

Model Report

Class Model

Version • Proposed



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Class Model

Package in package 'Model'

Class Model

Version Phase 1.0 Proposed

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Class Model diagram

Class diagram in package 'Class Model'

Class Model

Version 1.0

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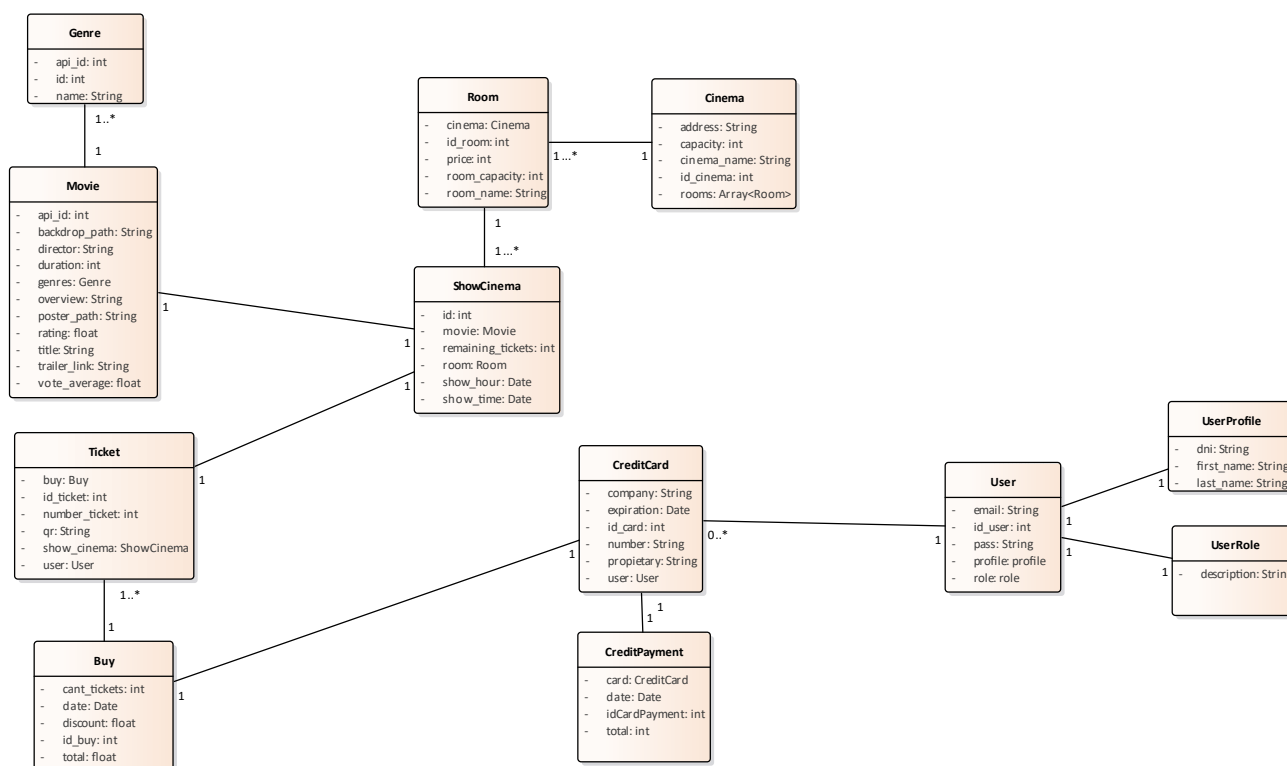


Figure 1: Class Model

System

Package in package 'Class Model'

System

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System diagram

Class diagram in package 'System'

System

Version 1.0

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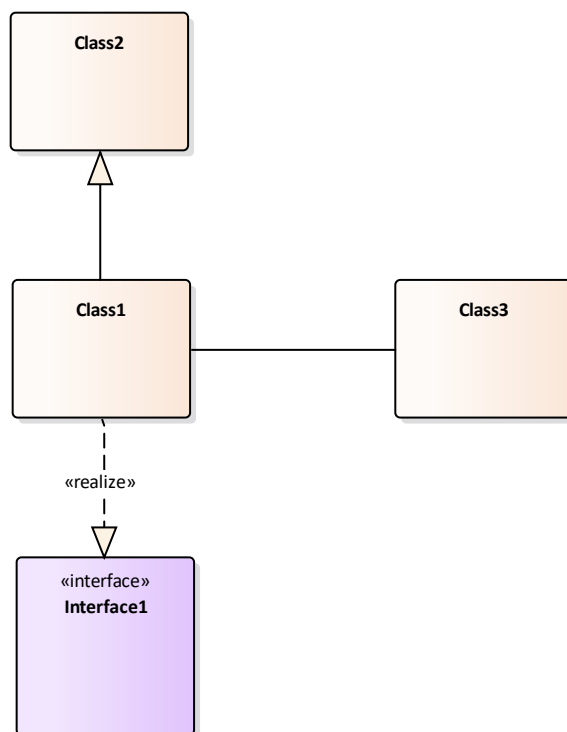


Figure 2: System

Class1

Class in package 'System'

Class1

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Extends Class2

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from Class1 to Class2

[Direction is 'Source -> Destination'.]

← Realization «realize» from Class1 to Interface1

[Direction is 'Source -> Destination'.]

ASSOCIATIONS

✍ Association (direction: Unspecified)

Source: Public (Class) Class1

Target: Public (Class) Class3

Class2

Class in package 'System'

Class2

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INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from Class1 to Class2

[Direction is 'Source -> Destination'.]

Class3

Class in package 'System'

Class3

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ASSOCIATIONS

 Association (direction: Unspecified)

Source: Public (Class) Class1

Target: Public (Class) Class3

Interface1

Interface in package 'System'

Interface1

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INCOMING STRUCTURAL RELATIONSHIPS

⇒ Realization «realize» from Class1 to Interface1

[Direction is 'Source -> Destination'.]

Frameworks

Package in package 'Class Model'

Frameworks
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Frameworks diagram

Class diagram in package 'Frameworks'

Frameworks
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Figure 3: Frameworks

Note

Note in package 'Frameworks'





Note
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Extends

Buy

Class in package 'Class Model'

Buy
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ATTRIBUTES	
 cant_tickets : int Private	[Is static False. Containment is Not Specified.]
 date : Date Private	[Is static False. Containment is Not Specified.]
 discount : float Private	[Is static False. Containment is Not Specified.]

ATTRIBUTES	
 id_buy : int Private	[Is static False. Containment is Not Specified.]
 total : float Private	[Is static False. Containment is Not Specified.]
ASSOCIATIONS	
 Association (direction: Unspecified)	
Source: Public (Class) Buy Cardinality: [1]	Target: Public (Class) Ticket Cardinality: [1..*]
 Association (direction: Unspecified)	
Source: Public (Class) CreditCard Cardinality: [1]	Target: Public (Class) Buy Cardinality: [1]

Cinema

Class in package 'Class Model'

Cinema
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ATTRIBUTES	
 address : String Private	[Is static False. Containment is Not Specified.]
 capacity : int Private	[Is static False. Containment is Not Specified.]
 cinema_name : String Private	[Is static False. Containment is Not Specified.]
 id_cinema : int Private	[Is static False. Containment is Not Specified.]
 rooms : Array<Room> Private	[Is static False. Containment is Not Specified.]
ASSOCIATIONS	
 Association (direction: Unspecified)	

ASSOCIATIONS

Source: Public (Class) Cinema
Cardinality: [1]

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

CreditCard


Class in package 'Class Model'

CreditCard


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ATTRIBUTES

 company : String Private


[Is static False. Containment is Not Specified.]

 expiration : Date Private


[Is static False. Containment is Not Specified.]

 id_card : int Private

[Is static False. Containment is Not Specified.]

 number : String Private

[Is static False. Containment is Not Specified.]

 proprietary : String Private

[Is static False. Containment is Not Specified.]

 user : User Private

[Is static False. Containment is Not Specified.]

ASSOCIATIONS

 Association (direction: Unspecified)

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

Target: Public (Class) User
Cardinality: [1]

 Association (direction: Unspecified)

Source: Public (Class) CreditCard
Cardinality: [1]

Target: Public (Class) Buy
Cardinality: [1]

 Association (direction: Unspecified)

Source: Public (Class) CreditPayment
Cardinality: [1]

Target: Public (Class) CreditCard
Cardinality: [1]

ASSOCIATIONS

CreditPayment

Class in package 'Class Model'

CreditPayment
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ATTRIBUTES

 card : CreditCard Private	[Is static False. Containment is Not Specified.]
 date : Date Private	[Is static False. Containment is Not Specified.]
 idCardPayment : int Private	[Is static False. Containment is Not Specified.]
 total : int Private	[Is static False. Containment is Not Specified.]

ASSOCIATIONS

 Association (direction: Unspecified)

Source: Public (Class) CreditPayment
Cardinality: [1]

Target: Public (Class) CreditCard
Cardinality: [1]

Genre

Class in package 'Class Model'

Genre
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ATTRIBUTES

 api_id : int Private	[Is static False. Containment is Not Specified.]
 id : int Private	[Is static False. Containment is Not Specified.]










ATTRIBUTES	
 name : String Private	[Is static False. Containment is Not Specified.]





ASSOCIATIONS	
 Association (direction: Unspecified)	
Source: Public (Class) Genre Cardinality: [1..*]	Target: Public (Class) Movie Cardinality: [1]

Movie

Class in package 'Class Model'

Movie
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ATTRIBUTES	
 api_id : int Private	[Is static False. Containment is Not Specified.]
 backdrop_path : String Private	[Is static False. Containment is Not Specified.]
 director : String Private	[Is static False. Containment is Not Specified.]
 duration : int Private	[Is static False. Containment is Not Specified.]
 genres : Genre Private	[Is static False. Containment is Not Specified.]
 overview : String Private	[Is static False. Containment is Not Specified.]
 poster_path : String Private	[Is static False. Containment is Not Specified.]
 rating : float Private	[Is static False. Containment is Not Specified.]
 title : String Private	[Is static False. Containment is Not Specified.]

ATTRIBUTES	
 trailer_link : String Private	[Is static False. Containment is Not Specified.]
 vote_average : float Private	[Is static False. Containment is Not Specified.]
ASSOCIATIONS	
 Association (direction: Unspecified)	
Source: Public (Class) Movie Cardinality: [1]	Target: Public (Class) ShowCinema Cardinality: [1]
 Association (direction: Unspecified)	
Source: Public (Class) Genre Cardinality: [1..*]	Target: Public (Class) Movie Cardinality: [1]

Room

Class in package 'Class Model'

Room
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ATTRIBUTES	
 cinema : Cinema Private	[Is static False. Containment is Not Specified.]
 id_room : int Private	[Is static False. Containment is Not Specified.]
 price : int Private	[Is static False. Containment is Not Specified.]
 room_capacity : int Private	[Is static False. Containment is Not Specified.]
 room_name : String Private	[Is static False. Containment is Not Specified.]
ASSOCIATIONS	



ASSOCIATIONS	
 Association (direction: Unspecified)	
Source: Public (Class) Room Cardinality: [1]	Target: Public (Class) ShowCinema Cardinality: [1...*]
 Association (direction: Unspecified)	
Source: Public (Class) Cinema Cardinality: [1]	Target: Public (Class) Room Cardinality: [1...*]


ShowCinema

Class in package 'Class Model'

ShowCinema
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ATTRIBUTES	
 id : int Private	[Is static False. Containment is Not Specified.]
 movie : Movie Private	[Is static False. Containment is Not Specified.]
 remaining_tickets : int Private	[Is static False. Containment is Not Specified.]
 room : Room Private	[Is static False. Containment is Not Specified.]
 show_hour : Date Private	[Is static False. Containment is Not Specified.]
 show_time : Date Private	[Is static False. Containment is Not Specified.]

ASSOCIATIONS	
 Association (direction: Unspecified)	
Source: Public (Class) Room Cardinality: [1]	Target: Public (Class) ShowCinema Cardinality: [1...*]
 Association (direction: Unspecified)	
Source: Public (Class) Ticket	Target: Public (Class) ShowCinema



ASSOCIATIONS	
Cardinality: [1]	Cardinality: [1]
 Association (direction: Unspecified)	
Source: Public (Class) Movie Cardinality: [1]	Target: Public (Class) ShowCinema Cardinality: [1]

Ticket

Class in package 'Class Model'

Ticket
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ATTRIBUTES	
 buy : Buy Private	[Is static False. Containment is Not Specified.]
 id_ticket : int Private	[Is static False. Containment is Not Specified.]
 number_ticket : int Private	[Is static False. Containment is Not Specified.]
 qr : String Private	[Is static False. Containment is Not Specified.]
 show_cinema : ShowCinema Private	[Is static False. Containment is Not Specified.]
 user : User Private	[Is static False. Containment is Not Specified.]




ASSOCIATIONS	
 Association (direction: Unspecified)	
Source: Public (Class) Ticket Cardinality: [1]	Target: Public (Class) ShowCinema Cardinality: [1]
 Association (direction: Unspecified)	
Source: Public (Class) Buy Cardinality: [1]	Target: Public (Class) Ticket Cardinality: [1..*]

User

Class in package 'Class Model'

User
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ATTRIBUTES	
 email : String Private	[Is static False. Containment is Not Specified.]
 id_user : int Private	[Is static False. Containment is Not Specified.]
 pass : String Private	[Is static False. Containment is Not Specified.]
 profile : profile Private	[Is static False. Containment is Not Specified.]
 role : role Private	[Is static False. Containment is Not Specified.]



ASSOCIATIONS	
 Association (direction: Unspecified)	
Source: Public (Class) UserRole Cardinality: [1]	Target: Public (Class) User Cardinality: [1]
 Association (direction: Unspecified)	
Source: Public (Class) UserProfile Cardinality: [1]	Target: Public (Class) User Cardinality: [1]
 Association (direction: Unspecified)	
Source: Public (Class) CreditCard Cardinality: [0..*]	Target: Public (Class) User Cardinality: [1]

UserProfile


Class in package 'Class Model'

UserProfile
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ELEMENTS OWNED BY UserProfile
 Association : Association
ATTRIBUTES
 dni : String Private

[Is static False. Containment is Not Specified.]

 first_name : String Private

[Is static False. Containment is Not Specified.]

 last_name : String Private

[Is static False. Containment is Not Specified.]

ASSOCIATIONS
 Association (direction: Unspecified)

 Source: Public (Class) UserProfile
 Cardinality: [1]

 Target: Public (Class) User
 Cardinality: [1]

Association


Association owned by 'UserProfile', in package 'Class Model'

Association
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UserRole

Class in package 'Class Model'

UserRole
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ATTRIBUTES
 description : String Private

[Is static False. Containment is Not Specified.]

ASSOCIATIONS
 Association (direction: Unspecified)

ASSOCIATIONS	
Source: Public (Class) UserRole Cardinality: [1]	Target: Public (Class) User Cardinality: [1]

Association

Association in package 'Class Model'

Association
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