NotesManager
`<<singleton>>`

NotesManager

- -tabNotes: Notes**
- -nbNotes: unsigned int
- -nbMaxNotes: unsigned int
- -<< static >> instance: NotesManager*

- +addNote(n:Note*): void
- +deleteNote(id:const QString&): void
- +deleteArchive(): void
- +viderCorbeille(): void
- +restaurerCorbeille(): void
- +testCorbeille(): bool
- +restaurerArchiveNote(id:const QString&): void
- +existeNote(id:const QString&): bool
- +<<static>> donneInstance(): NotesManager&
- +<<static>> supprimeInstance(): void
- +getIterator(): Iterator
- +getNote(id:const QString&): Note&
- +createNote(id:const string&,titre:const string&): void
- +saveNote(id:const string&): void
- +SaveEverythingXML(): void
- +LoadFileXML(): void
- +saveVersion(_note:Note*): void
- +restateVersion(_note:Note*,version:QDateTime): void
- +NotesManager()
- +~NotesManager()
- +NotesManager(): const NotesManager&
- +operator =(const NotesManager&): void

RelationManager

RelationManager

- -tabRelations: Relation**
- -nbRelations: unsigned int
- -nbMaxRelations: unsigned int
- -instance: RelationManager {static}

- +addRelation(rel:Relation*): void
- +deleteRelation(_titre:QString): void
- +getRelation(_titre:QString): Relation&
- +createReference(): void
- +updateReference(idNote:const QString&,texte:const QString&): bool
- +existeRelation(_titre:QString): bool
- +donneInstance(): RelationManager& {static}
- +supprimeInstance(): void {static}
- +getIterator(): Iterator
- +saveEveryRelationsXML(stream:QXmlStreamWriter*): void
- +LoadRelationXML(stream:QXmlStreamReader*): void
- -RelationManager()
- -~RelationManager()
- -RelationManager(const RelationManager&)
- -operator=(const RelationManager&): void

type_statut
`<<enumeration>>`

type_statut

- en_attente
- en_cours
- termine

Memento

Memento

- -titre: QString
- -date_modif: QDateTime

- +getTitre(): QString {const}
- +getDateModif(): const QDateTime& {const}
- +Memento(_titre:QString)
- +Memento(_titre:QString,_dateModif:QDateTime)
- +~Memento(): {virtual}
- +saveXML(): void {virtual}
- +dateToString(date:QDateTime): QString

Gardien

Gardien

- -tab_memento: QList<Memento*>

- +Gardien()
- +Gardien(mem:Memento*)
- +~Gardien()
- +addMemento(mem:Memento*): void
- +getMemento(dateModif:QDateTime): Memento&
- +sizeMemento(): unsigned int
- +empty(): bool {const}
- +getIterator(): Iterator {const}

Note
`<<abstract, friend NoteManager>>`

Note

- -identificateur: QString
- -titre: QString
- -date_creation: QDateTime
- -date_modif: QDateTime
- -etat: TypeEtatNote
- -gardien_note: Gardien*
-   friend class NotesManager

- +getId(): QString {const}
- +getTitre(): QString {const}
- +getDateCrea(): QDateTime {const}
- +getDateModif(): QDateTime {const}
- +getGardien(): Gardien* {const}
- +setTitre(): void
- +newDateModif(): void
- +dateTimeToString(): QString {const}
- +etatToString(): QString {const}
- +restateMemento(Memento*:mem): void {virtual} = 0
- +createMemento(): Memento* {const , virtual} = 0
- -saveXML(stream:QXmlStreamWriter*): void {virtual} = 0
- -Note(_id:QString,_titre:QString, dateCrea:QDateTime,
-         _dateModif:QDateTime,TypeEtatNote:_etat=active)
- -Note(id:QString,_titre:QString)
- +~Note()

Relation

Relation

- -titre: QString
- -description: QString
- -tabCouples: Couple**
- -nbCouples: unsigned int
- -nbMaxCouples: unsigned int
- -orientee: bool

- +Relation(_titre:QString,_desc:QString,_orientee:bool=true)
- +~Relation()
- +addCouple(_x:QString,_y:QString,_label:QString="default"): void
- +deleteCouple(_x:QString,_y:QString): void
- +existeCouple(_x:QString,_y:QString): bool
- +getCouple(QString: _x,_y:QString): Couple&
- +inverseOrientation(): void
- +getTitre(): QString
- +getDescription(): QString
- +getOrientee(): bool
- +setTitre(): void
- +setDescription(_desc:QString): void
- +getIterator(): Iterator
- +saveXML(stream:QXmlStreamWriter*): void

Couple

Couple

- -x: QString
- -y: QString
- -label: QString
-   friend class Relation

- +getx(): QString
- +gety(): QString
- +getLabel(): QString
- +setLabel(_label:QString): void
- -Couple(_x:QString,_y:QString,_label:QString)
- -saveXML(stream:QXmlStreamWriter*): void

MementoMultimedia

MementoMultimedia

- -description: QString
- -fichier: QString
- -type: TypeMultimedia

- +MementoMultimedia(_titre:QString,_description:QString,
-         _fichier:QString,_type:TypeMultimedia)
- +MementoMultimedia(_titre:QString,_description:QString,
-         _fichier:QString,_type:TypeMultimedia,
-         _dateModif:QDateTime)
- +getDescription(): QString {const}
- +getFichier(): QString {const}
- +getType(): TypeMultimedia {const}
- +typeToString(): typeToString
- +saveXML(stream:QXmlStreamWriter*): void {virtual}

MementoTache

MementoTache

- -action: QString
- -priorite: unsigned int
- -date_echeance: QDateTime
- -statut: TypeStatut

- +MementoTache(_titre:QString,_action:QString,
-         _date_echeance:QDateTime,_priorite:unsigned int=0,
-         _statut:TypeStatut=cours)
- +MementoTache(_titre:QString,_action:QString,
-         _priorite:unsigned int=0,_statut:TypeStatut=cours)
- +getAction(): QString {const}
- +getPriorite(): unsigned int {const}
- +getEcheance(): QDateTime {const}
- +getStatut(): TypeStatut {const}
- +statutToString(): QString
- +saveXML(stream:QXmlStreamWriter*): void {virtual}

MementoArticle

MementoArticle

- -texte: QString

- +MementoArticle(_titre:QString,_texte:QString)
- +MementoArticle(_titre:QString,_texte:QString,
-         _dateModif:QDateTime)
- +getTexte(): QString {const}
- +getTexte(): QString {const}
- +saveXML(): void {virtual}

Article

Article

- -texte: QString

- +getTexte(): QString
- +setTexte(_texte:QString): void
- +Article(id:QString,_titre:QString,_texte:QString)
- +Article(id:QString,_titre:QString,_texte:QString,
-         _dateCrea:QDateTime,_dateModif:QDateTime)
- +Article(id:QString,_titre:QString,_texte:QString,
-         _dateCrea:QDateTime,_dateModif:QDateTime,
-         _etat:TypeEtatNote=active)
- +~Article()
- +createMemento(): Memento*)
- +restateMemento(mem:Memento*): void
- -saveXML(stream:QXmlStreamWriter*): void

multimedia

multimedia

- -description: QString
- -fichier: QString
- -type: TypeMultimedia

- +getDescription(): QString
- +Multimedia(id:QString,_titre:QString,desc:QString,
-         _fichier:QString,_type:TypeMultimedia)
- +Multimedia(id:QString,_titre:QString,desc:QString,
-         _fichier:QString,_type:TypeMultimedia,
-         _dateCrea:QDateTime,_dateModif:QDateTime,
-         _etat:TypeEtatNote=active)
- +~Multimedia()
- +getDescription(): QString {const}
- +getFicher(): QString {const}
- +getType(): TypeMultimedia {const}
- +setDescription(desc:QString): viod
- +setFichier(file:QString): void
- +setType(_type:TypeMultimedia): void
- +typeToString(): QString
- +createMemento(): Memento* {const}
- +restateMemento(mem:Memento*): void
- +saveXML(stream:QXmlStreamWriter*): void

Tache

Tache

- -action: QString
- -priorite: unsigned int
- -date_echeance : QDateTime
- -statut: TypeStatut = attente

- +Tache(id:QString,_titre:QString,_action:QString,
-         date:QDateTime,_priorite:unsigned int=0,
-         _statut:TypeStatut=attente)
- +Tache(id:QString,_titre:QString,_action:QString,
-         _priorite:unsigned int=0,_statut:TypeStatut=attente)
- +Tache(id:QString,_titre:QString,_action:QString,
-         date:QDateTime,_dateCrea:QDateTime,
-         _dateModif:QDateTime,_priorite:unsigned int,
-         _statut:TypeStatut=attente,_etat:TypeEtatNote=active)
- +~Tache()
- +getAction(): QString
- +getPriorite(): unsigned int
- +getDateEcheance(): QDateTime
- +getStatut(): TypeStatut
- +setAction(_action:QString): void
- +setPriority(_priorite:unsigned int): void
- +setDateEcheance(dateEcheance:QDateTime): void
- +setStatut(_statut:TypeStatut): void
- +statutToString(): QString
- +createMemento(): Memento*
- +restateMemento(mem:Memento*): void
- +saveXML(stream:QXmlStreamWriter*): void