






Traduction

Package in package 'Diagramme de paquetage'

Traduction
Version 1.0 Phase 1.0 Proposed
paclab created on 2019-02-26. Last modified 2017-07-31

LINKS TO OTHER PACKAGES	
 Nesting from 'Traduction' Package to 'OptionTraduction' Package	Direction: Source -> Destination
 Nesting from 'Traduction' Package to 'EditeurAudio' Package	Direction: Source -> Destination
 PackageImport from 'Traduction' Package to 'GestionAudio' Package	Direction: Source -> Destination
 PackageImport from 'Traduction' Package to 'ContenuTéléchargeable' Package	Direction: Source -> Destination
 Nesting from 'EditeurAudio' Package to 'Traduction' Package	Direction: Source -> Destination
 Nesting from 'Langue' Package to 'Traduction' Package	Direction: Source -> Destination
 PackageImport from 'EditeurGUI' Package to 'Traduction' Package	Direction: Source -> Destination

Traduction diagram

Package diagram in package 'Traduction'

Traduction
Version 1.0
paclab created on 2019-02-26. Last modified 2019-02-27

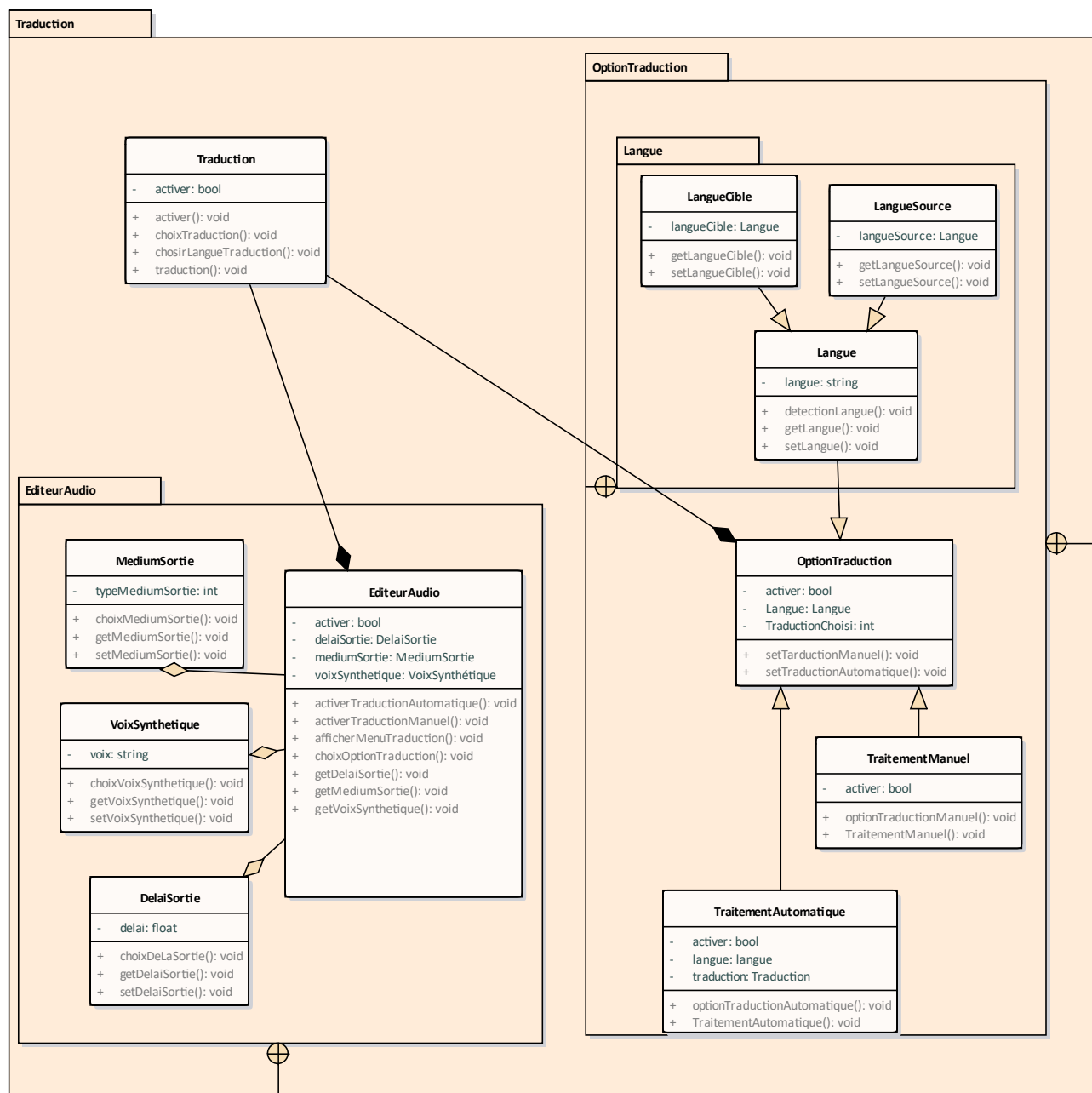


Figure 1: Traduction

DelaiSortie

Class in package 'Diagramme de classes'





Responsabilité: Cette classe a comme responsabilité de déterminer le temps entre l'entrée du flux audio et la sortie de la version traduite.

DelaiSortie
Version 1.0 Phase 1.0 Proposed
paclab created on 2019-02-12. Last modified 2019-02-18

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Aggregation from EditeurAudio to DelaiSortie

[Direction is 'Source -> Destination'.]

ATTRIBUTES	
 <code>delai : float Private</code>	[Is static True. Containment is Not Specified.]
OPERATIONS	
 <code>choixDeLaSortie () : void Public</code>	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 <code>getDelaiSortie () : void Public</code>	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 <code>setDelaiSortie () : void Public</code>	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]


EditeurAudio



Class in package 'Diagramme de classes'








Responsabilité: Cette classe permet de choisir différentes options d'édition de l'audio qui vont s'appliquer sur le flux audio que l'on veut traduire.

Cette classe agit aussi en interface en permettant d'afficher à l'utilisateur un menu de traduction.

EditeurAudio
Version 1.0 Phase 1.0 Proposed
paclab created on 2019-02-12. Last modified 2019-02-26

OUTGOING STRUCTURAL RELATIONSHIPS	
 Aggregation from EditeurAudio to VoixSynthetique	[Direction is 'Source -> Destination'.]
 Aggregation from EditeurAudio to DelaiSortie	[Direction is 'Source -> Destination'.]
 Aggregation from EditeurAudio to MediumSortie	[Direction is 'Source -> Destination'.]
INCOMING STRUCTURAL RELATIONSHIPS	
 Aggregation from Traduction to EditeurAudio	[Direction is 'Source -> Destination'.]
ATTRIBUTES	
 <code>activer : bool Private</code>	[Is static True. Containment is Not Specified.]

ATTRIBUTES	
 <code>delaiSortie : DelaiSortie Private</code>	[Is static True. Containment is Not Specified.]
 <code>mediumSortie : MediumSortie Private</code>	[Is static True. Containment is Not Specified.]
 <code>voixSynthetique : VoixSynthétique Private</code>	[Is static True. Containment is Not Specified.]

OPERATIONS	
 <code>activerTraductionAutomatique () : void Public</code>	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 <code>activerTraductionManuel () : void Public</code>	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 <code>afficherMenuTraduction () : void Public</code>	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 <code>choixOptionTraduction () : void Public</code>	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 <code>getDelaiSortie () : void Public</code>	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 <code>getMediumSortie () : void Public</code>	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 <code>getVoixSynthetique () : void Public</code>	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

Langue

Class in package 'Diagramme de classes'

Responsabilité: Permet de déterminer la langueCible et langueSource. Cette classe est polymorphique et est hérité par LangueCible et LangueSource.

Langue
Version 1.0 Phase 1.0 Proposed
paclab created on 2019-02-12. Last modified 2019-02-18

OUTGOING STRUCTURAL RELATIONSHIPS

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from `Langue` to `OptionTraduction`

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from `LangueSource` to `Langue`

[Direction is 'Source -> Destination'.]

⇒ Generalization from `LangueCible` to `Langue`

[Direction is 'Source -> Destination'.]

ATTRIBUTES

◆ `langue : string` Private

[Is static True. Containment is Not Specified.]

ASSOCIATIONS

✎ Association (direction: Bi-Directional)

Source: Public (Class) `FluxAudio`
Cardinality: [0..*]

Target: Public (Class) `Langue`
Cardinality: [1..*]

OPERATIONS

◆ `detectionLangue () : void` Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ `getLangue () : void` Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ `setLangue () : void` Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

LangueCible

Class in package 'Diagramme de classes'

Responsabilité: Détermine la langue cible, c-a-d de traduction.

LangueCible
Version 1.0 Phase 1.0 Proposed
paclab created on 2019-02-12. Last modified 2019-02-18

OUTGOING STRUCTURAL RELATIONSHIPS

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from `LangueCible` to `Langue`

[Direction is 'Source -> Destination'.]

ATTRIBUTES

◆ `langueCible` : `Langue` Private

[Is static True. Containment is Not Specified.]

OPERATIONS

◆ `getLangueCible ()` : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ `setLangueCible ()` : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

LangueSource

Class in package 'Diagramme de classes'

Responsabilité: Détermine la langue Source

LangueSource
Version 1.0 Phase 1.0 Proposed
paclab created on 2019-02-12. Last modified 2019-02-18

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from `LangueSource` to `Langue`

[Direction is 'Source -> Destination'.]

ATTRIBUTES

◆ `langueSource` : `Langue` Private

[Is static True. Containment is Not Specified.]

OPERATIONS

◆ `getLangueSource ()` : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ `setLangueSource ()` : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

MediumSortie

Class in package 'Diagramme de classes'

Responsabilité: Cette classe détermine quel medium de sortie sera choisi pour la diffusion du flux audio traduit.

MediumSortie
Version 1.0 Phase 1.0 Proposed
paclab created on 2019-02-12. Last modified 2019-02-18

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Aggregation from EditeurAudio to MediumSortie

[Direction is 'Source -> Destination'.]

ATTRIBUTES

💎 typeMediumSortie : int Private

[Is static True. Containment is Not Specified.]

OPERATIONS

💎 choixMediumSortie () : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

💎 getMediumSortie () : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

💎 setMediumSortie () : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

OptionTraduction

Class in package 'Diagramme de classes'

Cette classe permet de choisir les options de traduction sur le flux. Elle agit aussi en tant qu'interface avec l'utilisateur.

OptionTraduction
Version 1.0 Phase 1.0 Proposed
paclab created on 2019-02-26. Last modified 2019-02-26

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Aggregation from Traduction to OptionTraduction

[Direction is 'Source -> Destination'.]

⇒ Generalization from TraitementAutomatique to OptionTraduction

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS	
⇒ Generalization from Langue to OptionTraduction	[Direction is 'Source -> Destination'.]
⇒ Generalization from TraitementManuel to OptionTraduction	[Direction is 'Source -> Destination'.]
ATTRIBUTES	
◆ activer : bool Private	[Is static True. Containment is Not Specified.]
◆ Langue : Langue Private	[Is static True. Containment is Not Specified.]
◆ TraductionChoisi : int Private	[Is static True. Containment is Not Specified.]
OPERATIONS	
◆ setTraductionManuel () : void Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setTraductionAutomatique () : void Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]


Traduction

Class in package 'Diagramme de classes'

Responsabilité: Gérer les éléments nécessaires à la traduction soit le flux audio, le type de traduction, la langue et les options de traduction. La classe Traduction a un couplage élevé pour gérer plusieurs types de traduction et langue en plus d'offrir une interface classe OptionTraduction qui permet de sélectionner des options de traduction.

Traduction
Version 1.0 Phase 1.0 Proposed
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OUTGOING STRUCTURAL RELATIONSHIPS	
⇐ Aggregation from Traduction to OptionTraduction	[Direction is 'Source -> Destination'.]
⇐ Aggregation from Traduction to EditeurAudio	[Direction is 'Source -> Destination'.]
ATTRIBUTES	

ATTRIBUTES
 activer : bool Private


[Is static True. Containment is Not Specified.]

ASSOCIATIONS
 Association (direction: Source -> Destination)


 Source: Public (Class) FluxAudio
 Cardinality: [0..*]

 Target: Public (Class) Traduction
 Cardinality: [1..*]
OPERATIONS
 activer () : void Public


[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

 choixTraduction () : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

 chosirLangueTraduction () : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

 traduction () : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]


TraitementAutomatique

Class in package 'Diagramme de classes'


Responsabilité: TraductionAutomatique fait la traduction direct d'un flux audio lorsque spécifier.

 TraitementAutomatique
 Version 1.0 Phase 1.0 Proposed
 paclab created on 2019-02-12. Last modified 2019-02-26
OUTGOING STRUCTURAL RELATIONSHIPS
 Generalization from TraitementAutomatique to OptionTraduction




[Direction is 'Source -> Destination'.]

ATTRIBUTES
 activer : bool Private

[Is static True. Containment is Not Specified.]

 langue : langue Private

[Is static True. Containment is Not Specified.]

ATTRIBUTES	
 traduction : Traduction Private	[Is static True. Containment is Not Specified.]
OPERATIONS	
 optionTraductionAutomatique () : void Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 TraitementAutomatique () : void Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

TraitementManuel

Class in package 'Diagramme de classes'

Responsabilité: TraductionManuel fait la traduction du flux audio seulement lorsque l'utilisateur en fait l'activation.

TraitementManuel
Version 1.0 Phase 1.0 Proposed
paclab created on 2019-02-12. Last modified 2019-02-26

OUTGOING STRUCTURAL RELATIONSHIPS	
 Generalization from TraitementManuel to OptionTraduction	[Direction is 'Source -> Destination'.]
ATTRIBUTES	
 activer : bool Private	[Is static True. Containment is Not Specified.]
OPERATIONS	
 optionTraductionManuel () : void Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 TraitementManuel () : void Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

VoixSynthetique

Class in package 'Diagramme de classes'

Responsabilité: Cette classe fait la gestion des voix synthétiques qui s'appliqueront au flux audio sortie traduit.

VoixSynthetique

Version 1.0 Phase 1.0 Proposed
 paclab created on 2019-02-12. Last modified 2019-02-18

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Aggregation from EditeurAudio to VoixSynthetique

[Direction is 'Source -> Destination'.]

ATTRIBUTES

◆ voix : string Private

[Is static True. Containment is Not Specified.]

OPERATIONS

◆ choixVoixSynthetique () : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ getVoixSynthetique () : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ setVoixSynthetique () : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

Traduction

Package in package 'Diagramme de paquetage'

Traduction
 Version 1.0 Phase 1.0 Proposed
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CONNECTORS

⇒ **Nesting** Source -> Destination
 From: Traduction : Package, Public
 To: OptionTraduction : Package, Public

⇒ **Nesting** Source -> Destination
 From: Traduction : Package, Public
 To: EditeurAudio : Package, Public

⇒ **Nesting** Source -> Destination
 From: EditeurAudio : Package, Public
 To: Traduction : Package, Public

CONNECTORS


 **Nesting** Source -> Destination
 From: Langue : Package, Public
 To: Traduction : Package, Public


EditeurAudio

Package in package 'Traduction'

EditeurAudio
 Version 1.0 Phase 1.0 Proposed
 paclab created on 2019-02-26. Last modified 2019-02-26

CONNECTORS

 **Nesting** Source -> Destination
 From: EditeurAudio : Package, Public
 To: Traduction : Package, Public


 **Nesting** Source -> Destination
 From: Traduction : Package, Public
 To: EditeurAudio : Package, Public


OptionTraduction


Package in package 'Traduction'


OptionTraduction
 Version 1.0 Phase 1.0 Proposed
 paclab created on 2019-02-26. Last modified 2019-02-26

CONNECTORS


 **Nesting** Source -> Destination
 From: OptionTraduction : Package, Public
 To: Langue : Package, Public

 **Nesting** Source -> Destination
 From: Traduction : Package, Public
 To: OptionTraduction : Package, Public

 **Nesting** Source -> Destination
 From: Langue : Package, Public
 To: OptionTraduction : Package, Public

 **Nesting** Source -> Destination
 From: Langue : Package, Public
 To: OptionTraduction : Package, Public

CONNECTORS


 **Nesting** Source -> Destination
From: Langue : Package, Public
To: OptionTraduction : Package, Public


Langue


Package in package 'OptionTraduction'


Langue
Version 1.0 Phase 1.0 Proposed
paclab created on 2019-02-26. Last modified 2019-02-26


CONNECTORS

 **Nesting** Source -> Destination
From: Langue : Package, Public
To: OptionTraduction : Package, Public

 **Nesting** Source -> Destination
From: Langue : Package, Public
To: Traduction : Package, Public

 **Nesting** Source -> Destination
From: Langue : Package, Public
To: OptionTraduction : Package, Public

 **Nesting** Source -> Destination
From: Langue : Package, Public
To: OptionTraduction : Package, Public



 **Nesting** Source -> Destination
From: OptionTraduction : Package, Public
To: Langue : Package, Public

EditeurAudio

Package in package 'Traduction'

EditeurAudio
Version 1.0 Phase 1.0 Proposed
paclab created on 2019-02-26. Last modified 2019-02-26

LINKS TO OTHER PACKAGES

LINKS TO OTHER PACKAGES	
 Nesting from 'EditeurAudio' Package to 'Traduction' Package	Direction: Source -> Destination
 Nesting from 'Traduction' Package to 'EditeurAudio' Package	Direction: Source -> Destination

EditeurAudio diagram

Package diagram in package 'EditeurAudio'

EditeurAudio

Version 1.0

paclab created on 2019-02-27. Last modified 2019-02-27

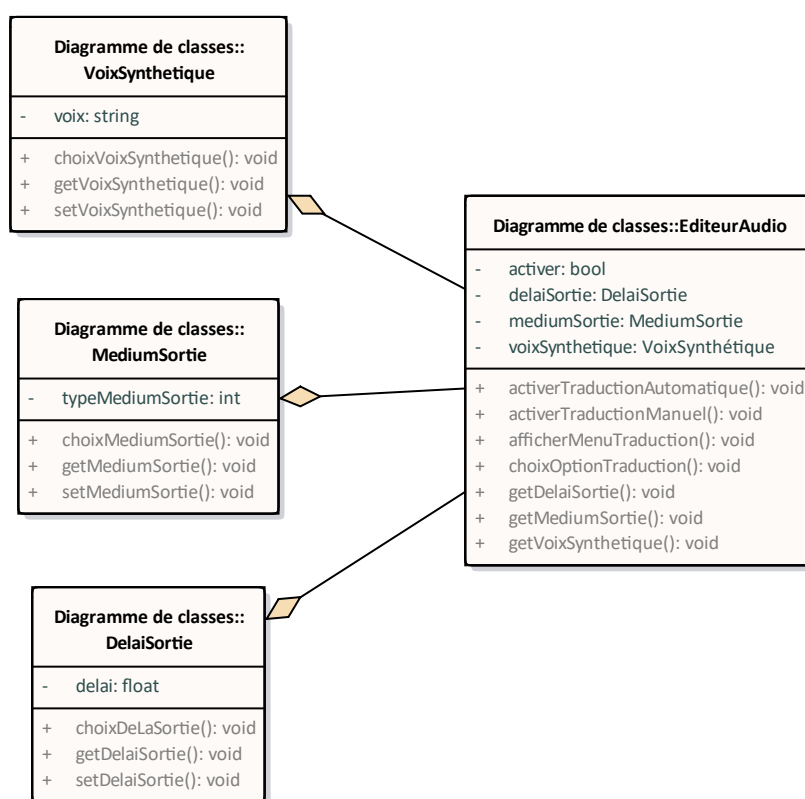


Figure 2: EditeurAudio

DelaiSortie

Class in package 'Diagramme de classes'

Responsabilité: Cette classe a comme responsabilité de déterminer le temps entre l'entrée du flux audio et la sortie de la version traduite.

DelaiSortie

Version 1.0 Phase 1.0 Proposed

paclab created on 2019-02-12. Last modified 2019-02-18

INCOMING STRUCTURAL RELATIONSHIPS

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Aggregation from EditeurAudio to DelaiSortie

[Direction is 'Source -> Destination'.]

ATTRIBUTES

◆ delai : float Private

[Is static True. Containment is Not Specified.]

OPERATIONS

◆ choixDeLaSortie () : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ getDelaiSortie () : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ setDelaiSortie () : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

EditeurAudio

Class in package 'Diagramme de classes'

Responsabilité: Cette classe permet de choisir différentes options d'édition de l'audio qui vont s'appliquer sur le flux audio que l'on veut traduire.

Cette classe agit aussi en interface en permettant d'afficher à l'utilisateur un menu de traduction.

EditeurAudio
Version 1.0 Phase 1.0 Proposed
paclab created on 2019-02-12. Last modified 2019-02-26

OUTGOING STRUCTURAL RELATIONSHIPS

⇐ Aggregation from EditeurAudio to VoixSynthetique

[Direction is 'Source -> Destination'.]

⇐ Aggregation from EditeurAudio to DelaiSortie

[Direction is 'Source -> Destination'.]

⇐ Aggregation from EditeurAudio to MediumSortie

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Aggregation from Traduction to EditeurAudio

[Direction is 'Source -> Destination'.]

ATTRIBUTES

◆ activer : bool Private

[Is static True. Containment is Not Specified.]

◆ delaiSortie : DelaiSortie Private

[Is static True. Containment is Not Specified.]

◆ mediumSortie : MediumSortie Private

[Is static True. Containment is Not Specified.]

◆ voixSynthetique : VoixSynthétique Private

[Is static True. Containment is Not Specified.]

OPERATIONS

◆ activerTraductionAutomatique () : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ activerTraductionManuel () : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ afficherMenuTraduction () : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ choixOptionTraduction () : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ getDelaiSortie () : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ getMediumSortie () : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ getVoixSynthetique () : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

MediumSortie

Class in package 'Diagramme de classes'

Responsabilité: Cette classe détermine quel medium de sortie sera choisi pour la diffusion du flux audio traduit.

MediumSortie
Version 1.0 Phase 1.0 Proposed
paclab created on 2019-02-12. Last modified 2019-02-18

INCOMING STRUCTURAL RELATIONSHIPS	
⇒ Aggregation from EditeurAudio to MediumSortie	[Direction is 'Source -> Destination'.]
ATTRIBUTES	
typeMediumSortie : int Private	[Is static True. Containment is Not Specified.]
OPERATIONS	
◆ choixMediumSortie () : void Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getMediumSortie () : void Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setMediumSortie () : void Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]




VoixSynthetique

Class in package 'Diagramme de classes'

Responsabilité: Cette classe fait la gestion des voix synthétiques qui s'appliqueront au flux audio sortie traduit.

VoixSynthetique
Version 1.0 Phase 1.0 Proposed
paclab created on 2019-02-12. Last modified 2019-02-18

INCOMING STRUCTURAL RELATIONSHIPS	
⇒ Aggregation from EditeurAudio to VoixSynthetique	[Direction is 'Source -> Destination'.]
ATTRIBUTES	
◆ voix : string Private	[Is static True. Containment is Not Specified.]
OPERATIONS	

OPERATIONS	
 choixVoixSynthetique () : void Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 getVoixSynthetique () : void Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 setVoixSynthetique () : void Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

DelaiSortie

Class in package 'EditeurAudio'

DelaiSortie
Version 1.0 Phase 1.0 Proposed
paclab created on 2019-02-26. Last modified 2019-02-26

FormatSortie

Class in package 'EditeurAudio'

FormatSortie
Version 1.0 Phase 1.0 Proposed
paclab created on 2019-02-26. Last modified 2019-02-26

MediumSortie

Class in package 'EditeurAudio'

MediumSortie
Version 1.0 Phase 1.0 Proposed
paclab created on 2019-02-26. Last modified 2019-02-26

EditeurControl





Interface in package 'EditeurAudio'

EditeurControl
Version 1.0 Phase 1.0 Proposed
paclab created on 2019-02-26. Last modified 2019-02-26

OptionTraduction

Package in package 'Traduction'

OptionTraduction
Version 1.0 Phase 1.0 Proposed
paclab created on 2019-02-26. Last modified 2019-02-26

LINKS TO OTHER PACKAGES	
 Nesting from 'OptionTraduction' Package to 'Langue' Package	Direction: Source -> Destination
 Nesting from 'Traduction' Package to 'OptionTraduction' Package	Direction: Source -> Destination
 Nesting from 'Langue' Package to 'OptionTraduction' Package	Direction: Source -> Destination
 Nesting from 'Langue' Package to 'OptionTraduction' Package	Direction: Source -> Destination
 Nesting from 'Langue' Package to 'OptionTraduction' Package	Direction: Source -> Destination

OptionTraduction diagram

Package diagram in package 'OptionTraduction'

OptionTraduction
Version 1.0
paclab created on 2019-02-27. Last modified 2019-02-27

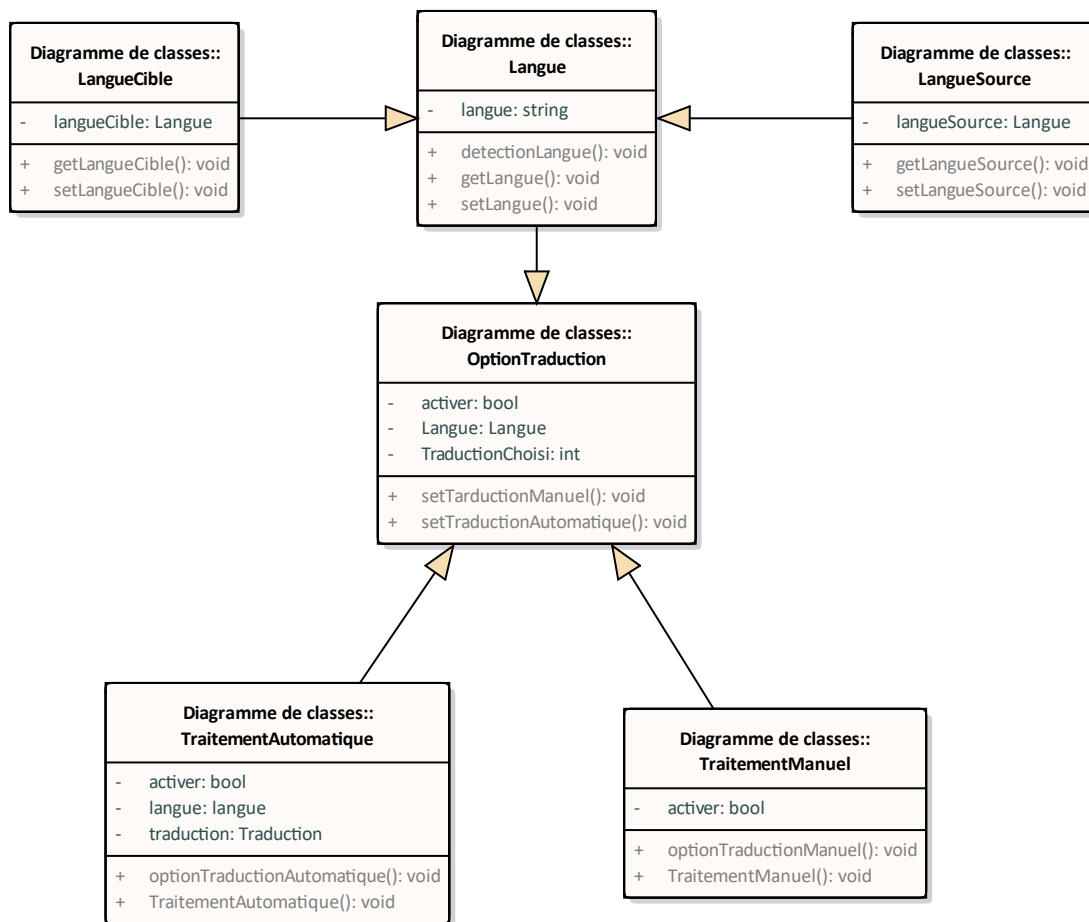


Figure 3: OptionTraduction

Langue

Class in package 'Diagramme de classes'

Responsabilité: Permet de déterminer la langueCible et langueSource. Cette classe est polymorphique et est hérité par LangueCible et LangueSource.

Langue
Version 1.0 Phase 1.0 Proposed
paclab created on 2019-02-12. Last modified 2019-02-18

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from Langue to OptionTraduction

[Direction is 'Source -> Destination'.]


INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from LangueSource to Langue

[Direction is 'Source -> Destination'.]

⇒ Generalization from LangueCible to Langue


[Direction is 'Source -> Destination'.]

ATTRIBUTES
 langue : string Private


[Is static True. Containment is Not Specified.]

ASSOCIATIONS
 Association (direction: Bi-Directional)


 Source: Public (Class) FluxAudio
 Cardinality: [0..*]

 Target: Public (Class) Langue
 Cardinality: [1..*]
OPERATIONS
 detectionLangue () : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

 getLangue () : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]


 setLangue () : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]


LangueCible

Class in package 'Diagramme de classes'

Responsabilité: Détermine la langue cible, c-a-d de traduction.

 LangueCible
 Version 1.0 Phase 1.0 Proposed
 paclab created on 2019-02-12. Last modified 2019-02-18
OUTGOING STRUCTURAL RELATIONSHIPS
 Generalization from LangueCible to Langue


[Direction is 'Source -> Destination'.]

ATTRIBUTES
 langueCible : Langue Private

[Is static True. Containment is Not Specified.]

OPERATIONS
 getLangueCible () : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

 setLangueCible () : void Public

OPERATIONS

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

LangueSource


Class in package 'Diagramme de classes'

Responsabilité: Détermine la langue Source


LangueSource

Version 1.0 Phase 1.0 Proposed

paclab created on 2019-02-12. Last modified 2019-02-18

OUTGOING STRUCTURAL RELATIONSHIPS
 Generalization from LangueSource to Langue


[Direction is 'Source -> Destination'.]

ATTRIBUTES
 langueSource : Langue Private

[Is static True. Containment is Not Specified.]

OPERATIONS
 getLangueSource () : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

 setLangueSource () : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

OptionTraduction


Class in package 'Diagramme de classes'

Cette classe permet de choisir les options de traduction sur le flux. Elle agit aussi en tant qu'interface avec l'utilisateur.

OptionTraduction

Version 1.0 Phase 1.0 Proposed

paclab created on 2019-02-26. Last modified 2019-02-26

INCOMING STRUCTURAL RELATIONSHIPS
 Aggregation from Traduction to OptionTraduction

[Direction is 'Source -> Destination'.]

 Generalization from TraitementAutomatique to OptionTraduction

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from Langue to OptionTraduction

[Direction is 'Source -> Destination'.]

⇒ Generalization from TraitementManuel to OptionTraduction

[Direction is 'Source -> Destination'.]

ATTRIBUTES

◆ activer : bool Private

[Is static True. Containment is Not Specified.]

◆ Langue : Langue Private

[Is static True. Containment is Not Specified.]

◆ TraductionChoisi : int Private

[Is static True. Containment is Not Specified.]

OPERATIONS

◆ setTraductionManuel () : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ setTraductionAutomatique () : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

TraitementAutomatique

Class in package 'Diagramme de classes'

Responsabilité: TraductionAutomatique fait la traduction direct d'un flux audio lorsque spécifier.

TraitementAutomatique
Version 1.0 Phase 1.0 Proposed
paclab created on 2019-02-12. Last modified 2019-02-26

OUTGOING STRUCTURAL RELATIONSHIPS

⇐ Generalization from TraitementAutomatique to OptionTraduction


[Direction is 'Source -> Destination'.]



ATTRIBUTES

◆ activer : bool Private

[Is static True. Containment is Not Specified.]

◆ langue : langue Private

ATTRIBUTES	
	[Is static True. Containment is Not Specified.]
 traduction : Traduction Private	[Is static True. Containment is Not Specified.]

OPERATIONS	
 optionTraductionAutomatique () : void Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 TraitementAutomatique () : void Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]


TraitementManuel


Class in package 'Diagramme de classes'

Responsabilité: TraductionManuel fait la traduction du flux audio seulement lorsque l'utilisateur en fait l'activation.

TraitementManuel
Version 1.0 Phase 1.0 Proposed
paclab created on 2019-02-12. Last modified 2019-02-26

OUTGOING STRUCTURAL RELATIONSHIPS	
 Generalization from TraitementManuel to OptionTraduction	[Direction is 'Source -> Destination'.]

ATTRIBUTES	
 activer : bool Private	[Is static True. Containment is Not Specified.]

OPERATIONS	
 optionTraductionManuel () : void Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 TraitementManuel () : void Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

Langue

Package in package 'OptionTraduction'

Langue
Version 1.0 Phase 1.0 Proposed
paclab created on 2019-02-26. Last modified 2019-02-26

LINKS TO OTHER PACKAGES	
 Nesting from 'Langue' Package to 'OptionTraduction' Package	Direction: Source -> Destination
 Nesting from 'Langue' Package to 'Traduction' Package	Direction: Source -> Destination
 Nesting from 'Langue' Package to 'OptionTraduction' Package	Direction: Source -> Destination
 Nesting from 'Langue' Package to 'OptionTraduction' Package	Direction: Source -> Destination
 Nesting from 'OptionTraduction' Package to 'Langue' Package	Direction: Source -> Destination

Langue diagram

Package diagram in package 'Langue'

Langue
Version 1.0
paclab created on 2019-02-27. Last modified 2019-02-27

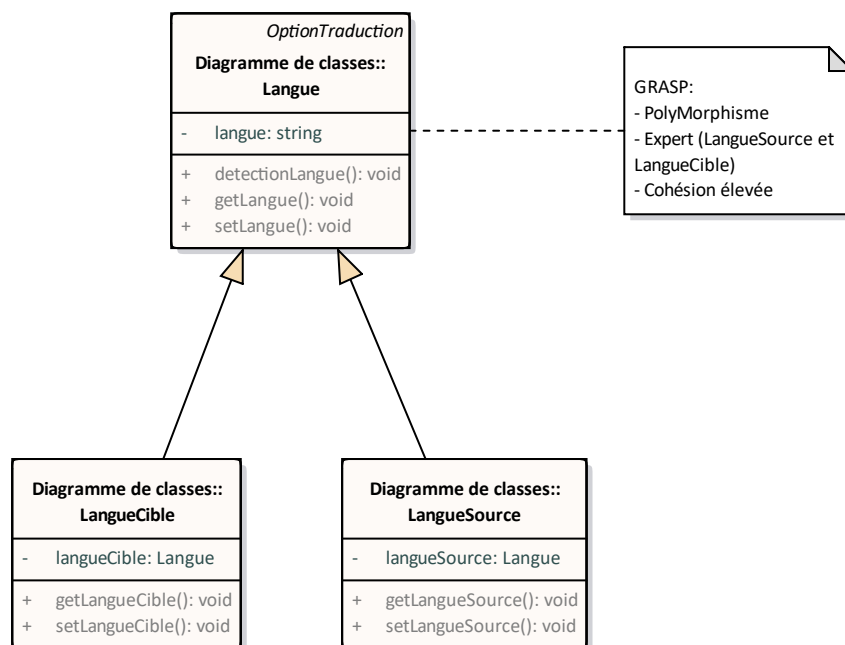


Figure 4: Langue

Langue

Class in package 'Diagramme de classes'

Responsabilité: Permet de déterminer la langueCible et langueSource. Cette classe est polymorphique et est hérité par LangueCible et LangueSource.

Langue
Version 1.0 Phase 1.0 Proposed
paclab created on 2019-02-12. Last modified 2019-02-18

OUTGOING STRUCTURAL RELATIONSHIPS

↩ Generalization from Langue to OptionTraduction

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from LangueSource to Langue

[Direction is 'Source -> Destination'.]

⇒ Generalization from LangueCible to Langue

[Direction is 'Source -> Destination'.]

ATTRIBUTES

💎 langue : string Private

[Is static True. Containment is Not Specified.]

ASSOCIATIONS

✍ Association (direction: Bi-Directional)

Source: Public (Class) FluxAudio
Cardinality: [0..*]

Target: Public (Class) Langue
Cardinality: [1..*]

OPERATIONS

💎 detectionLangue () : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

💎 getLangue () : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

💎 setLangue () : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

LangueCible

Class in package 'Diagramme de classes'

Responsabilité: Détermine la langue cible, c-a-d de traduction.

LangueCible
Version 1.0 Phase 1.0 Proposed
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OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from LangueCible to Langue

[Direction is 'Source -> Destination'.]

ATTRIBUTES

◆ langueCible : Langue Private

[Is static True. Containment is Not Specified.]

OPERATIONS

◆ getLangueCible () : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ setLangueCible () : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

LangueSource

Class in package 'Diagramme de classes'

Responsabilité: Détermine la langue Source

LangueSource
Version 1.0 Phase 1.0 Proposed
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OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from LangueSource to Langue

[Direction is 'Source -> Destination'.]

ATTRIBUTES

◆ langueSource : Langue Private

[Is static True. Containment is Not Specified.]

OPERATIONS

◆ getLangueSource () : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ setLangueSource () : void Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

OPERATIONS**Note**

Note in package 'Langue'

GRASP:

- PolyMorphisme
- Expert (LangueSource et LangueCible)
- Cohésion élevée

Note

Version 1.0 Phase 1.0 Proposed
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Extends

LangueCible

Class in package 'Langue'

LangueCible

Version 1.0 Phase 1.0 Proposed
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LangueSource

Class in package 'Langue'

LangueSource

Version 1.0 Phase 1.0 Proposed
paclab created on 2019-02-26. Last modified 2019-02-26

TraitementAutomatique

Class in package 'OptionTraduction'

TraitementAutomatique

Version 1.0 Phase 1.0 Proposed
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TraitementManuel

Class in package 'OptionTraduction'

TraitementManuel

Version 1.0 Phase 1.0 Proposed
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OptionControl

Interface in package 'OptionTraduction'

OptionControl
Version 1.0 Phase 1.0 Proposed
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TraductionControl

Interface in package 'Traduction'

TraductionControl
Version 1.0 Phase 1.0 Proposed
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