesForCreation()
```

Returns

TYPE	DESCRIPTION
List<string>	Returns the port names as a list of strings. Return an empty list if you want no output ports.

Overrides

[Node.GetOutputPortNamesForCreation\(\)](#)

GetTitle()

Use to set the title of this node type in the graph view.

Declaration

```
public override string GetTitle()
```

Returns

TYPE	DESCRIPTION
string	The title as a string.

Overrides

[Node.GetTitle\(\)](#)

Pass_Inline(params object[])

Use to write what happens when the dialogue passes this node.

Declaration

```
protected override void Pass_Inline(params object[] passData)
```

Parameters

TYPE	NAME
object[]	passData

Overrides

[Node.Pass_Inline\(params object\[\]\)](#)

Reach_Inline()

Use to write what happens when the dialogue reaches this node.

Declaration

```
protected override void Reach_Inline()
```

Overrides

[Node.Reach_Inline\(\)](#)

RemoveNextNode_Inline(int)

Use to write the functionality of removing the next node of this one.

Declaration

```
protected override void RemoveNextNode_Inline(int atPort)
```

Parameters

TYPE	NAME
int	atPort

Overrides

[Node.RemoveNextNode_Inline\(int\)](#)

Traverse(Action<Node>)

Use to traverse any action on a node chain. Nodes not connected directly won't transmit the action to another.

Declaration

```
public override void Traverse(Action<Node> action)
```

Parameters

TYPE	NAME
Action<Node>	action

Overrides

[Node.Traverse\(Action<Node>\)](#)



Class StickyNoteNode

Node which contains a user defined string.

Inheritance

- ↳ [object](#)
- ↳ [Object](#)
- ↳ [ScriptableObject](#)
- ↳ [Node](#)
- ↳ [StickyNoteNode](#)

Inherited Members

- [Node.Guid](#)
- [Node.Position](#)
- [Node.MasterDialogue](#)
- [Node.Blackboard](#)
- [Node.State](#)
- [Node.ExitDialogAfterwards](#)
- [Node.OnSetState](#)
- [Node.OnRemove](#)
- [Node.OnValidation](#)
- [Node.OnReach](#)
- [Node.OnPass](#)
- [Node.PersonIndex](#)
- [Node.Person](#)
- [Node.PersonDependent](#)
- [Node.AddNextNode\(Node, int\)](#)
- [Node.RemoveNextNode\(int\)](#)
- [Node.GetNextNodes\(\)](#)
- [Node.Pass\(params object\[\]\)](#)
- [Node.Reach\(\)](#)
- [Node.OnRemoval\(\)](#)
- [Node.SetState\(Node.NodeState\)](#)
- [Node.Clone\(\)](#)
- [Node.Traverse\(Action<Node>\)](#)
- [ScriptableObject.SetDirty\(\)](#)
- [ScriptableObject.CreateInstance\(string\)](#)
- [ScriptableObject.CreateInstance\(Type\)](#)
- [ScriptableObject.CreateInstance<T>\(\)](#)

Namespace: [com.absence.dialoguesystem.internals](#)
Assembly: Assembly-CSharp-firstpass.dll

Syntax

```
[HelpURL("https://b1lodhand.github.io/absent-dialogues/api/com.absence.dialoguesystem.internals.StickyNode")]
public sealed class StickyNoteNode : Node
```

Fields

Speech

Declaration

```
[HideInInspector]
public string Speech
```

Field Value

TYPE

string

Properties

DisplayState

Will this node display it's state in editor on the flow.

Declaration

```
public override bool DisplayState { get; }
```

Property Value

TYPE

bool

Overrides

[Node.DisplayState](#)

ShowInMinimap

Will this node be visible on the minimap.

Declaration

```
public override bool ShowInMinimap { get; }
```

Property Value

TYPE

bool

Overrides

[Node.ShowInMinimap](#)

Methods

AddNextNode_Inline(Node, int)

Use to write the functionality of connecting a node to any port of this node.

Declaration

```
protected override void AddNextNode_Inline(Node nextWillBeAdded, int atPort)
```

Parameters

TYPE	NAME
------	------

Node	nextWillBeAdded
------	-----------------

int	atPort
-----	--------

Overrides

[Node.AddNextNode_Inline\(Node, int\)](#)

GetClassName()

Use if you have a special USS class for this node. If you don't have any, return null.

Declaration

```
public override string GetClassName()
```

Returns

TYPE	DESCRIPTION
------	-------------

string Returns the USS class name of this node type as a string.

Overrides

[Node.GetClassName\(\)](#)

GetInputPortNameForCreation()

Use to describe the name of the input port of this node.

Declaration

```
public override string GetInputPortNameForCreation()
```

Returns

TYPE	DESCRIPTION
------	-------------

string Returns the name as a string. Return null if you don't want any input ports.

Overrides

[Node.GetInputPortNameForCreation\(\)](#)

GetNextNodes_Inline(ref List<(int portIndex, Node node)>)

Use to describe the editor which nodes are the next nodes of this one in the chain by modifying the list.

Declaration

```
protected override void GetNextNodes_Inline(ref List<(int portIndex, Node node)> result)
```

Parameters

TYPE	NAME
------	------

List<(int portIndex, Node node)> result

Overrides

[Node.GetNextNodes_Inline\(ref List<\(int portIndex, Node node\)>\)](#)

GetOutputPortNamesForCreation()

Use to describe the dialogue editor how many output ports this node has and what are their names.

Declaration

```
public override List<string> GetOutputPortNamesForCreation()
```

Returns

TYPE	DESCRIPTION
List<string>	Returns the port names as a list of strings. Return an empty list if you want no output ports.

Overrides

[Node.GetOutputPortNamesForCreation\(\)](#)

GetTitle()

Use to set the title of this node type in the graph view.

Declaration

```
public override string GetTitle()
```

Returns

TYPE	DESCRIPTION
string	The title as a string.

Overrides

[Node.GetTitle\(\)](#)

Pass_Inline(params object[])

Use to write what happens when the dialogue passes this node.

Declaration

```
protected override void Pass_Inline(params object[] passData)
```

Parameters

TYPE	NAME
object[]	passData

Overrides

[Node.Pass_Inline\(params object\[\]\)](#)

Reach_Inline()

Use to write what happens when the dialogue reaches this node.

Declaration

```
protected override void Reach_Inline()
```

Overrides

[Node.Reach_Inline\(\)](#)

RemoveNextNode_Inline(int)

Use to write the functionality of removing the next node of this one.

Declaration

```
protected override void RemoveNextNode_Inline(int atPort)
```

Parameters

TYPE	NAME
int	atPort

Overrides

[Node.RemoveNextNode_Inline\(int\)](#)



Class TitleNode

Node which is simply `StickyNoteNode` but bigger.

Inheritance

- ↳ `object`
- ↳ `Object`
- ↳ `ScriptableObject`
- ↳ `Node`
- ↳ `TitleNode`

Inherited Members

- `Node.Guid`
- `Node.Position`
- `Node.MasterDialogue`
- `Node.Blackboard`
- `Node.State`
- `Node.ExitDialogAfterwards`
- `Node.OnSetState`
- `Node.OnRemove`
- `Node.OnValidation`
- `Node.OnReach`
- `Node.OnPass`
- `Node.PersonIndex`
- `Node.Person`
- `Node.PersonDependent`
- `Node.AddNextNode(Node, int)`
- `Node.RemoveNextNode(int)`
- `Node.GetNextNodes()`
- `Node.Pass(params object[])`
- `Node.Reach()`
- `Node.OnRemoval()`
- `Node.SetState(Node.NodeState)`
- `Node.Clone()`
- `Node.Traverse(Action<Node>)`
- `ScriptableObject.SetDirty()`
- `ScriptableObject.CreateInstance(string)`
- `ScriptableObject.CreateInstance(Type)`
- `ScriptableObject.CreateInstance<T>()`

Namespace: [com.absence.dialoguesystem.internals](#)
Assembly: Assembly-CSharp-firstpass.dll

Syntax

```
[HelpURL("https://b11odhand.github.io/absent-dialogues/api/com.absence.dialoguesystem.internals.TitleNc
public sealed class TitleNode : Node
```

Fields

Speech

Declaration

```
[HideInInspector]
public string Speech
```

Field Value

TYPE

string

Properties

DisplayState

Will this node display it's state in editor on the flow.

Declaration

```
public override bool DisplayState { get; }
```

Property Value

TYPE

bool

Overrides

[Node.DisplayState](#)

ShowInMinimap

Will this node be visible on the minimap.

Declaration

```
public override bool ShowInMinimap { get; }
```

Property Value

TYPE

bool

Overrides

[Node.ShowInMinimap](#)

Methods

AddNextNode_Inline(Node, int)

Use to write the functionality of connecting a node to any port of this node.

Declaration

```
protected override void AddNextNode_Inline(Node nextWillBeAdded, int atPort)
```

Parameters

TYPE	NAME
------	------

Node	nextWillBeAdded
------	-----------------

int	atPort
-----	--------

Overrides

[Node.AddNextNode_Inline\(Node, int\)](#)

GetClassName()

Use if you have a special USS class for this node. If you don't have any, return null.

Declaration

```
public override string GetClassName()
```

Returns

TYPE	DESCRIPTION
------	-------------

string	Returns the USS class name of this node type as a string.
--------	-----------------------------------------------------------

Overrides

[Node.GetClassName\(\)](#)

GetInputPortNameForCreation()

Use to describe the name of the input port of this node.

Declaration

```
public override string GetInputPortNameForCreation()
```

Returns

TYPE	DESCRIPTION
------	-------------

string	Returns the name as a string. Return null if you don't want any input ports.
--------	------------------------------------------------------------------------------

Overrides

[Node.GetInputPortNameForCreation\(\)](#)

GetNextNodes_Inline(ref List<(int portIndex, Node node)>)

Use to describe the editor which nodes are the next nodes of this one in the chain by modifying the list.

Declaration

```
protected override void GetNextNodes_Inline(ref List<(int portIndex, Node node)> result)
```

Parameters

TYPE	NAME
------	------

List<(int portIndex, Node node)>	result
----------------------------------	--------

Overrides

[Node.GetNextNodes_Inline\(ref List<\(int portIndex, Node node\)>\)](#)

GetOutputPortNamesForCreation()

Use to describe the dialogue editor how many output ports this node has and what are their names.

Declaration

```
public override List<string> GetOutputPortNamesForCreation()
```

Returns

TYPE	DESCRIPTION
List<string>	Returns the port names as a list of strings. Return an empty list if you want no output ports.

Overrides

[Node.GetOutputPortNamesForCreation\(\)](#)

GetTitle()

Use to set the title of this node type in the graph view.

Declaration

```
public override string GetTitle()
```

Returns

TYPE	DESCRIPTION
string	The title as a string.

Overrides

[Node.GetTitle\(\)](#)

Pass_Inline(params object[])

Use to write what happens when the dialogue passes this node.

Declaration

```
protected override void Pass_Inline(params object[] passData)
```

Parameters

TYPE	NAME
object[]	passData

Overrides

[Node.Pass_Inline\(params object\[\]\)](#)

Reach_Inline()

Use to write what happens when the dialogue reaches this node.

Declaration

```
protected override void Reach_Inline()
```

Overrides

[Node.Reach_Inline\(\)](#)

RemoveNextNode_Inline(int)

Use to write the functionality of removing the next node of this one.

Declaration

```
protected override void RemoveNextNode_Inline(int atPort)
```

Parameters

TYPE	NAME
int	atPort

Overrides

[Node.RemoveNextNode_Inline\(int\)](#)



Enum VBProcessType

An enum used to define the way to handle multiple variable manipulators at once.

Namespace: [com.absence.dialoguesystem.internals](#)

Assembly: Assembly-CSharp-firstpass.dll

Syntax

```
public enum VBProcessType
```

Fields

NAME

All

Any



Namespace com.absence.variablebanks

Classes

[FixedVariableComparer](#)

Comparer with a fixed bank.

[FixedVariableSetter](#)

Setter with a fixed bank.

[VariableBank](#)

The scriptable object represents a bank of variables.

[VariableBankAcquirer](#)

A component to reference banks both in editor and runtime.

[VariableBankReference](#)

The class responsible for letting you reference a [VariableBank](#) both in editor and in runtime. You can use the [VariableBank](#) class directly if the bank you are referencing is marked as [ForExternalUse](#). For more information, read the docs.

[VariableComparer](#)

Comparer with a dynamic bank you select in editor.

[VariableSetter](#)

Setter with a dynamic bank you select in the editor.



Class FixedVariableComparer

Comparer with a fixed bank.

Inheritance

- ↳ [object](#)
- ↳ [BaseVariableComparer](#)
- ↳ [FixedVariableComparer](#)

Inherited Members

[BaseVariableComparer.GetResult\(\)](#)

Namespace: [com.absence.variablebanks](#)

Assembly: Assembly-CSharp-firstpass.dll

Syntax

```
[Serializable]
public sealed class FixedVariableComparer : BaseVariableComparer
```

Properties

HasFixedBank

Will the bank selector be hidden in the editor?

Declaration

```
public override bool HasFixedBank { get; }
```

Property Value

TYPE

[bool](#)

Overrides

Methods

Clone()

Use to clone this comparer.

Declaration

```
public FixedVariableComparer Clone()
```

Returns

TYPE	DESCRIPTION
FixedVariableComparer	The clone.

Clone(string)

Use to clone this comparer.

Declaration

```
public FixedVariableComparer Clone(string overrideBankGuid)
```

Parameters

TYPE	NAME	DESCRIPTION
string	overrideBankGuid	Guid for a new bank.

Returns

TYPE	DESCRIPTION
FixedVariableComparer	The clone.

SetFixedBank(string)

Use to set the fixed bank of this fixed comparer.

Declaration

```
public void SetFixedBank(string fixedBankGuid)
```

Parameters

TYPE	NAME	DESCRIPTION
string	fixedBankGuid	Guid for the fixed bank.



Class FixedVariableSetter

Setter with a fixed bank.

Inheritance

```
↳ object
  ↳ BaseVariableSetter
    ↳ FixedVariableSetter
```

Inherited Members

[BaseVariableSetter.Perform\(\)](#)

Namespace: [com.absence.variablebanks](#)

Assembly: Assembly-CSharp-firstpass.dll

Syntax

```
[Serializable]
public sealed class FixedVariableSetter : BaseVariableSetter
```

Properties

HasFixedBank

Will the bank selector be hidden in the editor?

Declaration

```
public override bool HasFixedBank { get; }
```

Property Value

TYPE

[bool](#)

Overrides

Methods

Clone()

Use to clone this setter.

Declaration

```
public FixedVariableSetter Clone()
```

Returns

TYPE	DESCRIPTION
FixedVariableSetter	The clone.

Clone(string)

Use to clone this setter.

Declaration

```
public FixedVariableSetter Clone(string overrideBankGuid)
```

Parameters

TYPE	NAME	DESCRIPTION
string	overrideBankGuid	Guid for a new bank.

Returns

TYPE	DESCRIPTION
FixedVariableSetter	The clone.

SetFixedBank(string)

Use to set the fixed bank of this fixed setter.

Declaration

```
public void SetFixedBank(string fixedBankGuid)
```

Parameters

TYPE	NAME	DESCRIPTION
string	fixedBankGuid	Guid for the fixed bank.



Class VariableBank

The scriptable object represents a bank of variables.

Inheritance

- ↳ [object](#)
- ↳ [Object](#)
- ↳ [ScriptableObject](#)
- ↳ [VariableBank](#)

Inherited Members

[ScriptableObject.SetDirty\(\)](#)
[ScriptableObject.CreateInstance\(string\)](#)
[ScriptableObject.CreateInstance\(Type\)](#)
[ScriptableObject.CreateInstance<T>\(\)](#)
Namespace: [com.absence.variablebanks](#)
Assembly: Assembly-CSharp-firstpass.dll

Syntax

```
public class VariableBank : ScriptableObject
```

Fields

Null

A constant string that represents a null variable name (with the prefix).

Declaration

```
public const string Null = "null: null"
```

Field Value

TYPE

string

m_booleans

Declaration

```
[SerializeField]  
protected List<Variable_Boolean> m_booleans
```

Field Value

TYPE

List<Variable_Boolean>

m_floats

Declaration

```
[SerializeField]  
protected List<Variable_Float> m_floats
```

Field Value

TYPE

List<Variable_Float>

m_ints

Declaration

```
[SerializeField]  
protected List<Variable_Integer> m_ints
```

Field Value

TYPE

[List<Variable_Integer>](#)

m_strings

Declaration

```
[SerializeField]  
protected List<Variable_String> m_strings
```

Field Value

TYPE

[List<Variable_String>](#)

Properties

Booleans

All of the boolean variables within this bank.

Declaration

```
public List<Variable_Boolean> Booleans { get; }
```

Property Value

TYPE

[List<Variable_Boolean>](#)

ClonedFrom

Returns null if this is not a clone. Returns the original bank if this is a clone.

Declaration

```
public VariableBank ClonedFrom { get; }
```

Property Value

TYPE

[VariableBank](#)

Floats

All of the floating point variables within this bank.

Declaration

```
public List<Variable_Float> Floats { get; }
```

Property Value

TYPE

[List<Variable_Float>](#)

ForExternalUse

If true, this bank won't get cloned in the startup and also will not get shown on the variable bank name lists. Set to true if you'll use direct references of such. For more information, read the docs.

Declaration

```
public bool ForExternalUse { get; set; }
```

Property Value

TYPE

[bool](#)

Guid

Guid of this bank.

Declaration

```
public string Guid { get; }
```

Property Value

TYPE

string

Ints

All of the integer variables within this bank.

Declaration

```
public List<Variable_Integer> Ints { get; }
```

Property Value

TYPE

List<Variable_Integer>

IsClone

Use to check if this bank is a clone.

Declaration

```
public bool IsClone { get; }
```

Property Value

TYPE

bool

Strings

All of the string variables within this bank.

Declaration

```
public List<Variable_String> Strings { get; }
```

Property Value

TYPE

[List<Variable_String>](#)

Methods

AddValueChangeListenerToBoolean(string, Action<VariableValueChangedCallbackContext<bool>>)

Use to add a value change callback to a boolean variable with a specific name.

Declaration

```
public void AddValueChangeListenerToBoolean(string variableName, Action<VariableValueChangedCallbackCor
```

Parameters

TYPE	NAME	DESCRIPTION
string	variableName	Target name.
Action<VariableValueChangedCallbackContext<bool>>	callbackAction	What to do when value of the variable changes.

AddValueChangeListenerToFloat(string, Action<VariableValueChangedCallbackContext<float>>)

Use to add a value change callback to a floating point variable with a specific name.

Declaration

```
public void AddValueChangeListenerToFloat(string variableName, Action<VariableValueChangedCallbackConte
```

Parameters

TYPE	NAME	DESCRIPTION
string	variableName	Target name.
Action<VariableValueChangedCallbackContext<float>>	callbackAction	What to do when value of the variable changes.

AddValueChangeListenerToInt(string, Action<VariableValueChangedCallbackContext<int>>)

Use to add a value change callback to an integer variable with a specific name.

Declaration

```
public void AddValueChangeListenerToInt(string variableName, Action<VariableValueChangedCallbackContext
```

Parameters

TYPE	NAME	DESCRIPTION
string	variableName	Target name.
Action<VariableValueChangedCallbackContext<int>>	callbackAction	What to do when value of the variable changes.

AddValueChangeListenerToString(string, Action<VariableValueChangedCallbackContext<string>>)

Use to add a value change callback to a string variable with a specific name.

Declaration

```
public void AddValueChangeListenerToString(string variableName, Action<VariableValueChangedCallbackCont
```

Parameters

TYPE	NAME	DESCRIPTION
string	variableName	Target name.
Action<VariableValueChangedCallbackContext<string>>	callbackAction	What to do when value of the variable changes.

Clone()

Use to clone this bank.

Declaration

```
public VariableBank Clone()
```

Returns

TYPE	DESCRIPTION
VariableBank	Returns the clone created.

GetAllVariableNames()

Use to get a list of all variables' names of this bank.

Declaration

```
public List<string> GetAllVariableNames()
```

Returns

TYPE	DESCRIPTION
List<string>	A list of variable names. Example: "example_int"

GetAllVariableNamesWithTypes()

Use to get a list of all variables' names of this bank, each one of the names will contain a type prefix. **Those prefixes get trimmed when you pass them to any function of a variable bank.**

Declaration

```
public List<string> GetAllVariableNamesWithTypes()
```

Returns

TYPE	DESCRIPTION
List<string>	A list of all variable names with the prefixes. Example: "int: example_int"

GetInstance(string)

Use to get a cloned bank with a specific Guid. **Runtime Only.**

Declaration

```
public static VariableBank GetInstance(string targetGuid)
```

Parameters

TYPE	NAME	DESCRIPTION
string	targetGuid	Target Guid.

Returns

TYPE	DESCRIPTION
VariableBank	Throws an error if a clone with the target Guid does not exist. Returns the bank otherwise.

HasAny(string)

Use to check if a variable with the target name exists within this bank.

Declaration

```
public bool HasAny(string variableName)
```

Parameters

TYPE	NAME	DESCRIPTION
string	variableName	Target name.

Returns

TYPE	DESCRIPTION
bool	True if exists, false otherwise.

HasBoolean(string)

Use to check if a boolean variable with the target name exists within this bank.

Declaration

```
public bool HasBoolean(string variableName)
```

Parameters

TYPE	NAME	DESCRIPTION
string	variableName	Target name.

Returns

TYPE	DESCRIPTION
bool	True if exists, false otherwise.

HasFloat(string)

Use to check if a floating point variable with the target name exists within this bank.

Declaration

```
public bool HasFloat(string variableName)
```

Parameters

TYPE	NAME	DESCRIPTION
string	variableName	Target name.

Returns

TYPE	DESCRIPTION
bool	True if exists, false otherwise.

HasInt(string)

Use to check if an integer variable with the target name exists within this bank.

Declaration

```
public bool HasInt(string variableName)
```

Parameters

TYPE	NAME	DESCRIPTION
------	------	-------------

string	variableName	Target name.
--------	--------------	--------------

Returns

TYPE	DESCRIPTION
------	-------------

bool	True if exists, false otherwise.
------	----------------------------------

HasString(string)

Use to check if a string variable with the target name exists within this bank.

Declaration

```
public bool HasString(string variableName)
```

Parameters

TYPE	NAME	DESCRIPTION
------	------	-------------

string	variableName	Target name.
--------	--------------	--------------

Returns

TYPE	DESCRIPTION
------	-------------

bool	True if exists, false otherwise.
------	----------------------------------

SetBoolean(string, bool)

Use to change a boolean variable's value.

Declaration

```
public bool SetBoolean(string variableName, bool newValue)
```

Parameters

TYPE	NAME	DESCRIPTION
------	------	-------------

string	variableName	Target name.
--------	--------------	--------------

bool	newValue	New value for the variable.
------	----------	-----------------------------

Returns

TYPE	DESCRIPTION
------	-------------

bool	True if value changing process ended successfully. False otherwise.
------	---------------------------------------------------------------------

SetFloat(string, float)

Use to change a floating point variable's value.

Declaration

```
public bool SetFloat(string variableName, float newValue)
```

Parameters

TYPE	NAME	DESCRIPTION
------	------	-------------

string	variableName	Target name.
--------	--------------	--------------

float	newValue	New value for the variable.
-------	----------	-----------------------------

Returns

TYPE	DESCRIPTION
------	-------------

bool	True if value changing process ended successfully. False otherwise.
------	---------------------------------------------------------------------

SetInt(string, int)

Use to change an integer variable's value.

Declaration

```
public bool SetInt(string variableName, int newValue)
```

Parameters

TYPE	NAME	DESCRIPTION
------	------	-------------

string	variableName	Target name.
--------	--------------	--------------

int	newValue	New value for the variable.
-----	----------	-----------------------------

Returns

TYPE	DESCRIPTION
------	-------------

bool	True if value changing process ended successfully. False otherwise.
------	---------------------------------------------------------------------

SetString(string, string)

Use to change a string variable's value.

Declaration

```
public bool SetString(string variableName, string newValue)
```

Parameters

TYPE	NAME	DESCRIPTION
string	variableName	Target name.
string	newValue	New value for the variable.

Returns

TYPE	DESCRIPTION
bool	True if value changing process ended successfully. False otherwise.

TryGetBoolean(string, out bool)

Use to get value of a boolean variable within this bank.

Declaration

```
public bool TryGetBoolean(string variableName, out bool value)
```

Parameters

TYPE	NAME	DESCRIPTION
string	variableName	Target name.
bool	value	Value of the variable.

Returns

TYPE	DESCRIPTION
------	-------------

bool	True if a variable with the target name exists within the bank.
------	-----------------------------------------------------------------

TryGetFloat(string, out float)

Use to get value of a floating point variable within this bank.

Declaration

```
public bool TryGetFloat(string variableName, out float value)
```

Parameters

TYPE	NAME	DESCRIPTION
string	variableName	Target name.
float	value	Value of the variable.

Returns

TYPE	DESCRIPTION
------	-------------

bool	True if a variable with the target name exists within the bank.
------	-----------------------------------------------------------------

TryGetInt(string, out int)

Use to get value of an integer variable within this bank.

Declaration

```
public bool TryGetInt(string variableName, out int value)
```

Parameters

TYPE	NAME	DESCRIPTION
string	variableName	Target name.
int	value	Value of the variable.

Returns

TYPE	DESCRIPTION
------	-------------

bool	True if a variable with the target name exists within the bank.
------	-----------------------------------------------------------------

TryGetString(string, out string)

Use to get value of a string variable within this bank.

Declaration

```
public bool TryGetString(string variableName, out string value)
```

Parameters

TYPE	NAME	DESCRIPTION
string	variableName	Target name.
string	value	Value of the variable.

Returns

TYPE	DESCRIPTION
bool	True if a variable with the target name exists within the bank.

Events

OnDestroyAction

The action gets invoked when this bank gets destroyed.

Declaration

```
public event Action OnDestroyAction
```

Event Type

TYPE

Action



Class VariableBankAcquirer

A component to reference banks both in editor and runtime.

Inheritance

- ↳ [object](#)
- ↳ [Object](#)
- ↳ [Component](#)
- ↳ [Behaviour](#)
- ↳ [MonoBehaviour](#)
- ↳ [VariableBankAcquirer](#)

Namespace: [com.absence.variablebanks](#)

Assembly: Assembly-CSharp-firstpass.dll

Syntax

```
public class VariableBankAcquirer : MonoBehaviour
```

Properties

Bank

Use to get clone of the referenced bank. **Runtime only.**

Declaration

```
public VariableBank Bank { get; }
```

Property Value

TYPE

[VariableBank](#)

Use to get the Guid of the referenced bank.

Declaration

```
public string TargetGuid { get; }
```

Property Value

TYPE

string



Class VariableBankReference

The class responsible for letting you reference a [VariableBank](#) both in editor and in runtime. You can use the [VariableBank](#) class directly if the bank you are referencing is marked as [ForExternalUse](#). For more information, read the docs.

Inheritance

↳ [object](#)
↳ [VariableBankReference](#)

Namespace: [com.absence.variablebanks](#)

Assembly: Assembly-CSharp-firstpass.dll

Syntax

```
[Serializable]
public class VariableBankReference
```

Properties

Bank

Use to get the bank referenced. **Runtime only.**

Declaration

```
public VariableBank Bank { get; }
```

Property Value

TYPE

[VariableBank](#)

TargetGuid

Use to get the referenced bank's Guid. Returns an empty string if no banks referenced.

Declaration

```
public string TargetGuid { get; }
```

Property Value

TYPE

string



Class VariableComparer

Comparer with a dynamic bank you select in editor.

Inheritance

- ↳ [object](#)
- ↳ [BaseVariableComparer](#)
- ↳ [VariableComparer](#)

Inherited Members

[BaseVariableComparer.GetResult\(\)](#)

Namespace: [com.absence.variablebanks](#)

Assembly: Assembly-CSharp-firstpass.dll

Syntax

```
[Serializable]  
public sealed class VariableComparer : BaseVariableComparer
```

Properties

HasFixedBank

Will the bank selector be hidden in the editor?

Declaration

```
public override bool HasFixedBank { get; }
```

Property Value

TYPE

[bool](#)

Overrides

Methods

Clone()

Use to clone this comparer.

Declaration

```
public VariableComparer Clone()
```

Returns

TYPE	DESCRIPTION
VariableComparer	The clone.

Clone(string)

Use to clone this comparer.

Declaration

```
public VariableComparer Clone(string overrideBankGuid)
```

Parameters

TYPE	NAME	DESCRIPTION
string	overrideBankGuid	Guid for a new bank.

Returns

TYPE	DESCRIPTION
VariableComparer	The clone.

SetBankGuid(string)

Set this comparer's target bank Guid.

Declaration

```
public void SetBankGuid(string newBankGuid)
```

Parameters

TYPE	NAME	DESCRIPTION
string	newBankGuid	New Guid.



Class VariableSetter

Setter with a dynamic bank you select in the editor.

Inheritance

```
↳ object
  ↳ BaseVariableSetter
    ↳ VariableSetter
```

Inherited Members

[BaseVariableSetter.Perform\(\)](#)

Namespace: [com.absence.variablebanks](#)

Assembly: Assembly-CSharp-firstpass.dll

Syntax

```
[Serializable]
public sealed class VariableSetter : BaseVariableSetter
```

Properties

HasFixedBank

Will the bank selector be hidden in the editor?

Declaration

```
public override bool HasFixedBank { get; }
```

Property Value

TYPE

[bool](#)

Overrides

Methods

Clone()

Use to clone this setter.

Declaration

```
public VariableSetter Clone()
```

Returns

TYPE	DESCRIPTION
VariableSetter	The clone.

Clone(string)

Use to clone this setter.

Declaration

```
public VariableSetter Clone(string overrideBankGuid)
```

Parameters

TYPE	NAME	DESCRIPTION
string	overrideBankGuid	Guid for a new bank.

Returns

TYPE	DESCRIPTION
VariableSetter	The clone.

SetBankGuid(string)

Set this setter's target bank Guid.

Declaration

```
public void SetBankGuid(string newBankGuid)
```

Parameters

TYPE	NAME	DESCRIPTION
string	newBankGuid	New Guid.



Namespace com.absence.variablebanks.editor

Classes

[VariableBankAcquirerCustomEditor](#)

A custom editor script for `VariableBankAcquirer`.

[VariableBankCreationHandler](#)

The static class responsible for handling variable bank creation via editor menu.

[VariableBankDatabase](#)

The static class responsible for holding a list of all `VariableBank`s in the project. **Editor only! For runtime, use `GetInstance(string)` instead.**

[VariableBankReferencePropertyDrawer](#)

A custom property drawer script for `VariableBankReferencePropertyDrawer`.

[VariableComparerDrawer](#)

A custom property drawer for `BaseVariableComparer`.

[VariableSetterDrawer](#)

A custom property drawer script for `BaseVariableSetter`.



Class VariableBankAcquirerCustomEditor

A custom editor script for `VariableBankAcquirer`.

Inheritance

```
↳ object
  ↳ Object
    ↳ ScriptableObject
      ↳ Editor
        ↳ VariableBankAcquirerCustomEditor
```

Inherited Members

```
Editor.SaveChanges()
Editor.DiscardChanges()
Editor.CreateEditorWithContext(Object[], Object, Type)
Editor.CreateEditorWithContext(Object[], Object)
Editor.CreateCachedEditorWithContext(Object, Object, Type, ref Editor)
Editor.CreateCachedEditorWithContext(Object[], Object, Type, ref Editor)
Editor.CreateCachedEditor(Object, Type, ref Editor)
Editor.CreateCachedEditor(Object[], Type, ref Editor)
Editor.CreateEditor(Object)
Editor.CreateEditor(Object, Type)
Editor.CreateEditor(Object[])
Editor.CreateEditor(Object[], Type)
Editor.DrawPropertiesExcluding(SerializedObject, params string[])
Editor.DrawDefaultInspector()
Editor.Repaint()
Editor.CreateInspectorGUI()
Editor.RequiresConstantRepaint()
Editor.DrawHeader()
Editor.OnHeaderGUI()
Editor.ShouldHideOpenButton()
Editor.DrawFoldoutInspector(Object, ref Editor)
Editor.HasPreviewGUI()
Editor.GetPreviewTitle()
Editor.RenderStaticPreview(string, Object[], int, int)
Editor.OnPreviewGUI(Rect, GUIStyle)
Editor.OnInteractivePreviewGUI(Rect, GUIStyle)
Editor.OnPreviewSettings()
Editor.GetInfoString()
Editor.DrawPreview(Rect)
Editor.ReloadPreviewInstances()
```

Editor.UseDefaultMargins()
Editor.MoveNextTarget()
Editor.ResetTarget()
Editor.hasUnsavedChanges
Editor.saveChangesMessage
Editor.target
Editor.targets
Editor.serializedObject
Editor.finishedDefaultHeaderGUI
ScriptableObject.SetDirty()
ScriptableObject.CreateInstance(string)
ScriptableObject.CreateInstance(Type)
ScriptableObject.CreateInstance<T>()
Namespace: [com.absence.variablebanks.editor](#)
Assembly: Assembly-CSharp-Editor-firstpass.dll

Syntax

```
[CustomEditor(typeof(VariableBankAcquirer), true)]  
public class VariableBankAcquirerCustomEditor : Editor
```

Methods

OnInspectorGUI()

Implement this function to make a custom inspector.

Declaration

```
public override void OnInspectorGUI()
```

Overrides

UnityEditor.Editor.OnInspectorGUI()



Class VariableBankCreationHandler

The static class responsible for handling variable bank creation via editor menu.

Inheritance

↳ [object](#)

↳ [VariableBankCreationHandler](#)

Namespace: [com.absence.variablebanks.editor](#)

Assembly: Assembly-CSharp-Editor-firstpass.dll

Syntax

```
public static class VariableBankCreationHandler
```



Class VariableBankDatabase

The static class responsible for holding a list of all `VariableBank`s in the project. **Editor only! For runtime, use `GetInstance(string)` instead.**

Inheritance

↳ `object`

↳ `VariableBankDatabase`

Namespace: `com.absence.variablebanks.editor`

Assembly: Assembly-CSharp-Editor-firstpass.dll

Syntax

```
[InitializeOnLoad]  
public static class VariableBankDatabase
```

Properties

BanksInAssets

All of the banks in the project.

Declaration

```
public static List<VariableBank> BanksInAssets { get; }
```

Property Value

TYPE

`List<VariableBank>`

NoBanks

Returns true when there are no variable banks in the project's assets.

Declaration

```
public static bool NoBanks { get; }
```

Property Value

TYPE

bool

Methods

Exists(string)

Use to check if a bank with the target Guid exists.

Declaration

```
public static bool Exists(string bankGuid)
```

Parameters

TYPE	NAME	DESCRIPTION
------	------	-------------

string	bankGuid	Target Guid.
--------	----------	--------------

Returns

TYPE	DESCRIPTION
------	-------------

bool	True if exists, false otherwise.
------	----------------------------------

GetBankIfExists(string)

Declaration

```
public static VariableBank GetBankIfExists(string bankGuid)
```

Parameters

TYPE**NAME**

string	bankGuid
--------	----------

Returns**TYPE****VariableBank**

GetBankNameList()

Use to get a list of all variable banks' names.

Declaration

```
public static List<string> GetBankNameList()
```

Returns**TYPE****DESCRIPTION**

List<string>	Returns a list of all variable banks' (except of the ones marked as ForExternalUse) names.
--------------	-------------------------------------------------------------------------------------------------------------

GetIndexOf(string)

Get the index of the bank with the target Guid.

Declaration

```
public static int GetIndexOf(string bankGuid)
```

Parameters**TYPE****NAME****DESCRIPTION**

string	bankGuid	Target Guid.
--------	----------	--------------

Returns**TYPE****DESCRIPTION**

int	Returns -1 if the bank with the target Guid does not exists. Returns the index otherwise.
-----	-------------------------------------------------------------------------------------------

NameToGuid(string)

Use to get Guid of a bank with a specific name.

Declaration

```
public static string NameToGuid(string bankName)
```

Parameters

TYPE	NAME	DESCRIPTION
string	bankName	Target name.

Returns

TYPE	DESCRIPTION
string	Returns null if a bank with the target name does not exist. Returns the Guid otherwise.

Refresh()

Use to refresh the variable bank database.

Declaration

```
public static void Refresh()
```



Class VariableBankReferencePropertyDrawer

A custom property drawer script for `VariableBankReferencePropertyDrawer`.

Inheritance

- ↳ `object`
- ↳ `GUIDrawer`
- ↳ `PropertyDrawer`
- ↳ `VariableBankReferencePropertyDrawer`

Inherited Members

`PropertyDrawer.CreatePropertyGUI(SerializedProperty)`
`PropertyDrawer.CanCacheInspectorGUI(SerializedProperty)`
`PropertyDrawer.attribute`
`PropertyDrawer.fieldInfo`
`PropertyDrawer.preferredLabel`
Namespace: [com.absence.variablebanks.editor](#)
Assembly: Assembly-CSharp-Editor-firstpass.dll

Syntax

```
[CustomPropertyDrawer(typeof(VariableBankReference), true)]  
public class VariableBankReferencePropertyDrawer : PropertyDrawer
```

Methods

GetPropertyHeight(SerializedProperty, GUIContent)

Override this method to specify how tall the GUI for this field is in pixels.

Declaration

```
public override float GetPropertyHeight(SerializedProperty property, GUIContent label)
```

Parameters

TYPE	NAME	DESCRIPTION
SerializedProperty	property	The SerializedProperty to make the custom GUI for.
GUIContent	label	The label of this property.

Returns

TYPE	DESCRIPTION
------	-------------

float	The height in pixels.
-------	-----------------------

Overrides

UnityEditor.PropertyDrawer.GetPropertyHeight(UnityEditor.SerializedProperty, UnityEngine.GUIContent)

OnGUI(Rect, SerializedProperty, GUIContent)

Override this method to make your own IMGUI based GUI for the property.

Declaration

```
public override void OnGUI(Rect position, SerializedProperty property, GUIContent label)
```

Parameters

TYPE	NAME	DESCRIPTION
Rect	position	Rectangle on the screen to use for the property GUI.
SerializedProperty	property	The SerializedProperty to make the custom GUI for.
GUIContent	label	The label of this property.

Overrides

UnityEditor.PropertyDrawer.OnGUI(UnityEngine.Rect, UnityEditor.SerializedProperty, UnityEngine.GUIContent)



Class VariableComparerDrawer

A custom property drawer for [BaseVariableComparer](#).

Inheritance

- ↳ [object](#)
- ↳ [GUIDrawer](#)
- ↳ [PropertyDrawer](#)
- ↳ [VariableComparerDrawer](#)

Inherited Members

[PropertyDrawer.CanCacheInInspectorGUI\(SerializedProperty\)](#)

[PropertyDrawer.attribute](#)

[PropertyDrawer.fieldInfo](#)

[PropertyDrawer.preferredLabel](#)

Namespace: [com.absence.variablebanks.editor](#)

Assembly: Assembly-CSharp-Editor-firstpass.dll

Syntax

```
[CustomPropertyDrawer(typeof(BaseVariableComparer), true)]  
public class VariableComparerDrawer : PropertyDrawer
```

Fields

StyleSheetPath

Path of the uss file.

Declaration

```
protected static readonly string StyleSheetPath
```

Field Value

TYPE

string

Methods

CreatePropertyGUI(SerializedProperty)

Override this method to make your own UI Toolkit based GUI for the property.

Declaration

```
public override VisualElement CreatePropertyGUI(SerializedProperty property)
```

Parameters

TYPE	NAME	DESCRIPTION
SerializedProperty	property	The SerializedProperty to make the custom GUI for.

Returns

TYPE	DESCRIPTION
VisualElement	The element containing the custom GUI.

Overrides

UnityEditor.PropertyDrawer.CreatePropertyGUI(UnityEditor.SerializedProperty)

DrawGUI(VisualElement, SerializedProperty)

Declaration

```
protected virtual VisualElement DrawGUI(VisualElement container, SerializedProperty property)
```

Parameters

TYPE	NAME
VisualElement	container
SerializedProperty	property

Returns

TYPE

VisualElement

GetPropertyHeight(SerializedProperty, GUIContent)

Override this method to specify how tall the GUI for this field is in pixels.

Declaration

```
public override float GetPropertyHeight(SerializedProperty property, GUIContent label)
```

Parameters

TYPE	NAME	DESCRIPTION
SerializedProperty	property	The SerializedProperty to make the custom GUI for.
GUIContent	label	The label of this property.

Returns

TYPE DESCRIPTION

float The height in pixels.

Overrides

UnityEditor.PropertyDrawer.GetPropertyHeight(UnityEditor.SerializedProperty, UnityEngine.GUIContent)

OnGUI(Rect, SerializedProperty, GUIContent)

Override this method to make your own IMGUI based GUI for the property.

Declaration

```
public override void OnGUI(Rect position, SerializedProperty property, GUIContent label)
```

Parameters

TYPE	NAME	DESCRIPTION
Rect	position	Rectangle on the screen to use for the property GUI.
SerializedProperty	property	The SerializedProperty to make the custom GUI for.

TYPE	NAME	DESCRIPTION
GUIContent	label	The label of this property.

Overrides

UnityEditor.PropertyDrawer.OnGUI(UnityEngine.Rect, UnityEditor.SerializedProperty, UnityEngine.GUIContent)



Class VariableSetterDrawer

A custom property drawer script for [BaseVariableSetter](#).

Inheritance

- ↳ [object](#)
- ↳ [GUIDrawer](#)
- ↳ [PropertyDrawer](#)
- ↳ [VariableSetterDrawer](#)

Inherited Members

[PropertyDrawer.CanCacheInInspectorGUI\(SerializedProperty\)](#)

[PropertyDrawer.attribute](#)

[PropertyDrawer.fieldInfo](#)

[PropertyDrawer.preferredLabel](#)

Namespace: [com.absence.variablebanks.editor](#)

Assembly: Assembly-CSharp-Editor-firstpass.dll

Syntax

```
[CustomPropertyDrawer(typeof(BaseVariableSetter), true)]  
public class VariableSetterDrawer : PropertyDrawer
```

Fields

StyleSheetPath

Path of the uss file.

Declaration

```
protected static readonly string StyleSheetPath
```

Field Value

TYPE

string

Methods

CreatePropertyGUI(SerializedProperty)

Override this method to make your own UI Toolkit based GUI for the property.

Declaration

```
public override VisualElement CreatePropertyGUI(SerializedProperty property)
```

Parameters

TYPE	NAME	DESCRIPTION
SerializedProperty	property	The SerializedProperty to make the custom GUI for.

Returns

TYPE	DESCRIPTION
VisualElement	The element containing the custom GUI.

Overrides

UnityEditor.PropertyDrawer.CreatePropertyGUI(UnityEditor.SerializedProperty)

GetPropertyHeight(SerializedProperty, GUIContent)

Override this method to specify how tall the GUI for this field is in pixels.

Declaration

```
public override float GetPropertyHeight(SerializedProperty property, GUIContent label)
```

Parameters

TYPE	NAME	DESCRIPTION
SerializedProperty	property	The SerializedProperty to make the custom GUI for.

TYPE	NAME	DESCRIPTION
GUIContent	label	The label of this property.

Returns

TYPE	DESCRIPTION
float	The height in pixels.

Overrides

UnityEditor.PropertyDrawer.GetPropertyHeight(UnityEditor.SerializedProperty, UnityEngine.GUIContent)

OnGUI(Rect, SerializedProperty, GUIContent)

Override this method to make your own IMGUI based GUI for the property.

Declaration

```
public override void OnGUI(Rect position, SerializedProperty property, GUIContent label)
```

Parameters

TYPE	NAME	DESCRIPTION
Rect	position	Rectangle on the screen to use for the property GUI.
SerializedProperty	property	The SerializedProperty to make the custom GUI for.
GUIContent	label	The label of this property.

Overrides

UnityEditor.PropertyDrawer.OnGUI(UnityEngine.Rect, UnityEditor.SerializedProperty, UnityEngine.GUIContent)



Namespace com.absence.variablebanks.internals

Classes

[BaseVariableComparer](#)

The base class for comparers.

[BaseVariableSetter](#)

The base class for setters.

[Constants](#)

The static class responsible for holding the constants variables of the package.

[VariableBanksCloningHandler](#)

The static class responsible for cloning the banks at startup.

Enums

[BaseVariableComparer.ComparisonType](#)

An enum for deciding how the comparison will get performed.

[BaseVariableSetter.SetType](#)

An enum for deciding which way the setting will work.



Class BaseVariableComparer

The base class for comparers.

Inheritance

- ↳ [object](#)
- ↳ [BaseVariableComparer](#)
 - ↳ [NodeVariableComparer](#)
 - ↳ [FixedVariableComparer](#)
 - ↳ [VariableComparer](#)

Namespace: [com.absence.variablebanks.internals](#)

Assembly: Assembly-CSharp-firstpass.dll

Syntax

```
[Serializable]  
public abstract class BaseVariableComparer
```

Fields

m_boolValue

Declaration

```
[SerializeField]  
protected bool m_boolValue
```

Field Value

TYPE

[bool](#)

m_comparisonType

Declaration

```
[SerializeField]
protected BaseVariableComparer.ComparisonType m_comparisonType
```

Field Value

TYPE

BaseVariableComparer.ComparisonType

m_floatValue

Declaration

```
[SerializeField]
protected float m_floatValue
```

Field Value

TYPE

float

m_intValue

Declaration

```
[SerializeField]
protected int m_intValue
```

Field Value

TYPE

int

m_stringValue

Declaration

```
[SerializeField]
protected string m_stringValue
```

Field Value

TYPE

string

m_targetBankGuid

Declaration

```
[SerializeField]
protected string m_targetBankGuid
```

Field Value

TYPE

string

m_targetVariableName

Declaration

```
[SerializeField]
protected string m_targetVariableName
```

Field Value

TYPE

string

Properties

HasFixedBank

Will the bank selector be hidden in the editor?

Declaration

```
public abstract bool HasFixedBank { get; }
```

Property Value

TYPE

bool

Methods

GetResult()

Use to get the result of the comparer. **Runtime only.**

Declaration

```
public virtual bool GetResult()
```

Returns

TYPE DESCRIPTION

bool Result of the comparer. Returns true directly if anything goes wrong.

GetRuntimeBank()

Override to define how this comparer will find it's runtime bank.

Declaration

```
protected virtual VariableBank GetRuntimeBank()
```

Returns

TYPE DESCRIPTION

VariableBank The runtime bank or null



Enum BaseVariableComparer.ComparisonType

An enum for deciding how the comparison will get performed.

Namespace: [com.absence.variablebanks.internals](#)

Assembly: Assembly-CSharp-firstpass.dll

Syntax

```
public enum BaseVariableComparer.ComparisonType
```

Fields

NAME

EqualsTo

GreaterOrEqual

GreaterThan

LessOrEqual

LessThan

NotEquals



Class BaseVariableSetter

The base class for setters.

Inheritance

```
↳ object
  ↳ BaseVariableSetter
    ↳ NodeVariableSetter
    ↳ FixedVariableSetter
    ↳ VariableSetter
```

Namespace: [com.absence.variablebanks.internals](#)

Assembly: Assembly-CSharp-firstpass.dll

Syntax

```
[Serializable]
public abstract class BaseVariableSetter
```

Fields

m_boolValue

Declaration

```
[SerializeField]
protected bool m_boolValue
```

Field Value

TYPE

bool

m_floatValue

Declaration

```
[SerializeField]
protected float m_floatValue
```

Field Value

TYPE

float

m_intValue

Declaration

```
[SerializeField]
protected int m_intValue
```

Field Value

TYPE

int

m_setType

Declaration

```
[SerializeField]
protected BaseVariableSetter.SetType m_setType
```

Field Value

TYPE

BaseVariableSetter.SetType

m_stringValue

Declaration

```
[SerializeField]
protected string m_stringValue
```

Field Value

TYPE

string

m_targetBankGuid

Declaration

```
[SerializeField]
protected string m_targetBankGuid
```

Field Value

TYPE

string

m_targetVariableName

Declaration

```
[SerializeField]
protected string m_targetVariableName
```

Field Value

TYPE

string

Properties

HasFixedBank

Will the bank selector be hidden in the editor?

Declaration

```
public abstract bool HasFixedBank { get; }
```

Property Value

TYPE

bool

Methods

GetRuntimeBank()

Override to define how this setter will find it's runtime bank.

Declaration

```
protected virtual VariableBank GetRuntimeBank()
```

Returns

TYPE	DESCRIPTION
VariableBank	The runtime bank or null

Perform()

Sets the target variable in target `VariableBank` to intended value.

Declaration

```
public virtual void Perform()
```

Perform_Boolean(VariableBank)

Override to define the logic for booleans.

Declaration

```
protected virtual void Perform_Boolean(VariableBank bank)
```

Parameters

TYPE	NAME	DESCRIPTION
VariableBank	bank	Runtime bank.

Perform_Float(VariableBank)

Override to define the logic for floating points.

Declaration

```
protected virtual void Perform_Float(VariableBank bank)
```

Parameters

TYPE	NAME	DESCRIPTION
VariableBank	bank	Runtime bank.

Perform_Int(VariableBank)

Override to define the logic for integers.

Declaration

```
protected virtual void Perform_Int(VariableBank bank)
```

Parameters

TYPE	NAME	DESCRIPTION
VariableBank	bank	Runtime bank.

Perform_String(VariableBank)

Override to define the logic for strings.

Declaration

```
protected virtual void Perform_String(VariableBank bank)
```

Parameters

TYPE	NAME	DESCRIPTION
VariableBank	bank	Runtime bank.



Enum BaseVariableSetter.SetType

An enum for deciding which way the setting will work.

Namespace: [com.absence.variablebanks.internals](#)

Assembly: Assembly-CSharp-firstpass.dll

Syntax

```
public enum BaseVariableSetter.SetType
```

Fields

NAME

DecrementBy

DivideBy

IncrementBy

MultiplyBy

SetTo



Class Constants

The static class responsible for holding the constants variables of the package.

Inheritance

↳ [object](#)

↳ [Constants](#)

Namespace: [com.absence.variablebanks.internals](#)

Assembly: Assembly-CSharp-firstpass.dll

Syntax

```
public static class Constants
```

Fields

K_ADDRESSABLES_TAG

The addressables label of variable banks if you're using **Addressables** as the asset management tool.

Declaration

```
public const string K_ADDRESSABLES_TAG = "variable-banks"
```

Field Value

TYPE

string

K_RESOURCES_PATH

The resources path of variable banks if you're using **Resources API** as the asset management tool.

Declaration

```
public const string K_RESOURCES_PATH = "VariableBanks"
```

Field Value

TYPE

string



Class VariableBanksCloningHandler

The static class responsible for cloning the banks at startup.

Inheritance

↳ [object](#)
↳ [VariableBanksCloningHandler](#)

Namespace: [com.absence.variablebanks.internals](#)

Assembly: Assembly-CSharp-firstpass.dll

Syntax

```
public static class VariableBanksCloningHandler
```

Properties

CloningCompleted

Use to check if the cloning process got completed successfully.

Declaration

```
public static bool CloningCompleted { get; }
```

Property Value

TYPE

[bool](#)

Methods

AddCloningCompleteCallbackOrInvoke(Action)

Adds the action passed to `OnCloningCompleted` if the cloning process is not ended yet. If it is ended already, the action passed gets invoked instantly.

Declaration

```
public static bool AddCloningCompleteCallbackOrInvoke(Action callbackContext)
```

Parameters

TYPE	NAME
------	------

Action	callbackContext
--------	-----------------

Returns

TYPE

bool

Events

OnCloningCompleted

Action which will get invoked when cloning process gets completed successfully. It gets cleared automatically after invoking.

Declaration

```
public static event Action OnCloningCompleted
```

Event Type

TYPE

Action



Namespace com.absence.variablebanks.testing

Classes

[Varcaster](#)



Class Varcaster

Inheritance

- ↳ [object](#)
- ↳ [Object](#)
- ↳ [Component](#)
- ↳ [Behaviour](#)
- ↳ [MonoBehaviour](#)
- ↳ [Varcaster](#)

Namespace: [com.absence.variablebanks.testing](#)

Assembly: Assembly-CSharp-firstpass.dll

Syntax

```
public class Varcaster : MonoBehaviour
```