



# 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 <code>DialoguePartNode</code> 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 <b>DialoguePartNode</b> 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

## PerformEditorRefresh()

---

Invokes the `OnEditorRefresh`.

## Declaration

```
public void PerformEditorRefresh()
```

## Events

### OnEditorRefresh

---

Action which will get invoked if any value gets changed in the inspector when this dialogue is selected.

## Declaration

```
public event Action OnEditorRefresh
```

## 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.
<a href="#">string</a>	speech	Speech in context.
<a href="#">List&lt;Option&gt;</a>	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
<a href="#">Dialogue</a>	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. <a href="#">DecisionSpeechNode</a> 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 <a href="#">IContainSpeech</a> .
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 <a href="#">ExitDialogAfterwards</a> .



# 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.DialogueSoundsPla  
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.

### [DialogueCustomEditor](#)

Custom editor script for dialogues.

### [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](#)

### [NodeCustomEditor](#)

### [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 DialogueCustomEditor

Custom editor script for dialogues.

## Inheritance

- ↳ [object](#)
- ↳ [Object](#)
- ↳ [ScriptableObject](#)
- ↳ [Editor](#)
- ↳ [DialogueCustomEditor](#)

## 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.DrawDefaultInspector\(\)](#)
- [Editor.Repaint\(\)](#)
- [Editor.CreateInspectorGUI\(\)](#)
- [Editor.RequiresConstantRepaint\(\)](#)
- [Editor.DrawHeader\(\)](#)
- [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.dialoguesystem.editor](#)  
Assembly: Assembly-CSharp-Editor-firstpass.dll

## Syntax

```
[CustomEditor(typeof(Dialogue), false)]  
[HelpURL("https://b11odhand.github.io/absent-dialogues/api/com.absence.dialoguesystem.editor.DialogueC  
public sealed class DialogueCustomEditor : Editor
```

# Methods

## OnInspectorGUI()

---

Implement this function to make a custom inspector.

### Declaration

```
public override void OnInspectorGUI()
```

### Overrides

UnityEditor.Editor.OnInspectorGUI()



# 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 NodeCustomEditor

## Inheritance

```
↳ object
  ↳ Object
    ↳ ScriptableObject
      ↳ Editor
        ↳ NodeCustomEditor
```

## 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.DrawDefaultInspector()  
Editor.Repaint()  
Editor.CreateInspectorGUI()  
Editor.RequiresConstantRepaint()  
Editor.DrawHeader()  
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.dialoguesystem.editor**  
Assembly: Assembly-CSharp-Editor-firstpass.dll

## Syntax

```
[CustomEditor(typeof(Node), true)]  
public sealed class NodeCustomEditor : Editor
```

# Methods

## OnInspectorGUI()

---

Implement this function to make a custom inspector.

### Declaration

```
public override void OnInspectorGUI()
```

### Overrides

UnityEditor.Editor.OnInspectorGUI()



# 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://b1lodhand.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 [com.absence.variablesystem.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.

### [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 `com.absence.variablesystem.VariableComparer`s and `com.absence.variablesystem.VariableSetter`s to have the correct reference to the `Bank` of the current `Dialogue` everytime the editor window refreshes.

## [IPerformEditorRefresh](#)

Any node subtype with this interface implemented will get a callback when you change any value in the inspector.

# 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](#)
- [IPerformEditorRefresh](#)

## 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\(\)](#)

[Node.OnValidate\(\)](#)  
[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.Action")]
public class ActionNode : Node, IContainVariableManipulators, IPerformEditorRefresh
```

## 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<FixedVariableSetter> VBActions
```

## Field Value

### TYPE

---

List<FixedVariableSetter>

## 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

## 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 `com.absence.variablesystem.VariableBank` selection

## Declaration

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

## Returns

### TYPE

---

`List<FixedVariableComparer>`

# 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
<code>List&lt;(int portIndex, Node node)&gt;</code>	<code>result</code>

## Overrides

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

# GetSetters()

---

A list of comparers which you want to restrict in terms of `com.absence.variablesystem.VariableBank` selection

## Declaration

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

## Returns

## TYPE

---

List<FixedVariableSetter>

# 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\[\]\)](#)

# PerformEditorRefresh()

---

Use to declare what to do when any value gets changed in the inspector/

## Declaration

```
public void PerformEditorRefresh()
```

## 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](#)

[IPerformEditorRefresh](#)



# 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 `com.absence.variablesystem.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.Blackboard")]
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](#)
- [IPerformEditorRefresh](#)

## 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.OnValidate\(\)](#)

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, IPromoteEditorRefresh
```

## Fields

### Comparers

---

#### Declaration

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

#### Field Value

##### TYPE

---

List<FixedVariableComparer>

## 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

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

---

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 `com.absence.variablesystem.VariableBank` selection

## Declaration

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

## Returns

### TYPE

List<FixedVariableComparer>

## 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 `com.absence.variablesystem.VariableBank` selection

## Declaration

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

## Returns

### TYPE

---

`List<FixedVariableSetter>`

# 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\[\]\)](#)

## PerformEditorRefresh()

---

Use to declare what to do when any value gets changed in the inspector/

### Declaration

```
public void PerformEditorRefresh()
```

## 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 <a href="#">Processor</a>
------	--

## 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](#)

[IPerformEditorRefresh](#)



# Class DecisionSpeechNode

Node which displays a speech with options.

## Inheritance

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

## Implements

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

## 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, IPerformEc
```

## 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 `com.absence.variablesystem.VariableBank` selection

## Declaration

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

## Returns

### TYPE

---

`List<FixedVariableComparer>`

# 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
<code>List&lt;(int portIndex, Node node)&gt;</code>	<code>result</code>

## 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 [com.absence.variablesystem.VariableBank](#) selection

## Declaration

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

## Returns

TYPE
------

[List<FixedVariableSetter>](#)

# 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\[\]\)](#)

# PerformEditorRefresh()

---

Use to declare what to do when any value gets changed in the inspector/

## Declaration

```
public void PerformEditorRefresh()
```

# 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

IPerformEditorRefresh



# 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
------	-------------

<a href="#">string</a>	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
<a href="#">List&lt;(int portIndex, Node node)&gt;</a>	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 `com.absence.variablesystem.VariableComparer`s and `com.absence.variablesystem.VariableSetter`s 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 `com.absence.variablesystem.VariableBank` selection

#### Declaration

```
List<FixedVariableComparer> GetComparers()
```

#### Returns

##### TYPE

---

```
List<FixedVariableComparer>
```

### GetSetters()

A list of comparers which you want to restrict in terms of `com.absence.variablesystem.VariableBank` selection

#### Declaration

```
List<FixedVariableSetter> GetSetters()
```

## Returns

### TYPE

---

[List<FixedVariableSetter>](#)



# Interface IPerformEditorRefresh

Any node subtype with this interface implemented will get a callback when you change any value in the inspector.

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

Assembly: Assembly-CSharp-firstpass.dll

## Syntax

```
public interface IPerformEditorRefresh
```

## Methods

### PerformEditorRefresh()

---

Use to declare what to do when any value gets changed in the inspector/

#### Declaration

```
void PerformEditorRefresh()
```



# 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 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 `com.absence.variablesystem.VariableComparer`s which has a role on determining this option's visibility on display.

## Declaration

```
public List<FixedVariableComparer> ShowIfList
```

## Field Value

### TYPE

---

`List<FixedVariableComparer>`

## Methods

### Clone(VariableBank)

---

Use to clone this instance.

## Declaration

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

## Parameters

TYPE	NAME
VariableBank	overrideBank

## 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

### TYPE

---

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

[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\(int\)](#)

## 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