Traduction

Package in package 'Diagramme de paquetage'

<div align="right">

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

</div>

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

Package Contents diagram

Package diagram in package 'Traduction'

<div align="right">

Package Contents
Version 1.0
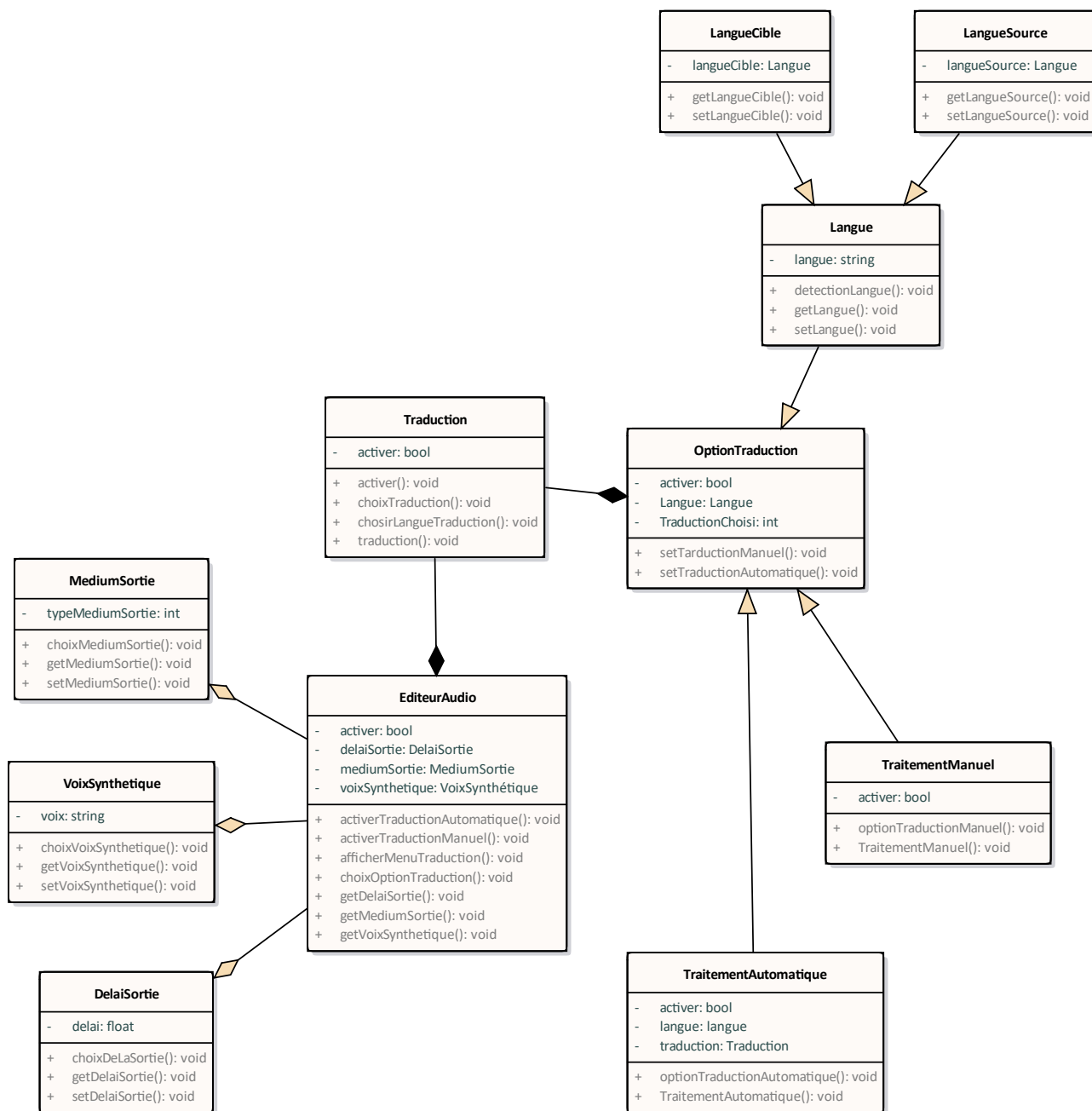paclab created on 2019-02-26. Last modified 2019-02-26

</div>

Figure 1: Package Contents

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.

<div align="right">

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

</div>

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 permetant 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 DelaiSortie

[Direction is 'Source -> Destination'.]

⬅ Aggregation from EditeurAudio to VoixSynthetique

[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

◆ activer : bool Private

[Is static True. Containment is Not Specified.]

ATTRIBUTES

◆ 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.]

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   Target: Public (Class) Langue
   Cardinality: [0..*]   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

➡ Generalization from Langue to OptionTraduction

[Direction is 'Source -> Destination'.]

➡ Generalization from TraitementAutomatique to OptionTraduction

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

➡ Generalization from TraitementManuel to OptionTraduction

[Direction is 'Source -> Destination'.]

➡ Aggregation from Traduction 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

◆ setTarductionManuel () : 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
paclab created on 2019-02-12. Last modified 2019-02-18

OUTGOING STRUCTURAL RELATIONSHIPS

⬅ Aggregation from Traduction to EditeurAudio

[Direction is 'Source -> Destination'.]

⬅ Aggregation from Traduction to OptionTraduction

[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   Target: Public (Class) Traduction
  Cardinality: [0..*]   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.]

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

⬅ Nesting from 'EditeurAudio' Package to 'Traduction' Package	Direction:	Source -> Destination
⬅ Nesting from 'Traduction' Package to 'EditeurAudio' Package	Direction:	Source -> Destination

---

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'

<div align="right">

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

</div>

MediumSortie

Class in package 'EditeurAudio'

<div align="right">

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

</div>

EditeurControl

Interface in package 'EditeurAudio'

<div align="right">

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

</div>

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 'Langue' Package to 'OptionTraduction' 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

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 '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 'OptionTraduction' Package to 'Langue' Package	Direction:	Source -> Destination

LangueCible

Class in package 'Langue'

LangueCible
Version 1.0 Phase 1.0 Proposed

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

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

TraitementManuel

Class in package 'OptionTraduction'

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

OptionControl

Interface in package 'OptionTraduction'

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

TraductionControl

Interface in package 'Traduction'

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