# **Cinema System**

CS4507: Advanced Software Eng. UCC Kevin Patrick Murphy: 111314826

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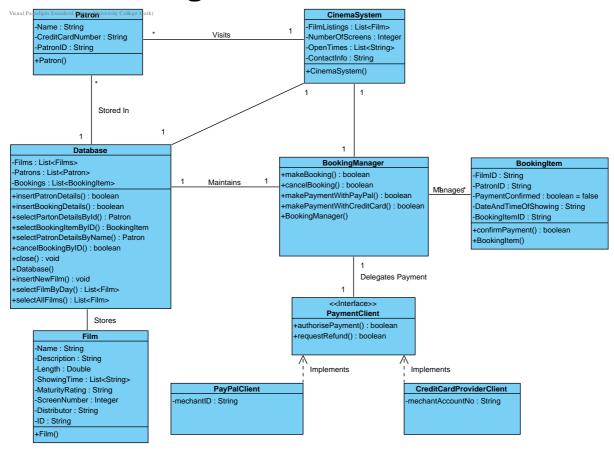
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#### **Class Diagram**

# **Domain Diagram**



Name	Value
Name	Domain Diagram
Author	kpm2
Create Date Time	08-Oct-2014 16:39:33
Last Modified	31-Oct-2014 13:38:41

#### **Summary**

Name	Documentation
Patron	
CinemaSystem	
Database	
BookingManager	
BookingItem	
PaymentClient	
Film	
PayPalClient	
CreditCardProvide	rClient

### **Details**

# **Patron**

Name	Value	
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
Project Management	Name	Value
	Author	kpm2
	Create Date Time	08-Oct-2014 16:42:02
	Last Modified	31-Oct-2014 10:36:08

#### **Attributes**

private Name : String				
Туре	String			
Allow Empty Name	false			
Getter	false	Setter		false
Derived	false			
Multiplicity	Unspecified			
Aggregation	None			
Derived Union	false			
Read Only	false			
Is ID	false			
Leaf	false			
Project Management	Name		Value	
	Author		kpm2	
	Create Date Time		08-Oct-2014	16:42:12
	Last Modified		29-Oct-2014	16:50:45

private CreditCardNumber : String				
Туре	String			
Allow Empty Name	false			
Getter	false	Setter	false	
Derived	false			
Multiplicity	Unspecified		·	

Aggregation	None	
Derived Union	false	
Read Only	false	
Is ID	false	
Leaf	false	
Project Management	Name	Value
	Author	kpm2
	Create Date Time	08-Oct-2014 16:42:14
	Last Modified	29-Oct-2014 16:50:45

private PatronID : String				
Туре	String			
Allow Empty Name	false			
Getter	false	Setter		false
Derived	false			
Multiplicity	Unspecified			
Aggregation	None			
Derived Union	false			
Read Only	false			
Is ID	false			
Leaf	false			
Project Management	Name		Value	
	Author		kpm2	
	Create Date Time		29-Oct-2014	16:11:37
	Last Modified		29-Oct-2014	16:50:45

public Patron ()					
Leaf	false				
Ordered	false				
Unique	true	true			
Query	false	false			
Project Management	Name	Value			
	Author	kpm2			
	Create Date Time	Create Date Time 29-Oct-2014 16:51:13			
	Last Modified	29-Oct-2014 16:56:29			

### Relationships

Stored In : Association

From	Name	Value		
	End Model Element	Date	abase	
	Provide Property Getter Method	false	lse	
	Provide Property Setter Method	false		
	Multiplicity	1		
	Visibility	Unspe	cified	
	Aggregation Kind	None		
	Navigable	Naviga	ble	
	Derived	false		
	Derived Union	false		
	Read Only	false		
	Static	false false  Database  Name  Value		
	Leaf			
	Туре			
	Project Management			Value
		Author		kpm2
		Create	Date Time	29-Oct-2014 14:40:04
Abstract	false			
Leaf	false			
Visibility	Unspecified			
Quality Score	Fair			
Quality Reason	Problem		Suggestion	
	Name does not contain glossa	ry terms	Define name a	s term in glossary
Derived	false			
Project Management	Name		Value	
	Author		kpm2	
	Create Date Time		29-Oct-2014 14:40:04	
	Last Modified	31-Oct-2014 10:36:08		
Visits : Association				

From	Name	Value			
	End Model Element	E Cin	emaSystem		
	Provide Property Getter Method	false	false		
	Provide Property Setter Method	false	false		
	Multiplicity	1	1		
	Visibility	Unspec	Unspecified		
	Aggregation Kind	None			
	Navigable	Naviga	ble		
	Derived	false			
	Derived Union	false			
	Read Only	false			
	Static	false			
	Leaf	false	false		
	Туре	Cin	CinemaSystem		
	Project Management	Name	Name Value		
		Author kpm2		kpm2	
		Create	Date Time	08-Oct-2014 16:46:22	
Abstract	false				
Leaf	false				
Visibility	Unspecified				
Quality Score	Fair				
Quality Reason	Problem		Suggestion		
	Name does not contain glos	contain glossary terms Define name as term in gl		as term in glossary	
Derived	false				
Project Management	Name		Value		
	Author	Author		kpm2	
	Create Date Time	Create Date Time		08-Oct-2014 16:46:22	
	Last Modified		31-Oct-2014 10:36:08		

# **CinemaSystem**

Name	Value
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
Project Management	Name	Value
	Author	kpm2
	Create Date Time	08-Oct-2014 16:39:51
	Last Modified	31-Oct-2014 13:35:38

#### **Attributes**

private FilmListings : List				
Template Type Bind Info	N/A			
Туре	List			
Allow Empty Name	false			
Getter	false	Setter		false
Derived	false			
Multiplicity	Unspecified			
Aggregation	None			
Derived Union	false			
Read Only	false			
Is ID	false			
Leaf	false			
Project Management	Name		Value	
	Author		kpm2	
	Create Date Time		08-Oct-2014	16:40:04
	Last Modified		31-Oct-2014	10:36:08

private NumberOfScreens : Integer					
Туре	Integer				
Allow Empty Name	false				
Getter	false	Setter		false	
Derived	false				
Multiplicity	Unspecified				
Aggregation	None	None			
Derived Union	false				
Read Only	false				
Is ID	false	false			
Leaf	false				
Project Management	Name		Value		
	Author		kpm2		
	Create Date Time		15-Oct-2014	14:09:22	
	Last Modified		29-Oct-2014	16:50:45	

Template Type Bind Info	N/A			
Туре	List			
Allow Empty Name	false			
Getter	false	Setter		false
Derived	false	_		
Multiplicity	Unspecified	_		
Aggregation	None			
Derived Union	false			
Read Only	false			
Is ID	false			
Leaf	false			
Project Management	Name Value			
	Author		kpm2	
	Create Date Time		15-Oct-2014	14:09:28
	Last Modified		29-Oct-2014	16:50:45

private ContactInfo : String				
Туре	String			
Allow Empty Name	false			
Getter	false	Setter		false
Derived	false			
Multiplicity	Unspecified			
Aggregation	None			
Derived Union	false			
Read Only	false			
Is ID	false			
Leaf	false			
Project Management	Name		Value	
	Author		kpm2	
	Create Date Time		15-Oct-2014	14:10:01
	Last Modified		29-Oct-2014	16:50:45

public CinemaSystem ()					
Leaf	false	false			
Ordered	false	false			
Unique	true	true			
Query	false	false			
Project Management	Name	Name Value			
	Author	kpm2			
	Create Date Time	Create Date Time 29-Oct-2014 16:51:10			
	Last Modified	31-Oct-2014 13:35:38			

### Relationships

Unnamed Association					
То	Name	Value			
	End Model Element	■ Bo	okingManager		
	Provide Property Getter Method	false	false		
	Provide Property Setter Method	false	false		
	Multiplicity	1			
	Visibility	Unspe	cified		
	Aggregation Kind	None			
	Navigable	Naviga	ble		
	Derived	false			
	Derived Union	false			
	Read Only false				
	Static	false false BookingManager			
	Leaf				
	Туре				
	Project Management	Name		Value	
		Author	•	kpm2	
		Create		15-Oct-2014 14:11:39	
Abstract	false				
Leaf	false				
Visibility	Unspecified				
Quality Score	Good				
Derived	false	false			
Project Management	Name		Value		
	Author	Author			
	Create Date Time	Create Date Time		15-Oct-2014 14:11:39	
	Last Modified 29-O		29-Oct-2014 14:49:36		
Visits : Association					

То	Name	Value		
	End Model Element	Pat	ron	
	Provide Property Getter Method	false		
	Provide Property Setter Method	false		
	Multiplicity	*		
	Visibility	Unspe	cified	
	Aggregation Kind	None		
	Navigable	Naviga	ble	
	Derived	false		
	Derived Union	false		
	Read Only	false		
	Static	false false Patron		
	Leaf			
	Туре			
	Project Management	Name		Value
		Author		kpm2
		Create	Date Time	08-Oct-2014 16:46:22
Abstract	false			
Leaf	false			
Visibility	Unspecified			
Quality Score	Fair			
Quality Reason	Problem		Suggestion	
	Name does not contain glossa	ry terms	Define name as term in glossary	
Derived	false			
Project Management	Name		Value	
	Author		kpm2	
	Create Date Time		08-Oct-2014 16:46:22	
	Last Modified		31-Oct-2014 10	0:36:08

#### **Unnamed Association**

From	Name	Value			
	End Model Element	■ Dat	tabase		
	Provide Property Getter Method	false			
	Provide Property Setter Method	false			
	Multiplicity	1			
	Visibility	Unspe	cified		
	Aggregation Kind	None			
	Navigable	Naviga	ble		
	Derived	false			
	Derived Union	false	alse		
	Read Only false				
	Static	false			
	Leaf	false			
	Туре	Database			
	Project Management	Name		Value	
		Author		kpm2	
		Create	Date Time	29-Oct-2014 14:40:37	
Abstract	false				
Leaf	false				
Visibility	Unspecified				
Quality Score	Good				
Derived	false				
Project Management	ect Management Name		Value		
	Author		kpm2		
	Create Date Time		29-Oct-2014 14:40:37		
	Last Modified	Last Modified		29-Oct-2014 14:49:36	

# **Database**

Name	Value			
Active	false	false		
Business Key Mutable	true			
Business Model	false			
Visibility	public	public		
Leaf	false	false		
Root	false	false		
Quality Score	Fair	Fair		
Quality Reason	Problem	Suggestion		
	Name does not contain glossary terms	Define name as term in glossary		

Project Management	Name	Value
	Author	kpm2
	Create Date Time	29-Oct-2014 14:29:40
	Last Modified	31-Oct-2014 12:57:08

#### **Attributes**

private Films : List				
Template Type Bind Info	N/A			
Туре	List			
Allow Empty Name	false			
Getter	false	Setter		false
Derived	false			
Multiplicity	Unspecified			
Aggregation	None			
Derived Union	false			
Read Only	false			
Is ID	false			
Leaf	false			
Project Management	Name		Value	
	Author		kpm2	
	Create Date Time		29-Oct-2014	1 16:55:09
	Last Modified		29-Oct-2014	1 16:56:29

private Patrons : List				
Template Type Bind Info	N/A			
Туре	List			
Allow Empty Name	false			
Getter	false	Setter		false
Derived	false			
Multiplicity	Unspecified			
Aggregation	None			
Derived Union	false			
Read Only	false			
Is ID	false			
Leaf	false			
Project Management	Name		Value	
	Author		kpm2	
	Create Date Time		29-Oct-2014	16:55:15
	Last Modified		29-Oct-2014	16:56:29

private Bookings : List	
Template Type Bind Info	N/A

Туре	List			
Allow Empty Name	false			
Getter	false	Setter		false
Derived	false			
Multiplicity	Unspecified			
Aggregation	None			
Derived Union	false			
Read Only	false			
Is ID	false			
Leaf	false			
Project Management	Name		Value	
	Author		kpm2	
	Create Date Time		29-Oct-2014	4 16:55:17
	Last Modified		29-Oct-2014	4 16:56:29

public insertPatronDetails () : boolean			
Leaf	false		
Ordered	false		
Unique	true		
Query	false		
Project Management	Name	Value	
	Author	kpm2	
	Create Date Time	29-Oct-2014 14:30:02	
	Last Modified	29-Oct-2014 16:50:45	

public insertBookingDetails () : boolean				
Leaf	false	false		
Ordered	false	false		
Unique	true	true		
Query	false	false		
Project Management	Name	Name Value		
	Author	kpm2		
	Create Date Time	29-Oct-2014 14:37:13		
	Last Modified	29-Oct-2014 16:50:45		

public selectPartonDetailsById () : Patron	
Leaf	false
Ordered	false
Unique	true
Query	false

Project Management	Name	Value
	Author	kpm2
	Create Date Time	29-Oct-2014 14:38:19
	Last Modified	29-Oct-2014 16:50:45

public selectBookingItemByID () : BookingItem			
Leaf	false		
Ordered	false		
Unique	true		
Query	false		
Project Management	Name	Value	
	Author	kpm2	
	Create Date Time	29-Oct-2014 14:38:38	
	Last Modified	29-Oct-2014 16:50:45	

public selectPatronDetailsByName () : Patron				
Leaf	false			
Ordered	false			
Unique	true	true		
Query	false	false		
Project Management	Name	Value		
	Author	kpm2		
	Create Date Time	29-Oct-2014 14:38:53		
	Last Modified	29-Oct-2014 16:50:45		

public cancelBookingByID () : boolean			
Leaf	false		
Ordered	false		
Unique	true		
Query	false		
Project Management	Name Value		
	Author	kpm2	
	Create Date Time	29-Oct-2014 14:44:31	
	Last Modified	31-Oct-2014 12:57:08	

public close () : void	
Leaf	false
Ordered	false
Unique	true
Query	false

Project Management	Name	Value
	Author	kpm2
	Create Date Time	29-Oct-2014 16:31:23
	Last Modified	31-Oct-2014 10:46:17

public Database ()				
Leaf	false	false		
Ordered	false			
Unique	true	true		
Query	false	false		
Project Management	Name	Name Value		
	Author	Author kpm2		
	Create Date Time	29-Oct-2014 16:50:34		
	Last Modified	29-Oct-2014 16:50:45		

public insertNewFilm () : void			
Leaf	false		
Ordered	false		
Unique	true		
Query	false		
Project Management	Name Value		
	Author kpm2		
	Create Date Time	31-Oct-2014 10:34:10	
	Last Modified	31-Oct-2014 10:36:08	

public selectFilmByDay () : List					
Leaf	false				
Template Type Bind Info	N/A	N/A			
Ordered	false	false			
Unique	true	true			
Query	false	false			
Project Management	Name	Name Value			
	Author	kpm2			
	Create Date Time	31-Oct-2014 10:34:30			
	Last Modified	31-Oct-2014 10:36:08			

public selectAllFilms () : List	
Leaf	false
Template Type Bind Info	N/A
Ordered	false
Unique	true
Query	false

Project Management	Name	Value
	Author	kpm2
	Create Date Time	31-Oct-2014 10:34:56
	Last Modified	31-Oct-2014 10:36:08

### Relationships

Stored In : Association					
То	Name	Value			
	End Model Element	<b>a</b> Patron false			
	Provide Property Getter Method				
	Provide Property Setter Method	false	false		
	Multiplicity	*			
	Visibility	Unspe	cified		
	Aggregation Kind	None			
	Navigable	Naviga	ble		
	Derived	false			
	Derived Union	false			
	Read Only	false	false false false Patron		
	Static	false			
	Leaf				
	Туре	Pat			
	Project Management	Name		Value	
		Author		kpm2	
		Create	Date Time	29-Oct-2014 14:40:04	
Abstract	false				
Leaf	false				
Visibility	Unspecified				
Quality Score	Fair				
Quality Reason	Problem		Suggestion		
	Name does not contain glos	ssary terms	ms Define name as term in glossary		
Derived	false	false			
Project Management	Name Value				
Author			kpm2		
	Create Date Time	Create Date Time		29-Oct-2014 14:40:04	
	Last Modified		31-Oct-2014 10:36:08		
Maintains : Association					

То	Name Value			
	End Model Element	Boo	okingManager	
	Provide Property Getter Method	false		
	Provide Property Setter Method			
	Multiplicity	1		
	Visibility	Unspe	cified	
	Aggregation Kind	None		
	Navigable	Naviga	ble	
	Derived	false		
	Derived Union	false		
	Read Only	false		
	Static	false false BookingManager		
	Leaf			
	Туре			
	Project Management	Name		Value
		Author		kpm2
		Create	Date Time	29-Oct-2014 14:40:10
Abstract	false			
Leaf	false			
Visibility	Unspecified			
Quality Score	Fair			
Quality Reason	Problem		Suggestion	
	Name does not contain glossa	ry terms	Define name as term in glossary	
Derived	false			
Project Management	Name		Value	
	Author		kpm2	
	Create Date Time		29-Oct-2014 14:40:10	
	Last Modified		31-Oct-2014 10:36:08	

#### **Unnamed Association**

То	Name	Value		
	End Model Element	Cin	emaSystem	
	Provide Property Getter Method	false		
	Provide Property Setter Method			
	Multiplicity	1		
	Visibility	Unspe	cified	
	Aggregation Kind	None		
	Navigable	Naviga	ble	
	Derived	false		
	Derived Union	false		
	Read Only	false false false  false  CinemaSystem  Name Value  Author kpm2		
	Static			
	Leaf			
	Туре			
	Project Management			Value
				kpm2
		Create	Date Time	29-Oct-2014 14:40:37
Abstract	false			
Leaf	false			
Visibility	Unspecified			
Quality Score	Good			
Derived	false			
Project Management	Name	Value		
	Author		kpm2	
	Create Date Time	29-Oct-2014 14:40:37		4:40:37
	Last Modified 29-Oct-2014 14:49:36		4:49:36	

Stores : Association

То	Name	Name Value			
	End Model Element	Filn	n		
	Provide Property Getter Method	false	lse		
	Provide Property Setter Method	false			
	Multiplicity	Unspe	Unspecified		
	Visibility	Unspe	cified		
	Aggregation Kind	None			
	Navigable	Naviga	ble		
	Derived	false			
	Derived Union	false			
	Read Only	false false			
	Static				
	Leaf	false			
	Туре	Film			
	Project Management	Name	Name Value		
		Author		kpm2	
	Create		Date Time	31-Oct-2014 10:33:36	
Abstract	false				
Leaf	false				
Visibility	Unspecified				
Quality Score	Fair				
Quality Reason	Problem		Suggestion		
	Name does not contain glos	ssary terms	Define name	as term in glossary	
Derived	false	false			
Project Management	Name		Value		
	Author	Author		kpm2	
	Create Date Time	Create Date Time		31-Oct-2014 10:33:36	
	Last Modified		31-Oct-2014 1	10:46:17	

# **BookingManager**

Name	Value
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
Project Management	Name	Value
	Author	kpm2
	Create Date Time	08-Oct-2014 16:49:38
	Last Modified	31-Oct-2014 12:57:08

public makeBooking () : boolean				
Leaf	false			
Ordered	false			
Unique	true	true		
Query	false			
Project Management	Name Value			
	Author kpm2			
	Create Date Time	15-Oct-2014 14:12:27		
	Last Modified	29-Oct-2014 16:56:29		

public cancelBooking () : boolean				
Leaf	false			
Ordered	false			
Unique	true	true		
Query	false			
Project Management	Name Value			
	Author kpm2			
	Create Date Time	15-Oct-2014 14:13:01		
	Last Modified	29-Oct-2014 16:56:29		

public makePaymentWithPayPal () : boolean				
Leaf	false			
Ordered	false			
Unique	true	true		
Query	false			
Project Management	Name Value			
	Author	kpm2		
	Create Date Time	29-Oct-2014 14:41:59		
	Last Modified	29-Oct-2014 16:56:29		

public makePaymentWithCreditCard () : boolean		
Leaf	false	
Ordered	false	
Unique	true	

Query	false		
Project Management	Name Value		
	Author	kpm2	
	Create Date Time	29-Oct-2014 14:42:19	
	Last Modified	29-Oct-2014 16:56:29	

public BookingManager ()				
Leaf	false			
Ordered	false			
Unique	true	true		
Query	false			
Project Management	Name Value			
	Author kpm2			
	Create Date Time	29-Oct-2014 16:50:24		
	Last Modified	29-Oct-2014 16:50:45		

#### Relationships

Manages : Association					
То	Name	Value			
	End Model Element	BookingItem	BookingItem		
	Provide Property Getter Method	false	false		
	Provide Property Setter Method	false			
	Multiplicity	*			
	Visibility	Unspecified			
	Aggregation Kind	None			
	Navigable	Navigable	Navigable		
	Derived	false			
	Derived Union	false			
	Read Only	false			
	Static	false	false		
	Leaf	false			
	Туре	BookingItem			
	Project Management	Name	Value		
		Author	kpm2		
		Create Date Time	29-Oct-2014 15:42:47		
Abstract	false				
Leaf	false				
Visibility	Unspecified	Unspecified			
Quality Score	Fair				

Quality Reason	Problem	Problem  Name does not contain glossary terms		Suggestion	
	Name does not contain glos				
Derived	false				
Project Management	Name		Value		
	Author		kpm2		
	Create Date Time		29-Oct-2014 15:42:47		
	Last Modified		31-Oct-2014 1	31-Oct-2014 10:36:08	
Delegates Payment : Asso	ciation				
То	Name	Value			
	End Model Element	Pay	mentClient		
	Provide Property Getter Method	false			
	Provide Property Setter Method	false			
	Multiplicity	1			
	Visibility	Unspe	cified		
	Aggregation Kind	None Navigable false false false false			
	Navigable				
	Derived				
	Derived Union				
	Read Only				
	Static				
	Leaf	false			
	Туре	Pay	mentClient		
	Project Management	Name		Value	
		Author		kpm2	
		Create	Date Time	31-Oct-2014 10:26:12	
Abstract	false				
Leaf	false				
Visibility	Unspecified				
Quality Score	Fair	Fair			
Quality Reason	Problem Suggestion				
	Name does not contain glos	ssary terms	Define name a	as term in glossary	
Derived	false				
Project Management	Name	Name Value			
	Author	Author		kpm2	
	Create Date Time	Create Date Time		31-Oct-2014 10:26:12	
	Last Modified	Last Modified		31-Oct-2014 13:07:23	

From	Name	Value	Value		
	End Model Element	Cin	emaSystem		
	Provide Property Getter Method	false			
	Provide Property Setter Method	false			
	Multiplicity	1	ı		
	Visibility	Unspecified			
	Aggregation Kind	None			
	Navigable	Naviga	ble		
	Derived	false			
	Derived Union	false			
	Read Only	false false false			
	Static				
	Leaf				
	Type		emaSystem	naSystem	
	Project Management	Name Value		Value	
		Author		kpm2	
	Crea		Date Time	15-Oct-2014 14:11:39	
Abstract	false				
Leaf	false				
Visibility	Unspecified				
Quality Score	Good				
Derived	false				
Project Management	Name Value				
	Author		kpm2		
Create Date Time		15-Oct-2014 14:11:39		4:11:39	
	Last Modified 29-Oct-2014 14:49:36		4:49:36		
Maintains : Association					

From	Name	Value	ue		
	End Model Element	Dat	abase		
	Provide Property Getter Method	false	alse		
	Provide Property Setter Method	false	false		
	Multiplicity	1	1		
	Visibility	Unspec	Unspecified		
	Aggregation Kind	None			
	Navigable	Naviga	ble		
	Derived	false			
	Derived Union	false			
	Read Only	false	<b>;</b>		
	Static false				
	Leaf	false			
	Туре	Dat	Database		
	Project Management	Name	Name Value		
		Author		kpm2	
		Create		29-Oct-2014 14:40:10	
Abstract	false				
Leaf	false				
Visibility	Unspecified				
Quality Score	Fair				
Quality Reason	Problem		Suggestion		
	Name does not contain glos	ssary terms	ms Define name as term in glossary		
Derived	false	false			
Project Management	Name	Name		Value	
	Author	Author		kpm2	
	Create Date Time	Create Date Time		29-Oct-2014 14:40:10	
	Last Modified		31-Oct-2014 1	0:36:08	

# **BookingItem**

Name	Value
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
Project Management	Name	Value
	Author	kpm2
	Create Date Time	29-Oct-2014 15:41:24
	Last Modified	29-Oct-2014 16:56:29

#### **Attributes**

private FilmID : String				
Туре	String			
Allow Empty Name	false			
Getter	false	Setter		false
Derived	false			
Multiplicity	Unspecified			
Aggregation	None			
Derived Union	false			
Read Only	false			
Is ID	false			
Leaf	false			
Project Management	Name		Value	
	Author		kpm2	
	Create Date Time		29-Oct-2014	1 15:41:38
	Last Modified		29-Oct-2014	1 16:56:29

private PatronID : String				
Туре	String			
Allow Empty Name	false			
Getter	false	Setter		false
Derived	false			
Multiplicity	Unspecified			
Aggregation	None			
Derived Union	false			
Read Only	false			
Is ID	false			
Leaf	false			
Project Management	Name		Value	
	Author		kpm2	
	Create Date Time		29-Oct-2014	15:41:49
	Last Modified		29-Oct-2014	16:56:29

private PaymentConfirmed : boolean			
Initial Value	false		

Туре	boolean			
Allow Empty Name	false			
Getter	false	Setter		false
Derived	false			
Multiplicity	Unspecified			
Aggregation	None	None		
Derived Union	false			
Read Only	false			
Is ID	false			
Leaf	false			
Project Management	Name		Value	
	Author		kpm2	
	Create Date Time		29-Oct-2014	1 16:16:21
	Last Modified		29-Oct-2014	1 16:56:29

private DateAndTimeOfSho	owing : String			
Туре	String			
Allow Empty Name	false			_
Getter	false	Setter		false
Derived	false			
Multiplicity	Unspecified			
Aggregation	None			
Derived Union	false			
Read Only	false			
Is ID	false	_		
Leaf	false			
Project Management	Name		Value	
	Author		kpm2	
	Create Date Time		29-Oct-2014	1 16:22:25
	Last Modified		29-Oct-2014	1 16:56:29

private BookingItemID : \$	String			
Туре	String			
Allow Empty Name	false			
Getter	false	Setter	false	
Derived	false			
Multiplicity	Unspecified			
Aggregation	None			
Derived Union	false			
Read Only	false			
Is ID	false			
Leaf	false			

Project Management	Name	Value
	Author	kpm2
	Create Date Time	29-Oct-2014 16:50:00
	Last Modified	29-Oct-2014 16:56:29

public confirmPayment () : boolean					
Leaf	false				
Ordered	false	false			
Unique	true	true			
Query	false	false			
Project Management	Name	Name Value			
	Author	Author kpm2			
	Create Date Time	Create Date Time 29-Oct-2014 16:19:02			
	Last Modified	29-Oct-2014 16:56:29			

public BookingItem ()				
Leaf	false	false		
Ordered	false	false		
Unique	true			
Query	false	false		
Project Management	Name Value			
	Author kpm2			
	Create Date Time 29-Oct-2014 16:51:01			
	Last Modified	29-Oct-2014 16:56:29		

### Relationships

Manages : Association

From	Name	Value			
	End Model Element	<b>■</b> Boo	kingManager		
	Provide Property Getter Method	false	false		
	Provide Property Setter Method	false	false		
	Multiplicity	1	1		
	Visibility	Unspec	cified		
	Aggregation Kind	None			
	Navigable	Naviga	ble		
	Derived	false			
	Derived Union	false			
	Read Only	false	alse		
	Static	false			
	Leaf	false			
	Туре	Boo	BookingManager		
	Project Management	Name		Value	
		Author		kpm2	
		Create		29-Oct-2014 15:42:47	
Abstract	false				
Leaf	false				
Visibility	Unspecified				
Quality Score	Fair				
Quality Reason	Problem		Suggestion		
	Name does not contain glos	Name does not contain glossary terms		erms Define name as term in glossary	
Derived	false	false			
Project Management	Name		Value		
	Author	Author		kpm2	
	Create Date Time	Create Date Time		29-Oct-2014 15:42:47	
	Last Modified		31-Oct-2014 1	0:36:08	

# **PaymentClient**

Name	Value
Active	false
Business Key Mutable	true
Business Model	false
Visibility	public
Leaf	false
Root	false
Stereotypes	Interface
Quality Score	Fair

Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Project Management	Name	Value
	Author	kpm2
	Create Date Time	31-Oct-2014 12:58:27
	Last Modified	31-Oct-2014 13:07:23

public authorisePayment () : boolean				
Leaf	false	false		
Ordered	false			
Unique	true			
Query	false			
Project Management	Name Value			
	Author	kpm2		
	Create Date Time	31-Oct-2014 12:58:55		
	Last Modified	31-Oct-2014 13:07:23		

public requestRefund () : boolean				
Leaf	false	false		
Ordered	false			
Unique	true			
Query	false			
Project Management	Name Value			
	Author kpm2			
	Create Date Time	31-Oct-2014 12:59:13		
	Last Modified	31-Oct-2014 13:07:23		

## Relationships

Delegates Payment : Association

From	Name	Value		
	End Model Element	Boo	okingManager	
	Provide Property Getter Method	false		
	Provide Property Setter Method			
	Multiplicity	1		
	Visibility	Unspe	cified	
	Aggregation Kind	None		
	Navigable	Naviga	ıble	
	Derived	false		
	Derived Union	false		
	Read Only	false		
	Static	false		
	Leaf	false		
	Туре	Boo	okingManager	
	Project Management	Name		Value
		Author	•	kpm2
		Create	Date Time	31-Oct-2014 10:26:12
Abstract	false			
Leaf	false			
Visibility	Unspecified			
Quality Score	Fair			
Quality Reason	Problem		Suggestion	
	Name does not contain glossa	ary terms	Define name a	s term in glossary
Derived	false			
Project Management	Name		Value	
	Author		kpm2	
	Create Date Time		31-Oct-2014 10:26:12	
	Last Modified		31-Oct-2014 1	3:07:23
Implements : Dependency				
From	PayPalClient			
Visibility	Unspecified			
Quality Score	Good			
Project Management	Name		Value	
	Author		kpm2	
	Create Date Time		31-Oct-2014 13:01:50	
	Last Modified		31-Oct-2014 1	3:33:16

Implements : Dependency	
From	☐ CreditCardProviderClient
Visibility	Unspecified

Quality Score	Good		
Project Management	Name Value		
	Author kpm2		
	Create Date Time	31-Oct-2014 13:02:06	
	Last Modified	31-Oct-2014 13:33:16	

# **Film**

Name	Value			
Active	false	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		
Project Management	Name	Value		
	Author	kpm2		
	Create Date Time	08-Oct-2014 16:40:31		
	Last Modified	31-Oct-2014 13:35:14		

#### **Attributes**

private Name : String				
Туре	String			
Allow Empty Name	false			
Getter	false	Setter		false
Derived	false			
Multiplicity	Unspecified			
Aggregation	None			
Derived Union	false			
Read Only	false			
Is ID	false			
Leaf	false			
Project Management	Name		Value	
	Author		kpm2	
	Create Date Time		08-Oct-2014	16:40:39
	Last Modified		29-Oct-2014	16:50:45

private Description : String		
Туре	String	

Allow Empty Name	false			
Getter	false	Setter	false	
Derived	false			
Multiplicity	Unspecified			
Aggregation	None			
Derived Union	false			
Read Only	false			
Is ID	false			
Leaf	false			
Project Management	Name		Value	
	Author		kpm2	
	Create Date Time		08-Oct-2014 16:40:56	
	Last Modified		29-Oct-2014 16:50:45	

private Length : Double				
Туре	Double			
Allow Empty Name	false			
Getter	false	Setter		false
Derived	false			
Multiplicity	Unspecified			
Aggregation	None			
Derived Union	false			
Read Only	false			
Is ID	false			
Leaf	false			
Project Management	Name		Value	
	Author		kpm2	
	Create Date Time		08-Oct-2014	1 16:41:06
	Last Modified		29-Oct-2014	1 16:50:45

private ShowingTime : List			
Template Type Bind Info	N/A		
Туре	List	_	
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		
Derived Union	false		
Read Only	false	_	
Is ID	false		_
Leaf	false		_

Project Management	Name	Value
	Author	kpm2
	Create Date Time	08-Oct-2014 16:41:15
	Last Modified	31-Oct-2014 13:35:14

private MaturityRating : String				
Туре	String			
Allow Empty Name	false			
Getter	false Setter false			false
Derived	false			
Multiplicity	Unspecified			
Aggregation	None			
Derived Union	false			
Read Only	false			
Is ID	false			
Leaf	false			
Project Management	Name		Value	
	Author		kpm2	
	Create Date Time		08-Oct-2014	16:41:33
	Last Modified	·	31-Oct-2014	13:35:14

private ScreenNumber : Integer				
Туре	Integer	Integer		
Allow Empty Name	false			
Getter	false	Setter		false
Derived	false			
Multiplicity	Unspecified			
Aggregation	None			
Derived Union	false			
Read Only	false			
Is ID	false	false		
Leaf	false	false		
Project Management	Name		Value	
	Author		kpm2	
	Create Date Time		08-Oct-2014	16:41:41
	Last Modified		31-Oct-2014	13:35:14

private Distributor : String			
Туре	String		
Allow Empty Name	false	-	
Getter	false	Setter	false
Derived	false		

Multiplicity	Unspecified	-			
Aggregation	None				
Derived Union	false	false			
Read Only	false	false			
Is ID	false	false			
Leaf	false	false			
Project Management	Name	Value			
	Author	kpm2			
	Create Date Time	08-Oct-2014 16:41:53			
	Last Modified	29-Oct-2014 16:50:45			

private ID : String					
Туре	String				
Allow Empty Name	false			_	
Getter	false	false Setter false			
Derived	false	false			
Multiplicity	Unspecified	Unspecified			
Aggregation	None	None			
Derived Union	false	false			
Read Only	false			,	
Is ID	false	false			
Leaf	false			_	
Project Management	Name		Value		
	Author		kpm2		
	Create Date Time	Create Date Time		29-Oct-2014 16:13:53	
	Last Modified		29-Oct-2014	1 16:50:45	

public Film ()			
Leaf	false		
Ordered	false		
Unique	true		
Query	false		
Project Management	Name	Value	
	Author	kpm2	
	Create Date Time	29-Oct-2014 16:51:07	
	Last Modified	29-Oct-2014 16:56:29	

#### Relationships

Stores : Association

From	Name	Value			
	End Model Element	Dat	abase		
	Provide Property Getter Method	false	Se .		
	Provide Property Setter Method	false	false		
	Multiplicity	Unspe	Unspecified		
	Visibility	Unspec	Unspecified		
	Aggregation Kind	None			
	Navigable	Naviga	ble		
	Derived	false			
	Derived Union	false			
	Read Only	false			
	Static	false	false		
	Leaf				
	Туре	Dat	Database		
	Project Management Name		Value		
		Author		kpm2	
		Create	Date Time	31-Oct-2014 10:33:36	
Abstract	false	false			
Leaf	false	false			
Visibility	Unspecified	Unspecified			
Quality Score	Fair	Fair			
Quality Reason	Problem Suggestion				
	Name does not contain glos	ssary terms	Define name as term in glossary		
Derived	false	false			
Project Management	Name	Value			
	Author	Author		kpm2	
	Create Date Time	Create Date Time		31-Oct-2014 10:33:36	
	Last Modified		31-Oct-2014 1	0:46:17	

# PayPalClient

Name	Value
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
Project Management	Name	Value
	Author	kpm2
	Create Date Time	31-Oct-2014 10:25:40
	Last Modified	31-Oct-2014 13:07:23

#### **Attributes**

private mechantID : String				
Туре	String			
Allow Empty Name	false			
Getter	false	Setter		false
Derived	false			
Multiplicity	Unspecified			
Aggregation	None			
Derived Union	false			
Read Only	false			
Is ID	false			
Leaf	false			
Project Management	Name		Value	
	Author		kpm2	
	Create Date Time		31-Oct-2014	13:00:38
	Last Modified		31-Oct-2014	13:07:23

#### Relationships

Implements : Dependency			
То	PaymentClient		
Visibility	Unspecified		
Quality Score	Good		
Project Management	Name Value		
	Author	kpm2	
	Create Date Time	31-Oct-2014 13:01:50	
	Last Modified	31-Oct-2014 13:33:16	

#### CreditCardProviderClient

Name	Value
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	
Project Management	Name	Value	
Project Management	Name Author	Value kpm2	
Project Management			

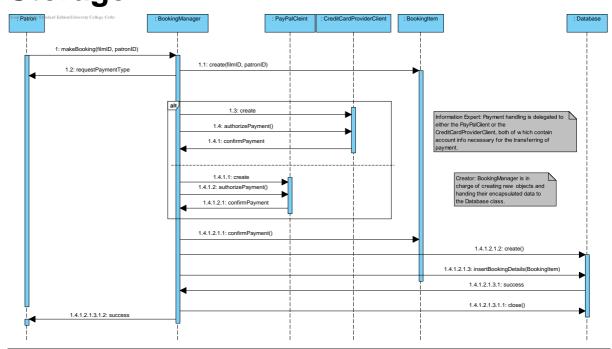
#### **Attributes**

private mechantAccountN	o : String			
Туре	String			
Allow Empty Name	false			
Getter	false	Setter		false
Derived	false			
Multiplicity	Unspecified			
Aggregation	None			
Derived Union	false			
Read Only	false			
Is ID	false			
Leaf	false			
Project Management	Name		Value	
	Author		kpm2	
	Create Date Time		31-Oct-2014	13:00:58
	Last Modified		31-Oct-2014	13:07:23

Implements : Dependency			
То	PaymentClient		
Visibility	Unspecified		
Quality Score	Good		
Project Management	Name Value		
	Author	kpm2	
	Create Date Time	31-Oct-2014 13:02:06	
	Last Modified	31-Oct-2014 13:33:16	

#### **Sequence Diagram**

# Make Booking and Booking Detail Storage



Name	Value
Name	Make Booking and Booking Detail Storage
Author	kpm2
Create Date Time	29-Oct-2014 14:51:51
Last Modified	31-Oct-2014 13:35:38
Show Parameter Types In Message Operation Signature	true

#### **Summary**

Name	Documentation
P : Patron	
: BookingManager	
: BookingItem	
: CreditCardProviderClient	
: PayPalCleint	
T: Database	
■ N/A	Creator: BookingManager is in charge of creating new objects and handing their encapsulated data to the Database class.
CombinedFragment	
Operand	
Operand2	

Information Expert: Payment handling is delegated to either the PayPalCilent or the CreditCardProviderClient, both of which contain account info necessary for the transferring of
payment.

# **Details**



# ₹ : Patron

Name	Value				
Multiplicity	Unspecified				
Base Classifier	Patron				
Active	false				
Stopped	false				
Multi Object	false				
Project Management	Name Value				
	Author kpm2				
	Create Date Time 29-Oct-2014 14:57:19				
	Last Modified	31-Oct-2014 13:26:43			

Relationships					
makeBooking(filmID, patr	onID) : Message				
То	Name	Value	Value		
	End Model Element	₹ N/A	4		
	Project Management	Name		Value	
		Author	r	kpm2	
		Create	e Date Time	29-Oct-2014 14:57:41	
Туре	Message				
Sequence Number	1				
Asynchronous	false	false			
Project Management	Name	Name		Value	
	Author	Author		kpm2	
	Create Date Time	Create Date Time		29-Oct-2014 14:57:41	
	Last Modified	Last Modified		31-Oct-2014 13:26:43	
success : Message					
From	Name	Value			
	End Model Element	₹ N/A	4		
	Project Management	Name		Value	
		Author Create		kpm2	
				29-Oct-2014 16:32:50	
Туре	Message				
Sequence Number	1.4.1.2.1.3.1.2	1.4.1.2.1.3.1.2			

Asynchronous	false				
Project Management	Name	V		Value	
	Author		kpm2		
	Create Date Time		29-Oct-2014 1	6:32:50	
	Last Modified		31-Oct-2014 1	3:26:43	
requestPaymentType : Messa	ige				
From	Name	Value			
	End Model Element	₹ N/A	\		
	Project Management	Name		Value	
		Author	1	kpm2	
		Create	Date Time	29-Oct-2014 15:45:09	
Туре	Message	Message			
Sequence Number	1.2				
Asynchronous	false				
Project Management	Name Value				
	Author kpm2				
	Create Date Time	29-Oct-2014 15:4		5:45:09	
	Last Modified 31-Oct-2014 1		14 13:26:43		

# **?** : BookingManager

Name	Value					
Multiplicity	Unspecified					
Base Classifier	BookingManager					
Active	false					
Stopped	false	false				
Multi Object	false	false				
Project Management	Name	Name Value				
	Author	Author kpm2				
	Create Date Time	Create Date Time 29-Oct-2014 14:52:07				
	Last Modified	31-Oct-2014 13:26:43				

create : Message							
То	Name	Value					
	End Model Element	₹ N/A	₹ N/A				
	Project Management	Name	Value				
		Author	kpm2				
		Create Date Time	31-Oct-2014 13:24:37				
Туре	Message						
Sequence Number	1.3						

Asynchronous	false			
Project Management	Name		Value	
	Author		kpm2	
	Create Date Time		31-Oct-2014 1	3:24:37
	Last Modified		31-Oct-2014 1	3:26:43
authorizePayment(): Message				
То	Name	Value		
	End Model Element	₹ N/A	1	
	Project Management	Name		Value
		Author		kpm2
	Create [		Date Time	31-Oct-2014 13:22:57
Туре	Message			
Sequence Number	1.4			
Asynchronous	false			
Project Management	Name		Value	
	Author		kpm2	
	Create Date Time		31-Oct-2014 13:22:57	
	Last Modified 31-Oct-2014 13:26		3:26:43	

authorizePayment() : Message						
То	Name	Value				
	End Model Element	₹ N/A	١			
	Project Management	Name		Value		
		Author		kpm2		
		Create	Date Time	29-Oct-2014 15:49:16		
Туре	Message					
Sequence Number	1.4.1.2					
Asynchronous	false					
Project Management	Name Value Author kpm2					
	Create Date Time	e Date Time 29-Oct-2014 15:49:16				
	Last Modified 31-Oct-2014 13:26:43			3:26:43		

insertBookingDetails(BookingItem) : Message							
То	Name	Value					
	End Model Element	₹ N/A					
	Project Management	Name	Value				
		Author	kpm2				
		Create Date Time	29-Oct-2014 14:58:35				
Туре	Message						
Sequence Number	1.4.1.2.1.3	1.4.1.2.1.3					

Asynchronous	false			
Project Management	Name Value			
	Author	kpm2		
	Create Date Time	29-Oct-2014 14:58:35		
	Last Modified	31-Oct-2014 13:26:43		

close() : Message					
То	Name	Value			
	End Model Element	₹ N/A	1		
	Project Management	Name		Value	
		Author		kpm2	
		Create	Date Time	29-Oct-2014 16:30:47	
Туре	Message				
Sequence Number	1.4.1.2.1.3.1.1				
Asynchronous	false				
Project Management	Name Value				
	Author	kpm2 e 29-Oct-2014 16:30:47			
	Create Date Time				
	Last Modified 31-Oct-2014 13:26:43			3:26:43	

create(filmID, patronID) : Message						
То	Name	Value				
	End Model Element	₹ N/A	1			
	Project Management	Name		Value		
		Author		kpm2		
		Create	Date Time	29-Oct-2014 16:17:50		
Туре	Message					
Sequence Number	1.1					
Asynchronous	false					
Project Management	Name Value					
	Author		kpm2			
	Create Date Time	29-Oct-2014 16:17:50				
	Last Modified 31-Oct-2014 13:26:43			3:26:43		

create() : Message			
То	Name	Value	
	End Model Element	₹ N/A	
	Project Management	Name	Value
		Author	kpm2
		Create Date Time	29-Oct-2014 16:30:28
Туре	Message		
Sequence Number	1.4.1.2.1.2		

Asynchronous	false		
Project Management	Name Value		
	Author	kpm2	
	Create Date Time	29-Oct-2014 16:30:28	
	Last Modified	31-Oct-2014 13:26:43	

confirmPayment() : Message				
То	Name	Value		
	End Model Element	₹ N/A	1	
	Project Management	Name		Value
		Author		kpm2
		Create	Date Time	29-Oct-2014 16:22:51
Туре	Message			
Sequence Number	1.4.1.2.1.1			
Asynchronous	false			
Project Management	Name Value			
	Author         kpm2           Create Date Time         29-Oct-2014 16:22:51           Last Modified         31-Oct-2014 13:26:43			
				6:22:51
				3:26:43

create : Message				
То	Name	Value		
	End Model Element	₹ N/A	₹ N/A	
	Project Management	Name		Value
		Author		kpm2
		Create	Date Time	31-Oct-2014 13:24:57
Туре	Message			
Sequence Number	1.4.1.1			
Asynchronous	false			
Project Management	Name Value			
	Author kpm2			
	Create Date Time 31-Oct-2014 13:24:57		3:24:57	
	Last Modified		31-Oct-2014 13:26:43	

requestPaymentType : Message				
То	Name	Value		
	End Model Element	₹ N/A		
	Project Management	Name	Value	
		Author	kpm2	
		Create Date Time	29-Oct-2014 15:45:09	
Туре	Message			
Sequence Number	1.2			

Asynchronous	false		
Project Management	Name Value		
	Author kpm2		
	Create Date Time 29-Oct-2014 15:45:09		
	Last Modified	31-Oct-2014 13:26:43	

success : Message				
То	Name	Value		
	End Model Element	₹ N/A	1	
	Project Management	Name		Value
		Author		kpm2
		Create	Date Time	29-Oct-2014 16:32:50
Туре	Message			
Sequence Number	1.4.1.2.1.3.1.2			
Asynchronous	false			
Project Management	Name         Value           Author         kpm2           Create Date Time         29-Oct-2014 16:32:50           Last Modified         31-Oct-2014 13:26:43			
				6:32:50
				3:26:43

confirmPayment : Message					
From	Name	Value	Value		
	End Model Element	₹ N/A	4		
	Project Management	Name		Value	
		Author	•	kpm2	
		Create	Date Time	31-Oct-2014 13:24:22	
Туре	Message				
Sequence Number	1.4.1				
Asynchronous	false	false			
Project Management	Name	Name		Value	
	Author	Author		kpm2	
	Create Date Time	Create Date Time		31-Oct-2014 13:24:22	
	Last Modified		31-Oct-2014 13:26:43		
success : Message					
From	Name	Value			
	End Model Element	₹ N/A	₹ N/A		
	Project Management	Name		Value	
		Author	•	kpm2	
		Create		29-Oct-2014 16:32:00	
Туре	Message	Message			
Sequence Number	1.4.1.2.1.3.1	1.4.1.2.1.3.1			

Asynchronous	false		
Project Management	Name Value		
	Author	kpm2	
	Create Date Time	29-Oct-2014 16:32:00	
	Last Modified	31-Oct-2014 13:26:43	

makeBooking(filmID, patronID) : Message				
From	Name	Value		
	End Model Element	<b>P</b> N/A	١	
	Project Management	Name		Value
		Author		kpm2
		Create	Date Time	29-Oct-2014 14:57:41
Туре	Message			
Sequence Number	1			
Asynchronous	false			
Project Management	Name Value			
	Author kpm2 Create Date Time 29-Oct-2014 14:57:41			
			14:57:41	
	Last Modified		31-Oct-2014	13:26:43

confirmPayment : Message				
From	Name	Value	Value	
	End Model Element	₹ N/A	1	
	Project Management	Name		Value
		Author		kpm2
		Create	Date Time	29-Oct-2014 15:57:03
Туре	Message			
Sequence Number	1.4.1.2.1			
Asynchronous	false			
Project Management	Name Value			
	Author kpm2			
	Create Date Time 29-Oct-2014 15:57:03		5:57:03	
	Last Modified 31-Oct-2014 13:26:43			3:26:43

# **?** : BookingItem

Name	Value
Multiplicity	Unspecified
Base Classifier	BookingItem
Active	false
Stopped	false
Multi Object	false

Project Management	Name	Value
	Author	kpm2
	Create Date Time	29-Oct-2014 16:15:08
	Last Modified	31-Oct-2014 13:26:43

#### Relationships

Relationships					
create(filmID, patronID) : N	Message				
From	Name	Value			
	End Model Element	₹ N/A			
	Project Management	Name		Value	
	Author	•	kpm2		
		Create	Date Time	29-Oct-2014 16:17:50	
Туре	Message				
Sequence Number	1.1				
Asynchronous	false				
Project Management	Name		Value		
	Author	Author		kpm2	
	Create Date Time	Create Date Time		29-Oct-2014 16:17:50	
	Last Modified	Last Modified		31-Oct-2014 13:26:43	
confirmPayment() : Messa	ige _				
From	Name	Value	Value		
	End Model Element	₹ N/A	₹ N/A		
	Project Management	Name		Value	
		Author	•	kpm2	
		Create		29-Oct-2014 16:22:51	
Туре	Message				
Sequence Number	1.4.1.2.1.1				
Asynchronous	false	false			
Project Management	Name	Value			
	Author	Author		kpm2	
	Create Date Time	Create Date Time		29-Oct-2014 16:22:51	
	Last Modified	31-Oct-2014 13:26:43		13:26:43	

### **?** : CreditCardProviderClient

Name	Value
Multiplicity	Unspecified
Base Classifier	CreditCardProviderClient
Active	false
Stopped	false
Multi Object	false

Project Management	Name	Value
	Author	kpm2
	Create Date Time	31-Oct-2014 13:20:44
	Last Modified	31-Oct-2014 13:26:43

confirmPayment : Messag	<b>у</b> е				
То	Name	Value	Value		
	End Model Element	₹N	/A		
	Project Management	Name		Value	
		Autho	or	kpm2	
		Crea	te Date Time	31-Oct-2014 13:24:22	
Туре	Message	,			
Sequence Number	1.4.1				
Asynchronous	false				
Project Management	Name		Value		
	Author		kpm2		
	Create Date Time		31-Oct-2014	13:24:22	
	Last Modified		31-Oct-2014	13:26:43	
authorizePayment() : Mes	sage				
From	Name	Value	Value		
	End Model Element	₹N	₹ N/A		
	Project Management	Nam	e	Value	
		Autho	or	kpm2	
		Create		31-Oct-2014 13:22:57	
Туре	Message				
Sequence Number	1.4				
Asynchronous	false				
Project Management	Name		Value		
	Author		kpm2	kpm2	
	Create Date Time		31-Oct-2014 13:22:57		
	Last Modified		31-Oct-2014	13:26:43	
create : Message					
From	Name	Value	Value		
	End Model Element	E NI/A			
	Project Management	Nam	е	Value	
		Autho	or	kpm2	
		Create		31-Oct-2014 13:24:37	
Туре	Message	•			
Sequence Number	1.3				

Project Management	Name	Value
	Author	kpm2
	Create Date Time	31-Oct-2014 13:24:37
	Last Modified	31-Oct-2014 13:26:43

# : PayPalCleint

Name	Value				
Multiplicity	Unspecified	Unspecified			
Base Classifier	PayPalCleint				
Active	false				
Stopped	false	false			
Multi Object	false	false			
Project Management	Name	Value			
	Author	kpm2			
	Create Date Time	Create Date Time 29-Oct-2014 15:53:55			
	Last Modified	31-Oct-2014 13:26:43			

reacionionipo					
confirmPayment : Message					
То	Name	Value			
	End Model Element		4		
	Project Management	Name		Value	
		Author	•	kpm2	
		Create	Date Time	29-Oct-2014 15:57:03	
Туре	Message				
Sequence Number	1.4.1.2.1				
Asynchronous	false	false			
Project Management	Name		Value		
	Author	Author		kpm2	
	Create Date Time 29-Oct-2		29-Oct-2014 1	2014 15:57:03	
	Last Modified		31-Oct-2014 13:26:43		
authorizePayment() : Messag	je <u> </u>				
From	Name	Value			
	End Model Element	₹ N/A	1		
	Project Management	Name		Value	
		Author	•	kpm2	
		Create	Create Date Time 29-Oct-2014 15:4		
Туре	Message	Message			
Sequence Number	1.4.1.2				
Asynchronous	false				

Project Management	Name		Value		
	Author		kpm2		
	Create Date Time		29-Oct-2014 1	5:49:16	
	Last Modified		31-Oct-2014 1	31-Oct-2014 13:26:43	
create : Message					
From	Name	Value			
	End Model Element	₹ N/A	\		
	Project Management	Name Author		Value	
				kpm2	
	Crea		Date Time	31-Oct-2014 13:24:57	
Туре	Message				
Sequence Number	1.4.1.1				
Asynchronous	false				
Project Management	Name		Value		
	Author	Author		kpm2	
Create Date Time		31-Oct-2014 13:24:57		3:24:57	
	Last Modified 31-Oct-2014 13		3:26:43		

# 🕇 : Database

Name	Value				
Multiplicity	Unspecified	Unspecified			
Base Classifier	Database				
Active	false				
Stopped	false	false			
Multi Object	false	false			
Project Management	Name	Value			
	Author	kpm2			
	Create Date Time	Create Date Time 29-Oct-2014 14:52:56			
	Last Modified	31-Oct-2014 13:26:43			

success : Message					
То	Name	Value			
	End Model Element	₹ N/A			
	Project Management	Name	Value		
		Author	kpm2		
		Create Date Time	29-Oct-2014 16:32:00		
Туре	Message				
Sequence Number	1.4.1.2.1.3.1				
Asynchronous	false				

roject Management Name		Value	Value		
			kpm2		
			29-Oct-2014 16	6:32:00	
	Last Modified		31-Oct-2014 13	3:26:43	
insertBookingDetails(Booking	ltem) : Message				
From	Name	Value	e .		
	End Model Element	<b>₹</b> N/A	1		
	Project Management	Name		Value	
		Author		kpm2	
		Create	Date Time	29-Oct-2014 14:58:35	
Туре	Message				
Sequence Number	1.4.1.2.1.3				
Asynchronous	false				
Project Management	Name Va		Value		
	Author		kpm2		
	Create Date Time		29-Oct-2014 14:58:35		
	Last Modified		31-Oct-2014 13:26:43		
create() : Message					
From	Name	Value			
	End Model Element	₹ N/A	\		
	Project Management	Name		Value	
		Author		kpm2	
		Create	Date Time	29-Oct-2014 16:30:28	
Туре	Message				
Sequence Number	1.4.1.2.1.2				
Asynchronous	false				
Project Management	Name		Value		
	Author		kpm2		
	Create Date Time		29-Oct-2014 16:30:28		
	Last Modified		31-Oct-2014 13:26:43		

close(): Message				
From	Name	Value		
	End Model Element	₹ N/A		
	Project Management	Name	Value	
		Author	kpm2	
		Create Date Time	29-Oct-2014 16:30:47	
Туре	Message			
Sequence Number	1.4.1.2.1.3.1.1			
Asynchronous	false			

Project Management	Name	Value
	Author	kpm2
	Create Date Time	29-Oct-2014 16:30:47
	Last Modified	31-Oct-2014 13:26:43

#### ■ N/A

Name	Value	
Documentation	Creator: BookingManager is in charge of creating new objects and handing their encapsulated data to the Database class.	
Project Management	Name	Value
	Author	kpm2
	Create Date Time	31-Oct-2014 13:14:25
	Last Modified	31-Oct-2014 13:26:43

# CombinedFragment

Name	Value		
Operator Kind	alt		
Project Management	Name Value		
	Author	kpm2	
	Create Date Time	29-Oct-2014 15:47:28	
	Last Modified	31-Oct-2014 13:26:43	

#### **Interaction Operands**

Value	
Operand	
Operand2	

#### **Covered LifeLines**

Name	Documentation
₹ N/A	
₹ N/A	
₹ N/A	

# Operand

Name	Value			
Guard	Name	Value		
	Project Management	Name	Value	
		Author	kpm2	
		Create Date Time	29-Oct-2014 15:47:28	

Project Management	Name	Value
	Author	kpm2
	Create Date Time	29-Oct-2014 15:47:28
	Last Modified	31-Oct-2014 13:26:43

# **Operand2**

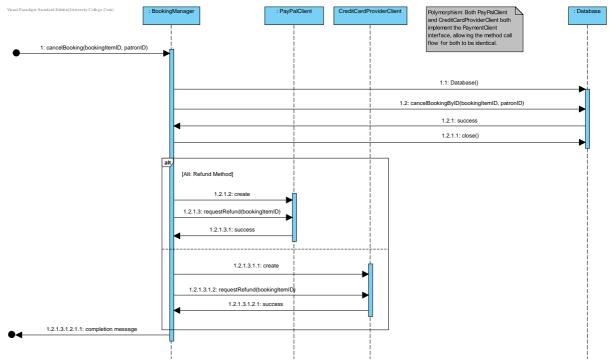
Name	Value	Value			
Guard	Name	Value	Value		
	Project Management	Name		Value	
		Autho	r	kpm2	
		Create	Date Time	29-Oct-2014 15:47:28	
Project Management	Name Value				
	Author	Author		kpm2	
	Create Date Time	Create Date Time		29-Oct-2014 15:47:28	
	Last Modified	Last Modified		31-Oct-2014 13:26:43	



Name	Value	
Documentation	Information Expert: Payment handling is delegated to either the PayPalCilent or the CreditCardProviderClient, both of which contain account info necessary for the transferring of payment.	
Project Management	Name	Value
	Author	kpm2
	Create Date Time	31-Oct-2014 13:28:29
	Last Modified	31-Oct-2014 13:31:17

#### **Sequence Diagram**

# **Cancel Booking**



Name	Value
Name	Cancel Booking
Author	kpm2
Create Date Time	31-Oct-2014 10:45:21
Last Modified	31-Oct-2014 13:35:38
Show Parameter Types In Message Operation Signature	true

### **Summary**

Name	Documentation
<b>7</b> :	
BookingManager	
📮 : Database	
P : PayPalClient	
CreditCardProvide	rClient
Alt: Refund	
Method	
<b>Operand3</b>	
Operand4	
■ N/A	Polymorphism: Both PayPalClient and CreditCardProviderClient both implement the PaymentClient interface, allowing the method call flow for both to be identical.

### **Details**

# ₹ : BookingManager

Name	Value			
Quality Score	Good			
Multiplicity	Unspecified			
Base Classifier	BookingManager			
Active	false	false		
Stopped	false	false		
Multi Object	false	false		
Project Management	Name Value			
	Author	kpm2		
	Create Date Time	29-Oct-2014 14:52:07		
	Last Modified	31-Oct-2014 13:08:22		

relationships						
create : Message						
То	Name	Value	Value			
	End Model Element	P Cre	ditCardProvide	erClient		
	Project Management	Name		Value		
		Author		kpm2		
		Create	Date Time	31-Oct-2014 13:07:46		
Quality Score	Fair					
Quality Reason	Problem		Suggestion			
	Name does not contain glo	ossary terms	Define name	as term in glossary		
Туре	Message	Message				
Sequence Number	1.2.1.3.1.1	1.2.1.3.1.1				
Asynchronous	false					
Project Management	Name	Name		Value		
	Author	Author		kpm2		
	Create Date Time		31-Oct-2014 13:07:46			
	Last Modified		31-Oct-2014 13:26:43			
create : Message						
То	Name	Value				
	End Model Element	₹ N/A	₹ N/A			
	Project Management	Name		Value		
		Author		kpm2		
		Create		31-Oct-2014 13:06:59		
Quality Score	Fair					

Quality Reason	Problem	Suggestion	
	Name does not contain glossary terms	Define name as term in glossary	
Туре	Message		
Sequence Number	1.2.1.2		
Asynchronous	false		
Project Management	Name	Value	
	Author	kpm2	
	Create Date Time	31-Oct-2014 13:06:59	
	Last Modified	31-Oct-2014 13:26:43	

close(): Message					
То	Name	Value			
	End Model Element	₹ N/A	\		
	Project Management	Name		Value	
	Author k	kpm2			
		Create	Date Time	29-Oct-2014 16:30:47	
Quality Score	Fair	Fair			
Quality Reason	Problem		Suggestion		
	Name does not contain glo	ssary terms	Define name as term in glossary		
Туре	Message	Message			
Sequence Number	1.2.1.1				
Asynchronous	false				
Project Management	Name		Value		
	Author		kpm2		
	Create Date Time         29-Oct-2014 16:30:47           Last Modified         31-Oct-2014 13:08:22		6:30:47		
			31-Oct-2014 13:08:22		

completion message : Message						
То	Name	Author				
	Project Management			Name Value		Value
				kpm2		
				31-Oct-2014 13:05:50		
Quality Score	Fair					
Quality Reason	Problem		Suggestion			
	Name does not contain glossar	y terms	Define name as	ame as term in glossary		
Туре	Message					
Sequence Number	1.2.1.3.1.2.1.1					
Asynchronous	false					

Project Management	Name	Value
	Author	kpm2
	Create Date Time	31-Oct-2014 13:05:50
	Last Modified	31-Oct-2014 13:26:43

cancelBookingByID(bookingItemID, patronID) : Message					
То	Name	Value			
	End Model Element				
	Project Management	Name		Value	
		Author		kpm2	
		Create	Date Time	29-Oct-2014 14:58:35	
Quality Score	Fair				
Quality Reason	Problem	Suggestion			
	Name does not contain glossa	ry terms	Define name a	e as term in glossary	
Туре	Message				
Sequence Number	1.2				
Asynchronous	false				
Project Management	Name		Value		
	Author		kpm2		
	Create Date Time	Date Time 29-Oct-2014 14:58:35			
	Last Modified 31-Oct-2014 13:08:22		3:08:22		

requestRefund(bookingItemID): Message					
То	Name	Value			
	End Model Element	P CreditCardProvider		Client	
	Project Management	Name		Value	
		Author		kpm2	
		Create	Date Time	31-Oct-2014 13:04:39	
Quality Score	Fair				
Quality Reason	Problem Sugges		Suggestion	estion	
	Name does not contain glossar	y terms	ns Define name as term in glossary		
Туре	Message				
Sequence Number	1.2.1.3.1.2				
Asynchronous	false				
Project Management	Name		Value		
	Author		kpm2		
	Create Date Time         31-Oct-2014 13:04:39           Last Modified         31-Oct-2014 13:08:29			3:04:39	
				3:08:22	

requestRefund(bookingItemID) : Message

То	Name	Value			
	End Model Element	₹ N/A	1		
	Project Management	Name		Value	
		Author		kpm2	
		Create	Date Time	31-Oct-2014 12:53:35	
Quality Score	Fair				
Quality Reason	Problem	Suggestion  glossary terms Define name as term			
	Name does not contain glossar			Define name as term in glossary	
Туре	Message				
Sequence Number	1.2.1.3				
Asynchronous	false				
Project Management	Name		Value		
	Author		kpm2		
	Create Date Time		31-Oct-2014 12:53:35		
	Last Modified		31-Oct-2014 13	3:08:22	

Database() : Message					
То	Name	Value			
	End Model Element				
	Project Management	Name		Value	
		Author		kpm2	
		Create	Date Time	29-Oct-2014 16:30:28	
Quality Score	Fair				
Quality Reason	Problem	Suggestion			
	Name does not contain glossa	ary terms	Define name a	Define name as term in glossary	
Туре	Message				
Sequence Number	1.1				
Asynchronous	false				
Project Management	Name		Value		
	Author		kpm2		
	Create Date Time			6:30:28	
	Last Modified			3:07:23	

success : Message					
From	Name	Value			
	End Model Element	P CreditCardProvid	lerClient		
	Project Management	Name	Value		
		Author	kpm2		
		Create Date Time	31-Oct-2014 13:05:17		
Quality Score	Fair				

Quality Reason	Problem	Problem		Suggestion	
	Name does not contain g	lossary terms	Define name as term in glossary		
Туре	Message	Message			
Sequence Number	1.2.1.3.1.2.1				
Asynchronous	false				
Project Management	Name	Name Value			
	Author		kpm2		
	Create Date Time		31-Oct-2014 1	3:05:17	
	Last Modified		31-Oct-2014 1	3:26:43	
success : Message					
From	Name	Value			
	End Model Element	₹ N/A	₹ N/A		
	Project Management	Name		Value	
	Aut	Author		kpm2	
		Create	Date Time	29-Oct-2014 16:32:00	
Quality Score	Fair				
Quality Reason	Problem		Suggestion		
	Name does not contain g	lossary terms	ns Define name as term in glossary		
Туре	Message				
Sequence Number	1.2.1				
Asynchronous	false	false			
Project Management	Name		Value		
	Author		kpm2		
	Create Date Time		29-Oct-2014 1	6:32:00	
	Last Modified		31-Oct-2014 13:08:22		

cancelBooking(bookingItemID, patronID) : Message					
From	Name	Value			
	Project Management	Name		Value	
		Author		kpm2	
		Create	Date Time	31-Oct-2014 12:46:38	
Quality Score	Fair				
Quality Reason	Problem	oblem Suggestion			
	Name does not contain glossary terms		Define name as term in glossary		
Туре	Message				
Sequence Number	1				
Asynchronous	false				
Project Management	Name		Value		
	Author	kpm2			
	Create Date Time	31-Oct-2014 12:46:38		2:46:38	
	Last Modified		31-Oct-2014 13:07:23		

success : Message					
From	Name	Value	Value		
	End Model Element	₹ N/A	١		
	Project Management	Name		Value	
		Author		kpm2	
		Create	Date Time	31-Oct-2014 12:54:09	
Quality Score	Fair				
Quality Reason	Problem	Suggestion			
	Name does not contain glo	ssary terms	Define name a	as term in glossary	
Туре	Message				
Sequence Number	1.2.1.3.1	1.2.1.3.1			
Asynchronous	false				
Project Management	Name	Name Value			
	Author	Author		kpm2	
	Create Date Time		31-Oct-2014 12:54:09		
	Last Modified		31-Oct-2014 1	3:08:22	

# 🕇 : Database

Name	Value			
Quality Score	Good			
Multiplicity	Unspecified			
Base Classifier	Database			
Active	false			
Stopped	false			
Multi Object	false			
Project Management	Name	Value		
	Author	kpm2		
	Create Date Time	29-Oct-2014 14:52:56		
	Last Modified	31-Oct-2014 13:08:22		

success : Message	success : Message					
То	Name	Value       ment          ¬ N/A				
	End Model Element					
	Project Management	Name		Value		
		Author		kpm2		
		Create	Date Time	29-Oct-2014 16:32:00		
Quality Score	Fair					
Quality Reason	Problem		Suggestion			
	Name does not contain glossa	ry terms	Define name a	s term in glossary		

Туре	Message				
Sequence Number	1.2.1				
Asynchronous	false				
Project Management	Name		Value		
	Author		kpm2		
	Create Date Time		29-Oct-2014 16	6:32:00	
	Last Modified		31-Oct-2014 13	3:08:22	
cancelBookingByID(bookingIte	emID, patronID) : Message				
From	Name	Value			
	End Model Element	₹ N/A	<u> </u>		
	Project Management	Name		Value	
		Author		kpm2	
		Create	Date Time	29-Oct-2014 14:58:35	
Quality Score	Fair				
Quality Reason	Problem		Suggestion		
	Name does not contain glossa	ry terms	Define name as	s term in glossary	
Туре	Message				
Sequence Number	1.2				
Asynchronous	false				
Project Management	Name		Value		
	Author		kpm2		
	Create Date Time		29-Oct-2014 14	4:58:35	
	Last Modified		31-Oct-2014 13:08:22		
close(): Message					
From	Name	Value			
	End Model Element	₹ N/A	<u> </u>		
	Project Management	Name		Value	
		Author		kpm2	
		Create	Date Time	29-Oct-2014 16:30:47	
Quality Score	Fair				
Quality Reason	Problem		Suggestion		
	Name does not contain glossary terms		terms Define name as term in glossary		
Туре	Message				
Sequence Number	1.2.1.1				
Asynchronous	false				
Project Management	Name Value				
	Author		kpm2		
	Create Date Time		29-Oct-2014 16:30:47		
	Last Modified		31-Oct-2014 13:08:22		

From	Name	Value		
	End Model Element			
	Project Management	Name		Value
		Author		kpm2
		Create	Date Time	29-Oct-2014 16:30:28
Quality Score	Fair			
Quality Reason	Problem		Suggestion	
	Name does not contain glossa	y terms	Define name as	s term in glossary
Туре	Message			
Sequence Number	1.1			
Asynchronous	false			
Project Management	Name Value			
	Author		kpm2	
	Create Date Time		29-Oct-2014 16:30:28	
	Last Modified		31-Oct-2014 13	3:07:23

# : PayPalClient

Name	Value				
Quality Score	Good				
Multiplicity	Unspecified				
Base Classifier	PayPalClient	PayPalClient			
Active	false	false			
Stopped	false	false			
Multi Object	false	false			
Project Management	Name	Value			
	Author	kpm2			
	Create Date Time	29-Oct-2014 15:53:55			
	Last Modified	31-Oct-2014 13:07:23			

success : Message					
То	Name	Value	Value		
	End Model Element	₹ N/A	١		
	Project Management	Name		Value	
		Author	1	kpm2	
		Create	Date Time	31-Oct-2014 12:54:09	
Quality Score	Fair				
Quality Reason	Problem	Problem Suggestion			
	Name does not contain glo	ossary terms	Define name	as term in glossary	
Туре	Message			·	

Sequence Number	1.2.1.3.1				
Asynchronous	false				
Project Management	Management Name		Value		
	Author		kpm2		
	Create Date Time		31-Oct-2014 1	2:54:09	
	Last Modified		31-Oct-2014 1	3:08:22	
requestRefund(bookingItemID	: Message				
From	Name	Value			
	End Model Element	<b>₹</b> N/A	1		
	Project Management	Name		Value	
		Author		kpm2	
		Create	Date Time	31-Oct-2014 12:53:35	
Quality Score	Fair				
Quality Reason	Problem		Suggestion		
	Name does not contain glossa	ry terms	Define name a	s term in glossary	
Туре	Message				
Sequence Number	1.2.1.3				
Asynchronous	false				
Project Management	Name		Value		
	Author		kpm2		
	Create Date Time		31-Oct-2014 12:53:35		
	Last Modified		31-Oct-2014 13:08:22		
create : Message					
From	Name	Value			
	End Model Element	₹ N/A	\		
	Project Management	Name		Value	
		Author		kpm2	
		Create	Date Time	31-Oct-2014 13:06:59	
Quality Score	Fair				
Quality Reason	Problem		Suggestion		
	Name does not contain glossary terms		Define name as term in glossary		
Туре	Message				
Sequence Number	1.2.1.2				
Asynchronous	false				
Project Management	Name Value				
	Author		kpm2		
	Create Date Time		31-Oct-2014 13:06:59		
	Last Modified		31-Oct-2014 13:26:43		

# **T**CreditCardProviderClient

Name	Value	Value		
Quality Score	Fair			
Quality Reason	Problem	Suggestion		
	Name does not contain glos	sary terms Define name as term in glossary		
Multiplicity	Unspecified	Unspecified		
Active	false	false		
Stopped	false	false		
Multi Object	false			
Project Management	Name	Value		
	Author	kpm2		
	Create Date Time	31-Oct-2014 13:03:45		
	Last Modified	31-Oct-2014 13:08:22		

success : Message					
То	Name	Value			
	End Model Element	₹ N/A			
	Project Management	Name		Value	
		Author		kpm2	
		Create	Date Time	31-Oct-2014 13:05:17	
Quality Score	Fair				
Quality Reason	Problem		Suggestion		
	Name does not contain glo	ossary terms	Define name a	s term in glossary	
Туре	Message				
Sequence Number	1.2.1.3.1.2.1	1.2.1.3.1.2.1			
Asynchronous	false	false			
Project Management	Name	Name		Value	
	Author	Author		kpm2	
	Create Date Time	Create Date Time		31-Oct-2014 13:05:17	
	Last Modified		31-Oct-2014 1	3:26:43	
requestRefund(bookingItem	ID) : Message				
From	Name	Value			
	End Model Element	₹ N/A			
	Project Management	Name		Value	
		Author		kpm2	
		Create	Create Date Time 31-Oct-2014 13:0		
Quality Score	Fair	Fair			
Quality Reason	Problem	Suggestion			
	Name does not contain glossary terms Define name as		s term in glossary		
Туре	Message				
Sequence Number	1.2.1.3.1.2	1.2.1.3.1.2			

Asynchronous	false	false			
Project Management	Name	Name		Value	
	Author	Author			
	Create Date Time		31-Oct-2014 1	3:04:39	
	Last Modified		31-Oct-2014 1	3:08:22	
create : Message					
From	Name	Value			
	End Model Element	₹ N/A	١		
	Project Management	Name		Value	
		Author		kpm2	
		Create	Date Time	31-Oct-2014 13:07:46	
Quality Score	Fair				
Quality Reason	Problem		Suggestion		
	Name does not contain glo	ssary terms	Define name as term in glossary		
Туре	Message				
Sequence Number	1.2.1.3.1.1				
Asynchronous	false	false			
Project Management	Name	Name		Value	
			kpm2		
			31-Oct-2014 13:07:46		
	Last Modified		31-Oct-2014 13:26:43		

### ■Alt: Refund Method

Name	Value				
Quality Score	Fair	Fair			
Quality Reason	Problem Suggestion				
	Name does not contain glossary terms Define name as term in glossary				
Operator Kind	alt				
Project Management	Name Value				
	Author kpm2				
	Create Date Time 31-Oct-2014 12:51:31				
	Last Modified	31-Oct-2014 13:07:23			

### **Interaction Operands**

Value	
Operand3	
Operand4	

#### **Covered LifeLines**

Name	Documentation
₹ N/A	
₹ N/A	
CreditCardProviderClient	

# **Operand3**

Name	Value	Value			
Quality Score	Fair	Fair			
Quality Reason	Problem	Problem		Suggestion	
	Name does not contain glossary terms		Define name as term in glossary		
Guard	Name	Value	Value		
	Constraint	Alt: Re	Alt: Refund Method		
	Project Management	Name		Value	
		Author		kpm2	
		Create		31-Oct-2014 12:51:49	
Project Management	Name	Name		Value	
	Author	Author		kpm2	
	Create Date Time	Create Date Time		31-Oct-2014 12:51:31	
	Last Modified	Last Modified		31-Oct-2014 13:07:23	

# **Operand4**

Name	Value			
Quality Score	Fair			
Quality Reason	Problem  Name does not contain glossary terms		Suggestion	
			Define name as term in glossary	
Guard	Name	Value		
	Project Management	Name Value		Value
		Author		kpm2
		Create Date Time		31-Oct-2014 12:51:32
Project Management	Name		Value	
	Author		kpm2	
	Create Date Time		31-Oct-2014 12:51:32	
	Last Modified		31-Oct-2014 13:08:22	

#### ■ N/A

Name	Value
	Polymorphism: Both PayPalClient and CreditCardProviderClient both implement the PaymentClient interface, allowing the method call flow for both to be identical.

Quality Score	Good		
Project Management	Name Value		
	Author	kpm2	
	Create Date Time	31-Oct-2014 13:10:28	
	Last Modified	31-Oct-2014 13:26:43	