

TPbib

sanaa

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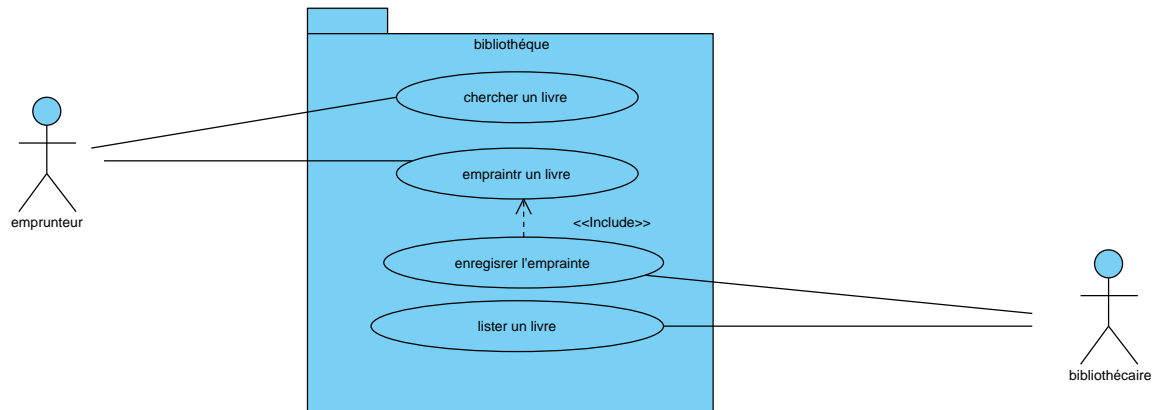
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Use Case Diagram

Use Case Diagram



Name	Value
Name	Use Case Diagram
Author	sanaa
Create Date Time	19 avr. 2022 14:36:19
Last Modified	19 avr. 2022 16:59:01
Show Extend Condition	false

Summary

Name	Documentation
emprunteur	toute personne qui peut emprunter un livre
bibliothécaire	une personne à qui sont confiées des tâches de gestion des collections documentaires et d'aide aux usagers dans une bibliothèque , mais aussi des fonctions d'administration générale.Elle a pour rôle de gérer les livres contenus da la bibliothèque et les personnes qui accèdent à la bibliothèque.
chercher un livre	tout personne peut cherché si un livre excit dans la bibliothèque selon son nom . Il vas recevoir comme réponse l'état du livre qui peut prendre deux valeurs: <ul style="list-style-type: none">• disponible• indisponible•
empraintr un livre	suite à une recherche d'un livre donné et s'il est disponible l'emprunteur peut demandé ce livre et l'emprunter
enregistrer l'emprunte	Après la demande de l'emprunte , la bibliothécaire va enregistré cet emprunte en rentrant les information du emprunteur , la date de l'emprunte et la date de retour.
lister un livre	la bibiliothécaire peut lister les livres de la bibliothèque
bibliothèque	l'ensemble des opérations possibles


Details




emprunteur

Name	Value	
Documentation	toute personne qui peut emprunter un livre	
Author	sanaa	
Create Date Time	19 avr. 2022 14:45:28	
Last Modified	19 avr. 2022 16:07:45	
ID	AC01	
Visibility	public	
Abstract	false	
Leaf	false	
Root	false	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Model element at root	Add model element to a container
	Name does not contain glossary terms	Define name as term in glossary
Business Model	false	
Goals		

Relationships

Unnamed Association		
To	Name	Value
	End Model Element	 chercher un livre
	Author	sanaa
	Create Date Time	19 avr. 2022 14:47:33
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	Unspecified
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	sanaa	
Create Date Time	19 avr. 2022 14:47:33	
Last Modified	19 avr. 2022 14:56:31	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	


Unnamed Association		
To	Name	Value
	End Model Element	 empraintr un livre
	Author	sanaa
	Create Date Time	19 avr. 2022 14:47:37
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	Unspecified
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	sanaa	
Create Date Time	19 avr. 2022 14:47:37	
Last Modified	19 avr. 2022 14:56:31	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	


bibliothécaire

Name	Value
Documentation	une personne à qui sont confiées des tâches de gestion des collections documentaires et d'aide aux usagers dans une biblio thèque , mais aussi des fonctions d'administration générale.Elle a pour rôle de gérer les livres contenus da la bibliothèque et les personnes qui accèdent à la bibliothèque.
Author	sanaa
Create Date Time	19 avr. 2022 14:45:44
Last Modified	19 avr. 2022 14:56:31
ID	AC02
Visibility	public
Abstract	false
Leaf	false
Root	false

Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Model element at root	Add model element to a container
	Name does not contain glossary terms	Define name as term in glossary
Business Model	false	
Goals		

Relationships

Unnamed Association		
From	Name	Value
	End Model Element	 enregistrer l'emprainte
	Author	sanaa
	Create Date Time	19 avr. 2022 14:47:45
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	Unspecified
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	sanaa	
Create Date Time	19 avr. 2022 14:47:45	
Last Modified	19 avr. 2022 14:56:31	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	


Unnamed Association		
From	Name	Value
	End Model Element	 lister un livre
	Author	sanaa
	Create Date Time	19 avr. 2022 14:47:49
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	Unspecified
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	sanaa	
Create Date Time	19 avr. 2022 14:47:49	
Last Modified	19 avr. 2022 14:56:31	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	

chercher un livre

Name	Value
Documentation	<p>tout personne peut cherché si un livre excit dans la bibliothèque selon son nom . Il vas recevoir comme réponse l'état du livre qui peut prendre deux valeurs:</p> <ul style="list-style-type: none"> • disponible • indisponible •
Author	sanaa
Create Date Time	19 avr. 2022 14:43:42
Last Modified	19 avr. 2022 16:21:21
ID	UC01
Abstract	false
Leaf	false

Root	false	
Stereotypes	UseCase	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Business Model	false	

Relationships


Unnamed Association		
From	Name	Value
	End Model Element	 emprunteur
	Author	sanaa
	Create Date Time	19 avr. 2022 14:47:33
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	Unspecified
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	sanaa	
Create Date Time	19 avr. 2022 14:47:33	
Last Modified	19 avr. 2022 14:56:31	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	


empraintr un livre

Name	Value
Documentation	suite à une recherche d'un livre donné et s'il est disponible l'emprunteur peut demandé ce livre et l'emprunter
Author	sanaa
Create Date Time	19 avr. 2022 14:44:17

Last Modified	19 avr. 2022 16:21:21	
ID	UC02	
Abstract	false	
Leaf	false	
Root	false	
Stereotypes	UseCase	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Business Model	false	

Relationships


Unnamed Association		
From	Name	Value
	End Model Element	 emprunteur
	Author	sanaa
	Create Date Time	19 avr. 2022 14:47:37
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	Unspecified
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	sanaa	
Create Date Time	19 avr. 2022 14:47:37	
Last Modified	19 avr. 2022 14:56:31	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	


Unnamed Include	
From	 enregisrer l'emprainte
Author	sanaa
Create Date Time	19 avr. 2022 14:53:53
Last Modified	19 avr. 2022 15:07:01
Visibility	Unspecified
Stereotypes	Include
Quality Score	Good

enregisrer l'emprainte

Name	Value	
Documentation	Après la demande de l'emprainte , la bibliothécaire va enregistré cet emprainte en rentrant les information du emprunteur , la date de l'emprainte et la date de retour.	
Author	sanaa	
Create Date Time	19 avr. 2022 14:44:51	
Last Modified	19 avr. 2022 16:21:21	
ID	UC03	
Abstract	false	
Leaf	false	
Root	false	
Stereotypes	UseCase	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Business Model	false	

Relationships

Unnamed Association		
To	Name	Value
	End Model Element	 bibliothécaire
	Author	sanaa
	Create Date Time	19 avr. 2022 14:47:45
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	Unspecified
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	sanaa	
Create Date Time	19 avr. 2022 14:47:45	
Last Modified	19 avr. 2022 14:56:31	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	


Unnamed Include	
To	 empraintr un livre
Author	sanaa
Create Date Time	19 avr. 2022 14:53:53
Last Modified	19 avr. 2022 15:07:01
Visibility	Unspecified
Stereotypes	Include
Quality Score	Good

lister un livre

Name	Value
Documentation	la bibliothécaire peut lister les livres de la bibliothèque

Author	sanaa	
Create Date Time	19 avr. 2022 14:45:14	
Last Modified	19 avr. 2022 16:58:05	
ID	UC04	
Abstract	false	
Leaf	false	
Root	false	
Stereotypes	UseCase	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Business Model	false	





Relationships

Unnamed Association		
To	Name	Value
	End Model Element	 bibliothécaire
	Author	sanaa
	Create Date Time	19 avr. 2022 14:47:49
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	Unspecified
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	sanaa	
Create Date Time	19 avr. 2022 14:47:49	
Last Modified	19 avr. 2022 14:56:31	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	

bibliothèque

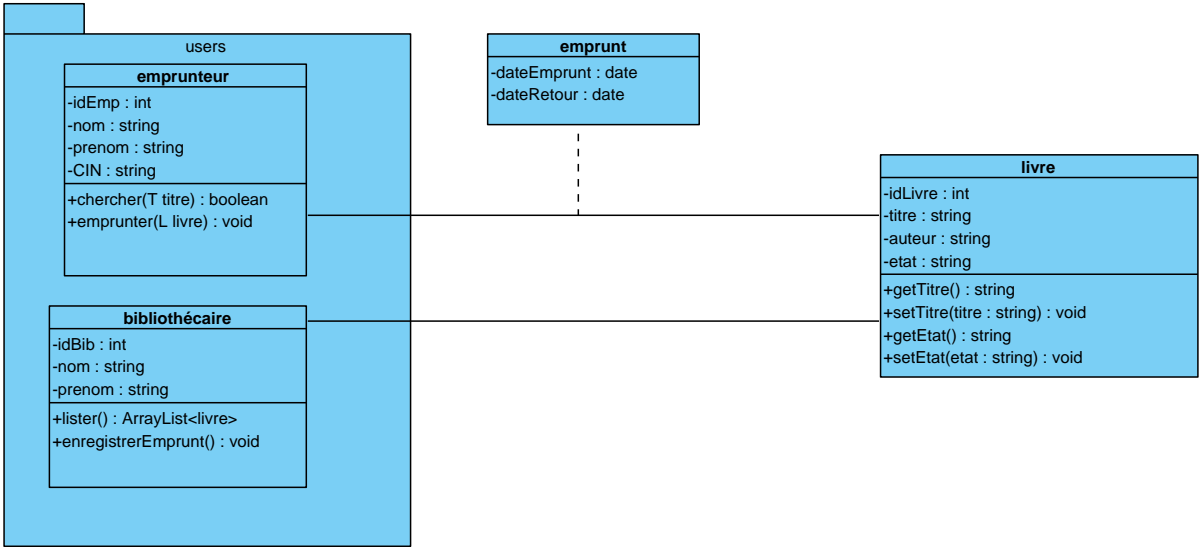
Name	Value	
Documentation	l'ensemble des opérations possibles	
Author	sanaa	
Create Date Time	19 avr. 2022 14:47:03	
Last Modified	19 avr. 2022 16:10:51	
Abstract	false	
Leaf	false	
Root	false	
Quality Score	Very Bad	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
	Model element without any relationship	Connect model element with relationship
Visibility	public	

Children

Name	Documentation
 chercher un livre	tout personne peut cherché si un livre excit dans la bibliothèque selon son nom . Il vas recevoir comme réponse l'état du livre qui peut prendre deux valeurs: <ul style="list-style-type: none"> • disponible • indisponible •
 empraintr un livre	suite à une recherche d'un livre donné et s'il est disponible l'emprunteur peut demandé ce livre et l'emprunter
 enregisrer l'emprainte	Après la demande de l'emprainte , la bibliothécaire va enregistré cet emprainte en rentrant les information du emprunteur , la date de l'emprainte et la date de retour.
 lister un livre	la bibiliothécaire peut lister les livres de la bibliothèque






Class Diagram

Class Diagram



Name	Value
Name	Class Diagram
Author	sanaa
Create Date Time	19 avr. 2022 14:39:23
Last Modified	19 avr. 2022 16:04:41

Summary



Name	Documentation
 users	
 emprunt	
 emprunteur	
 livre	
 bibliothécaire	

Details

users

Name	Value	
Author	sanaa	
Create Date Time	19 avr. 2022 14:52:59	
Last Modified	19 avr. 2022 14:56:31	
Abstract	false	
Leaf	false	
Root	false	
Quality Score	Very Bad	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
	Model element without any relationship	Connect model element with relationship
Visibility	public	

Children

Name	Documentation
 emprunteur	
 bibliothécaire	

emprunt

Name	Value	
Author	sanaa	
Create Date Time	19 avr. 2022 14:54:48	
Last Modified	19 avr. 2022 15:07:01	
Active	false	
Business Key Mutable	true	
Business Model	false	
Visibility	public	
Leaf	false	
Root	false	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Model element at root	Add model element to a container
	Name does not contain glossary terms	Define name as term in glossary

Attributes

private dateEmprunt : date			
Author	sanaa		
Create Date Time	19 avr. 2022 14:54:59		
Last Modified	19 avr. 2022 14:56:31		
Type	date		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		
Derived Union	false		
Read Only	false		
Leaf	false		

private dateRetour : date			
Author	sanaa		
Create Date Time	19 avr. 2022 14:55:16		
Last Modified	19 avr. 2022 14:56:31		
Type	date		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		
Derived Union	false		
Read Only	false		
Leaf	false		


Relationships


Unnamed Association Class	
From	— N/A
Author	sanaa
Create Date Time	19 avr. 2022 14:59:43
Last Modified	19 avr. 2022 15:07:01
Quality Score	Good
Visibility	Unspecified


emprunteur

Name	Value	
Author	sanaa	
Create Date Time	19 avr. 2022 14:48:22	
Last Modified	19 avr. 2022 15:07:01	
Active	false	
Business Key Mutable	true	
Business Model	false	
Visibility	public	
Leaf	false	
Root	false	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary

Attributes

private idEmp : int			
Author	sanaa		
Create Date Time	19 avr. 2022 14:48:53		
Last Modified	19 avr. 2022 14:56:31		
Type	 int		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		
Derived Union	false		
Read Only	false		
Leaf	false		

private nom : string			
Author	sanaa		
Create Date Time	19 avr. 2022 14:49:04		
Last Modified	19 avr. 2022 14:56:31		
Type	 string		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		
Derived Union	false		
Read Only	false		
Leaf	false		

private prenom : string			
Author	sanaa		
Create Date Time	19 avr. 2022 14:49:17		
Last Modified	19 avr. 2022 14:56:31		
Type	 string		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		
Derived Union	false		
Read Only	false		
Leaf	false		

private CIN : string			
Author	sanaa		
Create Date Time	19 avr. 2022 14:49:26		
Last Modified	19 avr. 2022 14:56:31		
Type	 string		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		
Derived Union	false		
Read Only	false		
Leaf	false		



Operations

public chercher (T titre) : boolean		
Parameters	T titre	
	Author	sanaa
	Create Date Time	19 avr. 2022 14:50:19
	Last Modified	19 avr. 2022 14:56:31
	Multiplicity	Unspecified
	Direction	inout
Author	sanaa	
Create Date Time	19 avr. 2022 14:49:54	
Last Modified	19 avr. 2022 14:56:31	
Static	false	
Leaf	false	
Ordered	false	
Unique	true	
Query	false	

public emprunter (L livre) : void		
Parameters	L livre	
	Author	sanaa
	Create Date Time	19 avr. 2022 14:50:40
	Last Modified	19 avr. 2022 14:56:31
	Multiplicity	Unspecified
	Direction	inout
Author	sanaa	
Create Date Time	19 avr. 2022 14:50:19	
Last Modified	19 avr. 2022 14:56:31	
Static	false	
Leaf	false	
Ordered	false	
Unique	true	
Query	false	

Relationships


Unnamed Association


From	Name		Value	
	End Model Element		 livre	
	Author		sanaa	
	Create Date Time		19 avr. 2022 14:59:27	
	Provide Property Getter Method		false	
	Provide Property Setter Method		false	
	Multiplicity		Unspecified	
	Visibility		Unspecified	
	Aggregation Kind		None	
	Navigable		true	
	Derived		false	
	Derived Union		false	
	Read Only		false	
	Static		false	
	Leaf		false	
Author	sanaa			
Create Date Time	19 avr. 2022 14:59:27			
Last Modified	19 avr. 2022 15:07:01			
Abstract	false			
Leaf	false			
Visibility	Unspecified			
Quality Score	Good			
Derived	false			
Relationships	Unnamed Association Class			
	To	 emprunt		
	Author	sanaa		
	Create Date Time	19 avr. 2022 14:59:43		
	Last Modified	19 avr. 2022 15:07:01		
	Quality Score	Good		
	Visibility	Unspecified		


livre


Name	Value	
Author	sanaa	
Create Date Time	19 avr. 2022 14:56:28	
Last Modified	19 avr. 2022 15:07:01	
Active	false	
Business Key Mutable	true	
Business Model	false	
Visibility	public	
Leaf	false	
Root	false	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Model element at root	Add model element to a container
	Name does not contain glossary terms	Define name as term in glossary

Attributes

private idLivre : int			
Author	sanaa		
Create Date Time	19 avr. 2022 14:57:04		
Last Modified	19 avr. 2022 15:07:01		
Type	 int		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		
Derived Union	false		
Read Only	false		
Leaf	false		


private titre : string			
Author	sanaa		
Create Date Time	19 avr. 2022 14:57:14		
Last Modified	19 avr. 2022 15:07:01		
Type	 string		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		
Derived Union	false		
Read Only	false		
Leaf	false		

private auteur : string			
Author	sanaa		
Create Date Time	19 avr. 2022 14:57:22		
Last Modified	19 avr. 2022 15:07:01		
Type	 string		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		
Derived Union	false		
Read Only	false		
Leaf	false		

private etat : string			
Author	sanaa		
Create Date Time	19 avr. 2022 14:57:31		
Last Modified	19 avr. 2022 15:07:01		
Type	 string		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		
Derived Union	false		
Read Only	false		
Leaf	false		

Operations

public getTitre () : string	
Author	sanaa
Create Date Time	19 avr. 2022 14:58:42
Last Modified	19 avr. 2022 15:07:01
Static	false
Leaf	false
Ordered	false
Unique	true
Query	false


public setTitre (titre : string) : void		
Parameters	titre	
	Author	sanaa
	Create Date Time	19 avr. 2022 14:58:42
	Last Modified	19 avr. 2022 15:07:01
	Multiplicity	Unspecified
	Type	 string
	Direction	inout
Author	sanaa	
Create Date Time	19 avr. 2022 14:58:42	
Last Modified	19 avr. 2022 15:07:01	
Static	false	
Leaf	false	
Ordered	false	
Unique	true	
Query	false	


public getEtat () : string	
Author	sanaa
Create Date Time	19 avr. 2022 14:59:05
Last Modified	19 avr. 2022 15:07:01
Static	false
Leaf	false
Ordered	false
Unique	true
Query	false

public setEtat (etat : string) : void		
Parameters	etat	
	Author	sanaa
	Create Date Time	19 avr. 2022 14:59:05
	Last Modified	19 avr. 2022 15:07:01
	Multiplicity	Unspecified
	Type	● string
	Direction	inout
Author	sanaa	
Create Date Time	19 avr. 2022 14:59:05	
Last Modified	19 avr. 2022 15:07:01	
Static	false	
Leaf	false	
Ordered	false	
Unique	true	
Query	false	

Relationships

Unnamed Association		
To	Name	Value
	End Model Element	📖 emprunteur
	Author	sanaa
	Create Date Time	19 avr. 2022 14:59:27
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	Unspecified
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	sanaa	
Create Date Time	19 avr. 2022 14:59:27	
Last Modified	19 avr. 2022 15:07:01	
Abstract	false	
Leaf	false	
Visibility	Unspecified	


Quality Score	Good	
Derived	false	
Relationships	Unnamed Association Class	
	To	 emprunt
	Author	sanaa
	Create Date Time	19 avr. 2022 14:59:43
	Last Modified	19 avr. 2022 15:07:01
	Quality Score	Good
	Visibility	Unspecified


Unnamed Association		
From	Name	Value
	End Model Element	 bibliothécaire
	Author	sanaa
	Create Date Time	19 avr. 2022 14:59:37
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	Unspecified
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	sanaa	
Create Date Time	19 avr. 2022 14:59:37	
Last Modified	19 avr. 2022 15:07:01	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	

bibliothécaire

Name	Value	
Author	sanaa	
Create Date Time	19 avr. 2022 14:50:45	
Last Modified	19 avr. 2022 15:07:01	
Active	false	
Business Key Mutable	true	
Business Model	false	
Visibility	public	
Leaf	false	
Root	false	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary

Attributes

private idBib : int			
Author	sanaa		
Create Date Time	19 avr. 2022 14:51:17		
Last Modified	19 avr. 2022 14:56:31		
Type	 int		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		
Derived Union	false		
Read Only	false		
Leaf	false		

private nom : string			
Author	sanaa		
Create Date Time	19 avr. 2022 14:51:29		
Last Modified	19 avr. 2022 14:56:31		
Type	 string		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		
Derived Union	false		
Read Only	false		
Leaf	false		


private prenom : string			
Author	sanaa		
Create Date Time	19 avr. 2022 14:51:34		
Last Modified	19 avr. 2022 14:56:31		
Type	 string		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		
Derived Union	false		
Read Only	false		
Leaf	false		

Operations

public lister () : ArrayList	
Author	sanaa
Create Date Time	19 avr. 2022 14:51:57
Last Modified	19 avr. 2022 14:56:31
Static	false
Leaf	false
Template Type Bind Info	N/A
Ordered	false
Unique	true
Query	false

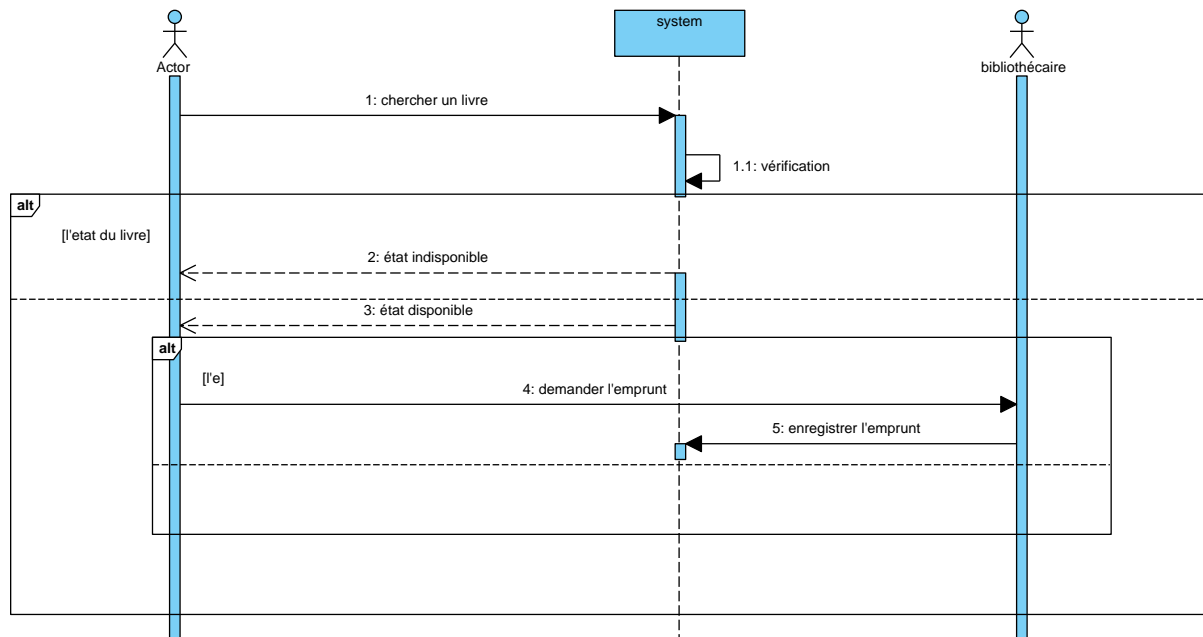
public enregistrarEmprunt () : void	
Author	sanaa
Create Date Time	19 avr. 2022 14:52:22
Last Modified	19 avr. 2022 14:56:31
Static	false
Leaf	false
Ordered	false
Unique	true
Query	false

Relationships

Unnamed Association		
To	Name	Value
	End Model Element	 livre
	Author	sanaa
	Create Date Time	19 avr. 2022 14:59:37
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	Unspecified
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	sanaa	
Create Date Time	19 avr. 2022 14:59:37	
Last Modified	19 avr. 2022 15:07:01	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	

Sequence Diagram

Diagramme de Sequence général



Name	Value
Name	Diagramme de Sequence général
Author	sanaa
Create Date Time	19 avr. 2022 15:17:44
Last Modified	19 avr. 2022 16:26:00

Summary


Name	Documentation
Actor	
system	
bibliothécaire	
l'état du livre	
Operand	
Operand2	
emprunter le livre	
Operand3	
Operand4	


Details


Actor


Name	Value	
Author	sanaa	
Create Date Time	19 avr. 2022 15:18:35	
Last Modified	19 avr. 2022 15:39:02	
Visibility	public	
Abstract	false	
Leaf	false	
Root	false	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Active	false	
Business Model	false	

Relationships

chercher un livre : Message		
To	Name	Value
	End Model Element	 system
	Author	sanaa
	Create Date Time	19 avr. 2022 15:20:37
Author	sanaa	
Create Date Time	19 avr. 2022 15:20:37	
Last Modified	19 avr. 2022 15:28:02	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Type	Message	
Sequence Number	1	
Asynchronous	false	

demander l'emprunt : Message		
To	Name	Value
	End Model Element	 bibliothécaire
	Author	sanaa
	Create Date Time	19 avr. 2022 15:29:37
Author	sanaa	
Create Date Time	19 avr. 2022 15:29:37	
Last Modified	19 avr. 2022 15:39:02	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Type	Message	
Sequence Number	4	
Asynchronous	false	

état indisponible : Message		
From	Name	Value
	End Model Element	 system
	Author	sanaa
	Create Date Time	19 avr. 2022 15:22:17
Author	sanaa	
Create Date Time	19 avr. 2022 15:22:17	
Last Modified	19 avr. 2022 15:28:02	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Type	Message	
Sequence Number	2	
Action Type	Name	Value
	Name	Return
	Author	sanaa
	Create Date Time	19 avr. 2022 15:23:25
	Iteration	false
	Asynchronous	false
Asynchronous	false	


état disponible : Message		
From	Name	Value
	End Model Element	 system
	Author	sanaa
	Create Date Time	19 avr. 2022 15:23:47
Author	sanaa	
Create Date Time	19 avr. 2022 15:23:47	
Last Modified	19 avr. 2022 15:28:02	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Type	Message	
Sequence Number	3	
Action Type	Name	Value
	Name	Return
	Author	sanaa
	Create Date Time	19 avr. 2022 15:24:09
	Iteration	false
	Asynchronous	false
Asynchronous	false	





system


Name	Value	
Author	sanaa	
Create Date Time	19 avr. 2022 15:20:11	
Last Modified	19 avr. 2022 15:39:02	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Multiplicity	Unspecified	
Active	false	
Stopped	false	
Multi Object	false	


Relationships

vérification : Message		
To	Name	Value
	End Model Element	 system
	Author	sanaa
	Create Date Time	19 avr. 2022 15:20:57
Author	sanaa	
Create Date Time	19 avr. 2022 15:20:57	
Last Modified	19 avr. 2022 15:28:02	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Type	Self Message	
Sequence Number	1.1	
Asynchronous	false	

état indisponible : Message		
To	Name	Value
	End Model Element	 Actor
	Author	sanaa
	Create Date Time	19 avr. 2022 15:22:17
Author	sanaa	
Create Date Time	19 avr. 2022 15:22:17	
Last Modified	19 avr. 2022 15:28:02	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Type	Message	
Sequence Number	2	
Action Type	Name	Value
	Name	Return
	Author	sanaa
	Create Date Time	19 avr. 2022 15:23:25
	Iteration	false
	Asynchronous	false
Asynchronous	false	

état disponible : Message		
To	Name	Value
	End Model Element	 Actor
	Author	sanaa
	Create Date Time	19 avr. 2022 15:23:47
Author	sanaa	
Create Date Time	19 avr. 2022 15:23:47	
Last Modified	19 avr. 2022 15:28:02	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Type	Message	
Sequence Number	3	
Action Type	Name	Value
	Name	Return
	Author	sanaa
	Create Date Time	19 avr. 2022 15:24:09
	Iteration	false
	Asynchronous	false
Asynchronous	false	


chercher un livre : Message		
From	Name	Value
	End Model Element	 Actor
	Author	sanaa
	Create Date Time	19 avr. 2022 15:20:37
Author	sanaa	
Create Date Time	19 avr. 2022 15:20:37	
Last Modified	19 avr. 2022 15:28:02	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Type	Message	
Sequence Number	1	
Asynchronous	false	


enregistrer l'emprunt : Message		
From	Name	Value
	End Model Element	 bibliothécaire
	Author	sanaa
	Create Date Time	19 avr. 2022 15:30:37
Author	sanaa	
Create Date Time	19 avr. 2022 15:30:37	
Last Modified	19 avr. 2022 15:39:02	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Type	Message	
Sequence Number	5	
Asynchronous	false	

bibliothécaire

Name	Value	
Author	sanaa	
Create Date Time	19 avr. 2022 15:20:20	
Last Modified	19 avr. 2022 15:39:02	
Visibility	public	
Abstract	false	
Leaf	false	
Root	false	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Active	false	
Business Model	false	

Relationships

enregistrer l'emprunt : Message		
To	Name	Value
	End Model Element	 system
	Author	sanaa
	Create Date Time	19 avr. 2022 15:30:37
Author	sanaa	
Create Date Time	19 avr. 2022 15:30:37	
Last Modified	19 avr. 2022 15:39:02	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Type	Message	
Sequence Number	5	
Asynchronous	false	

demander l'emprunt : Message		
From	Name	Value
	End Model Element	 Actor
	Author	sanaa
	Create Date Time	19 avr. 2022 15:29:37
Author	sanaa	
Create Date Time	19 avr. 2022 15:29:37	
Last Modified	19 avr. 2022 15:39:02	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Type	Message	
Sequence Number	4	
Asynchronous	false	




l'etat du livre

Name	Value	
Author	sanaa	
Create Date Time	19 avr. 2022 15:21:53	
Last Modified	19 avr. 2022 15:39:02	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Operator Kind	alt	

Interaction Operands

Value
Operand
Operand2

Covered LifeLines

Name	Documentation
 Actor	
 system	
 bibliothécaire	

Operand

Name	Value	
Author	sanaa	
Create Date Time	19 avr. 2022 15:21:53	
Last Modified	19 avr. 2022 16:31:40	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Guard	Name	Value
	Author	sanaa
	Create Date Time	19 avr. 2022 15:22:09
	Constraint	l'etat du livre

Operand2

Name	Value	
Author	sanaa	
Create Date Time	19 avr. 2022 15:21:53	
Last Modified	19 avr. 2022 16:31:40	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Guard	Name	Value
	Author	sanaa
	Create Date Time	19 avr. 2022 15:21:53




emprunter le livre

Name	Value	
Author	sanaa	
Create Date Time	19 avr. 2022 15:26:21	
Last Modified	19 avr. 2022 15:39:02	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Operator Kind	alt	

Interaction Operands

Value
Operand3
Operand4

Covered LifeLines

Name	Documentation
 Actor	
 system	
 bibliothécaire	

Operand3

Name	Value	
Author	sanaa	
Create Date Time	19 avr. 2022 15:26:21	
Last Modified	19 avr. 2022 15:39:02	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Guard	Name	Value
	Author	sanaa
	Create Date Time	19 avr. 2022 15:26:54
	Constraint	l'e

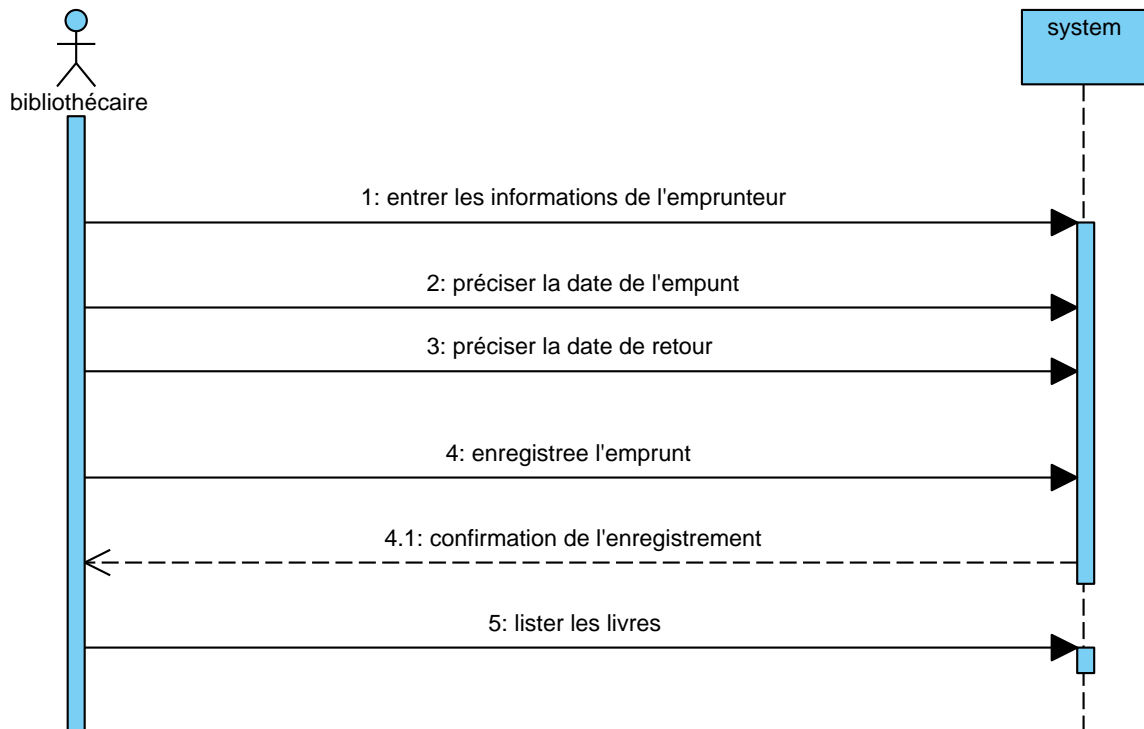


Operand4

Name	Value	
Author	sanaa	
Create Date Time	19 avr. 2022 15:26:21	
Last Modified	19 avr. 2022 15:39:02	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Guard	Name	Value
	Author	sanaa
	Create Date Time	19 avr. 2022 15:26:21



Sequence Diagram

Sequence Diagram bibliothécaire



Name	Value
Name	Sequence Diagram bibliothécaire
Author	sanaa
Create Date Time	19 avr. 2022 15:31:07
Last Modified	19 avr. 2022 16:21:01

Summary


Name	Documentation
 bibliothécaire	
 system	


Details


bibliothécaire


Name	Value	
Author	sanaa	
Create Date Time	19 avr. 2022 15:31:26	
Last Modified	19 avr. 2022 15:39:02	
Visibility	public	
Abstract	false	
Leaf	false	
Root	false	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Active	false	
Business Model	false	


Relationships


entrer les informations de l'emprunteur : Message		
To	Name	Value
	End Model Element	 system
	Author	sanaa
	Create Date Time	19 avr. 2022 15:32:38
Author	sanaa	
Create Date Time	19 avr. 2022 15:32:38	
Last Modified	19 avr. 2022 15:39:02	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Type	Message	
Sequence Number	1	
Asynchronous	false	

préciser la date de l'empunt : Message		
To	Name	Value
	End Model Element	 system
	Author	sanaa
	Create Date Time	19 avr. 2022 15:33:07
Author	sanaa	
Create Date Time	19 avr. 2022 15:33:07	
Last Modified	19 avr. 2022 15:39:02	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Type	Message	
Sequence Number	2	
Asynchronous	false	

préciser la date de retour : Message		
To	Name	Value
	End Model Element	 system
	Author	sanaa
	Create Date Time	19 avr. 2022 15:33:29
Author	sanaa	
Create Date Time	19 avr. 2022 15:33:29	
Last Modified	19 avr. 2022 15:39:02	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Type	Message	
Sequence Number	3	
Asynchronous	false	

enregistree l'emprunt : Message		
To	Name	Value
	End Model Element	 system
	Author	sanaa
	Create Date Time	19 avr. 2022 15:34:12
Author	sanaa	
Create Date Time	19 avr. 2022 15:34:12	
Last Modified	19 avr. 2022 15:39:02	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Return Message	→ confirmation de l'enregistrement	
Type	Message	
Sequence Number	4	
Asynchronous	false	

lister les livres : Message		
To	Name	Value
	End Model Element	 system
	Author	sanaa
	Create Date Time	19 avr. 2022 15:35:36
Author	sanaa	
Create Date Time	19 avr. 2022 15:35:36	
Last Modified	19 avr. 2022 15:48:21	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Type	Message	
Sequence Number	5	
Asynchronous	false	


confirmation de l'enregistrement : Message		
From	Name	Value
	End Model Element	 system
	Author	sanaa
	Create Date Time	19 avr. 2022 15:34:42
Author	sanaa	
Create Date Time	19 avr. 2022 15:34:42	
Last Modified	19 avr. 2022 15:48:21	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Type	Message	
Sequence Number	4.1	
Action Type	Name	Value
	Name	Return
	Author	sanaa
	Create Date Time	19 avr. 2022 15:35:29
	Iteration	false
	Asynchronous	false
Asynchronous	false	





system


Name	Value	
Author	sanaa	
Create Date Time	19 avr. 2022 15:32:25	
Last Modified	19 avr. 2022 15:39:02	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Multiplicity	Unspecified	
Active	false	
Stopped	false	
Multi Object	false	


Relationships


confirmation de l'enregistrement : Message		
To	Name	Value
	End Model Element	 bibliothécaire
	Author	sanaa
	Create Date Time	19 avr. 2022 15:34:42
Author	sanaa	
Create Date Time	19 avr. 2022 15:34:42	
Last Modified	19 avr. 2022 15:48:21	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Type	Message	
Sequence Number	4.1	
Action Type	Name	Value
	Name	Return
	Author	sanaa
	Create Date Time	19 avr. 2022 15:35:29
	Iteration	false
	Asynchronous	false
Asynchronous	false	

entrer les informations de l'emprunteur : Message		
From	Name	Value
	End Model Element	 bibliothécaire
	Author	sanaa
	Create Date Time	19 avr. 2022 15:32:38
Author	sanaa	
Create Date Time	19 avr. 2022 15:32:38	
Last Modified	19 avr. 2022 15:39:02	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Type	Message	
Sequence Number	1	
Asynchronous	false	

préciser la date de l'empunt : Message		
From	Name	Value
	End Model Element	 bibliothécaire
	Author	sanaa
	Create Date Time	19 avr. 2022 15:33:07
Author	sanaa	
Create Date Time	19 avr. 2022 15:33:07	
Last Modified	19 avr. 2022 15:39:02	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Type	Message	
Sequence Number	2	
Asynchronous	false	

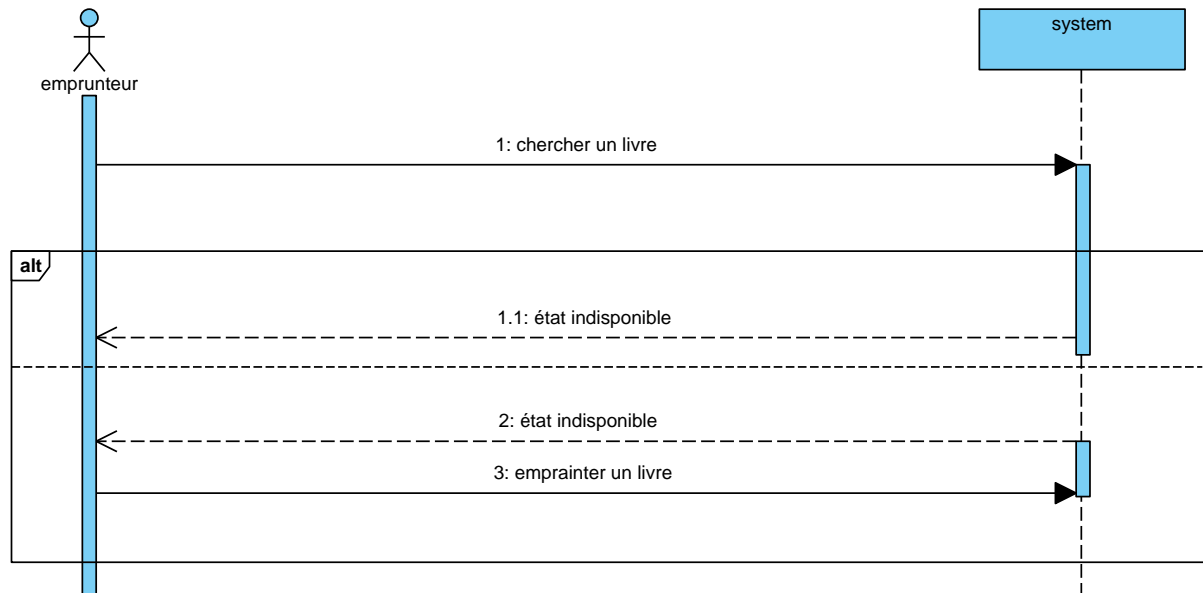
préciser la date de retour : Message		
From	Name	Value
	End Model Element	 bibliothécaire
	Author	sanaa
	Create Date Time	19 avr. 2022 15:33:29
Author	sanaa	
Create Date Time	19 avr. 2022 15:33:29	
Last Modified	19 avr. 2022 15:39:02	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Type	Message	
Sequence Number	3	
Asynchronous	false	

enregistree l'emprunt : Message		
From	Name	Value
	End Model Element	 bibliothécaire
	Author	sanaa
	Create Date Time	19 avr. 2022 15:34:12
Author	sanaa	
Create Date Time	19 avr. 2022 15:34:12	
Last Modified	19 avr. 2022 15:39:02	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Return Message	→ confirmation de l'enregistrement	
Type	Message	
Sequence Number	4	
Asynchronous	false	

lister les livres : Message		
From	Name	Value
	End Model Element	 bibliothécaire
	Author	sanaa
	Create Date Time	19 avr. 2022 15:35:36
Author	sanaa	
Create Date Time	19 avr. 2022 15:35:36	
Last Modified	19 avr. 2022 15:48:21	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Type	Message	
Sequence Number	5	
Asynchronous	false	






Sequence Diagram

Sequence Diagram emprunteur



Name	Value
Name	Sequence Diagram emprunteur
Author	sanaa
Create Date Time	19 avr. 2022 15:36:20
Last Modified	19 avr. 2022 16:21:10

Summary

Name	Documentation
 emprunteur	
 system	
 CombinedFragment	
 Operand5	
 Operand6	


Details





emprunteur


Name	Value	
Author	sanaa	
Create Date Time	19 avr. 2022 15:36:27	
Last Modified	19 avr. 2022 15:48:21	
Visibility	public	
Abstract	false	
Leaf	false	
Root	false	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Active	false	
Business Model	false	

Relationships

chercher un livre : Message		
To	Name	Value
	End Model Element	 system
	Author	sanaa
	Create Date Time	19 avr. 2022 15:38:37
Author	sanaa	
Create Date Time	19 avr. 2022 15:38:37	
Last Modified	19 avr. 2022 15:48:21	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Return Message	→ état indisponible	
Type	Message	
Sequence Number	1	
Asynchronous	false	

emprunter un livre : Message		
To	Name	Value
	End Model Element	 system
	Author	sanaa
	Create Date Time	19 avr. 2022 15:40:42
Author	sanaa	
Create Date Time	19 avr. 2022 15:40:42	
Last Modified	19 avr. 2022 15:48:21	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Type	Message	
Sequence Number	3	
Asynchronous	false	


état indisponible : Message		
From	Name	Value
	End Model Element	 system
	Author	sanaa
	Create Date Time	19 avr. 2022 15:40:13
Author	sanaa	
Create Date Time	19 avr. 2022 15:40:13	
Last Modified	19 avr. 2022 15:48:21	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Type	Message	
Sequence Number	2	
Action Type	Name	Value
	Name	Return
	Author	sanaa
	Create Date Time	19 avr. 2022 15:40:29
	Iteration	false
	Asynchronous	false
Asynchronous	false	


état indisponible : Message		
From	Name	Value
	End Model Element	 system
	Author	sanaa
	Create Date Time	19 avr. 2022 15:39:34
Author	sanaa	
Create Date Time	19 avr. 2022 15:39:34	
Last Modified	19 avr. 2022 15:48:21	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Type	Message	
Sequence Number	1.1	
Action Type	Name	Value
	Name	Return
	Author	sanaa
	Create Date Time	19 avr. 2022 15:40:00
	Iteration	false
	Asynchronous	false
Asynchronous	false	


system


Name	Value	
Author	sanaa	
Create Date Time	19 avr. 2022 15:37:27	
Last Modified	19 avr. 2022 15:48:21	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Multiplicity	Unspecified	
Active	false	
Stopped	false	
Multi Object	false	

Relationships

état indisponible : Message		
To	Name	Value
	End Model Element	 emprunteur
	Author	sanaa
	Create Date Time	19 avr. 2022 15:40:13
Author	sanaa	
Create Date Time	19 avr. 2022 15:40:13	
Last Modified	19 avr. 2022 15:48:21	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Type	Message	
Sequence Number	2	
Action Type	Name	Value
	Name	Return
	Author	sanaa
	Create Date Time	19 avr. 2022 15:40:29
	Iteration	false
	Asynchronous	false
Asynchronous	false	

état indisponible : Message		
To	Name	Value
	End Model Element	 emprunteur
	Author	sanaa
	Create Date Time	19 avr. 2022 15:39:34
Author	sanaa	
Create Date Time	19 avr. 2022 15:39:34	
Last Modified	19 avr. 2022 15:48:21	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Type	Message	
Sequence Number	1.1	
Action Type	Name	Value
	Name	Return
	Author	sanaa
	Create Date Time	19 avr. 2022 15:40:00
	Iteration	false
	Asynchronous	false
Asynchronous	false	

chercher un livre : Message		
From	Name	Value
	End Model Element	 emprunteur
	Author	sanaa
	Create Date Time	19 avr. 2022 15:38:37
Author	sanaa	
Create Date Time	19 avr. 2022 15:38:37	
Last Modified	19 avr. 2022 15:48:21	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Return Message	→ état indisponible	
Type	Message	
Sequence Number	1	
Asynchronous	false	

emprunter un livre : Message		
From	Name	Value
	End Model Element	 emprunteur
	Author	sanaa
	Create Date Time	19 avr. 2022 15:40:42
Author	sanaa	
Create Date Time	19 avr. 2022 15:40:42	
Last Modified	19 avr. 2022 15:48:21	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Type	Message	
Sequence Number	3	
Asynchronous	false	



CombinedFragment

Name	Value	
Author	sanaa	
Create Date Time	19 avr. 2022 15:39:07	
Last Modified	19 avr. 2022 15:48:21	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Operator Kind	alt	

Interaction Operands

Value
Operand5
Operand6

Covered LifeLines

Name	Documentation
 emprunteur	
 system	

Operand5

Name	Value	
Author	sanaa	
Create Date Time	19 avr. 2022 15:39:07	
Last Modified	19 avr. 2022 15:48:21	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Guard	Name	Value
	Author	sanaa
	Create Date Time	19 avr. 2022 15:39:07

Operand6

Name	Value	
Author	sanaa	
Create Date Time	19 avr. 2022 15:39:07	
Last Modified	19 avr. 2022 15:48:21	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Guard	Name	Value
	Author	sanaa
	Create Date Time	19 avr. 2022 15:39:07

Textual Analysis1

L'objectif de ce projet est de mettre en place une application de gestion d'une bibliothèque les intervenants dans cette applications sont:

- la **bibliothécaire** : une personne à qui sont confiées des tâches de gestion des collections documentaires et d'aide aux usagers dans une bibliothèque , mais aussi des fonctions d'administration générale.Elle a pour rôle de gérer les livres contenus da la bibliothèque et les personnes qui accèdent à la bibliothèque, dans notre cas elle est indentifié par idBib, nom et prenom .
- **emprunteur**:toute personne qui peut emprunter un livre de la bibliothèque et il est identifié par un idEmp,nom et prenom.

Cette application vas permettre la gestion semi-automatique de l'ensemble de l'opération du l'**emprant des livres** , ce qui facilitera le travail de la **bibliothécaire** d'une part, et d'autre part, qui réduira de manière systématique la durée de **recherche** documentaire par l'**emprunteur**, en plus

cette application permette de la **gestions des emprunts** que la **bibliothécaire** vas utilisé pour enregistrer l'ensemble des emprunts pour chaque **emprunteur**.

Candidate Classes

Name	Value	
Author	sanaa	
Create Date Time	19 avr. 2022 15:54:59	
Last Modified	19 avr. 2022 16:00:21	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Candidate Item Type	Actor	
Candidate Item Text	emprunteur	
Highlight Color	#ffff00	
Ignore	false	

Name	Value	
Author	sanaa	
Create Date Time	19 avr. 2022 15:55:09	
Last Modified	19 avr. 2022 16:00:21	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Candidate Item Type	Class	
Candidate Item Text	emprant	
Highlight Color	#ffff00	
Ignore	false	

Name	Value	
Author	sanaa	
Create Date Time	19 avr. 2022 15:55:23	
Last Modified	19 avr. 2022 16:00:21	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Candidate Item Type	Actor	
Candidate Item Text	bibliothécaire	
Highlight Color	#ffff00	
Ignore	false	

Name	Value	
Author	sanaa	
Create Date Time	19 avr. 2022 15:55:34	
Last Modified	19 avr. 2022 16:00:21	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Candidate Item Type	Use Case	
Candidate Item Text	emprant des livres	
Highlight Color	#ffff00	
Ignore	false	

Name	Value	
Author	sanaa	
Create Date Time	19 avr. 2022 15:55:58	
Last Modified	19 avr. 2022 16:00:21	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Candidate Item Type	Use Case	
Candidate Item Text	recherche	
Highlight Color	#ffff00	
Ignore	false	

Name	Value	
Author	sanaa	
Create Date Time	19 avr. 2022 15:57:00	
Last Modified	19 avr. 2022 16:00:21	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Candidate Item Type	Use Case	
Candidate Item Text	gestions des emprunts	
Highlight Color	#ffff00	
Ignore	false	