

Model Report

Modelo de clases

Version 1.0 • Proposed



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1 Modelo de clases

Package in package 'Model'

Modelo de clases
Version 1.0 Phase 1.0 Proposed
User created on 20/11/2018. Last modified 20/11/2018

1.1 Config

Package in package 'Modelo de clases'

Config
Version 1.0 Phase 1.0 Proposed
Melisa created on 23/11/2018. Last modified 23/11/2018

1.1.1 Config diagram

Class diagram in package 'Config'

Config
Version 1.0
Melisa created on 23/11/2018. Last modified 23/11/2018

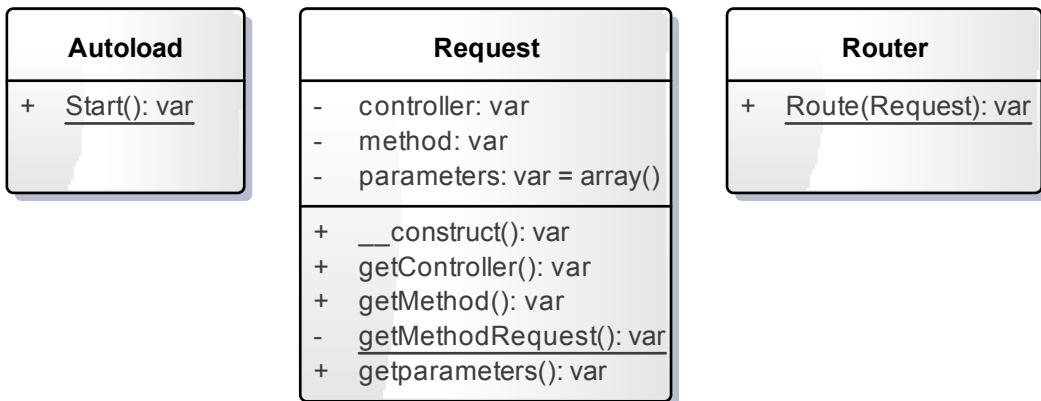


Figure 1: Config

1.1.2 Autoload

Class in package 'Config'

Autoload
Version 1.0 Phase 1.0 Proposed
Melisa created on 23/11/2018. Last modified 23/11/2018

OPERATIONS	
Start () : var Public	[Is static True. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.1.3 Request

Class in package 'Config'

Request
Version 1.0 Phase 1.0 Proposed
Melisa created on 23/11/2018. Last modified 23/11/2018

ATTRIBUTES	
◆ controller : var Private	[Is static False. Containment is Not Specified.]
◆ method : var Private	[Is static False. Containment is Not Specified.]
◆ parameters : var Private = array()	[Is static False. Containment is Not Specified.]

OPERATIONS	
◆ __construct () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getController () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getMethod () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getMethodRequest () : var Private	[Is static True. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getparameters () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.1.4 Router

Class in package 'Config'

Router
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OPERATIONS	
◆ Route (request : Request) : var Public	[Is static True. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.2 Controllers

Package in package 'Modelo de clases'

Controllers
Version 1.0 Phase 1.0 Proposed
Melisa created on 23/11/2018. Last modified 23/11/2018

1.2.1 Controllers diagram

Class diagram in package 'Controllers'

Controllers
Version 1.0
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Figure 2: Controllers

1.2.2 Cross

Package in package 'Controllers'

Cross
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1.2.2.1 Cross diagram

Class diagram in package 'Cross'

Cross
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Figure 3: Cross

1.2.2.2 CartHelper

Class in package 'Cross'

CartHelper
Version 1.0 Phase 1.0 Proposed
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OPERATIONS
<ul style="list-style-type: none"> ◆ addPurchaseLine (idSeatsByEvent : var) : var Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.2.3 AccountController

Class in package 'Controllers'

AccountController
Version 1.0 Phase 1.0 Proposed
Melisa created on 23/11/2018. Last modified 23/11/2018

ATTRIBUTES
<ul style="list-style-type: none"> ◆ clientDao : var Private [Is static False. Containment is Not Specified.]

ATTRIBUTES	
◆ userDao : var Private	[Is static False. Containment is Not Specified.]
OPERATIONS	
◆ __construct () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ accountView () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ addUser (username : var , password : var , email : var , name : var , lastname : var , dni : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ changeEmail (newEmail : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ changePassword (password : var , newPassword : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ index () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ registerCreditCard (creditCardNumber : var , expirationDate : var , cardHolder : var , redirect : var) : var Public	This in the future should have an api that validates credit cards [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ registerUser () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ sessionClose () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ sessionStart (username : var , password : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ viewPurchases () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ viewRegisterCreditCard (redirect : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ viewTicket (ticketCode : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.2.4 AdminController

Class in package 'Controllers'

AdminController
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Melisa created on 23/11/2018. Last modified 23/11/2018

OPERATIONS	
◆ __construct () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ index () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.2.5 ArtistManagementController*Class in package 'Controllers'*

ArtistManagementController
Version 1.0 Phase 1.0 Proposed
Melisa created on 23/11/2018. Last modified 23/11/2018

ATTRIBUTES	
◆ artistDao : var Private	[Is static False. Containment is Not Specified.]
◆ folder : var Private = "Management/Artist"	[Is static False. Containment is Not Specified.]

OPERATIONS	
◆ __construct () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ addArtist (name : var , lastname : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ artistList () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ deleteArtist (idArtist : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ editArtist (oldIdArtist : var , name : var , lastname : var) : var Public	Recieve modified attributes for object Artist and old object by id, call dao update [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ index () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

OPERATIONS	
◆ viewAddArtist () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ viewEditArtist (idArtist : var) : var Public	Recieve id of Artist to edit, retrieve by DAO for displaying in the forms, then after the modifications sends them to this->editArtist [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.2.6 CategoryManagementController

Class in package 'Controllers'

CategoryManagementController
Version 1.0 Phase 1.0 Proposed
Melisa created on 23/11/2018. Last modified 23/11/2018

ATTRIBUTES	
◆ categoryDao : var Private	[Is static False. Containment is Not Specified.]
◆ folder : var Private = "Management/Category/"	[Is static False. Containment is Not Specified.]

OPERATIONS	
◆ __construct () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ addCategory (categoryName : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ categoryList () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ deleteCategory (idCategory : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ editCategory (oldIdCategory : var , category : var) : var Public	Recieve modified attributes for object Category and old object by id, call dao update [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ index () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ viewAddCategory () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

OPERATIONS

❖ viewEditCategory (idCategory : var) : var Public

Recieve id of Category to edit, retrieve by DAO for displaying in the forms, then after the modifications sends them to this->editCategory

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.2.7 CheckSalesByDateOrCategoryController

Class in package 'Controllers'

CheckSalesByDateOrCategoryController

Version 1.0 Phase 1.0 Proposed

Melisa created on 23/11/2018. Last modified 23/11/2018

ATTRIBUTES

◆ purchaseLineDao : var Private

[Is static False. Containment is Not Specified.]

OPERATIONS

❖ __construct () : var Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

❖ getTotalByCategory () : var Private

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

❖ index () : var Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.2.8 CheckSalesByEventController

Class in package 'Controllers'

CheckSalesByEventController

Version 1.0 Phase 1.0 Proposed

Melisa created on 23/11/2018. Last modified 23/11/2018

ATTRIBUTES

◆ eventDao : var Private

[Is static False. Containment is Not Specified.]

OPERATIONS

❖ __construct () : var Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

OPERATIONS

◆ index () : var Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.2.9 ClientManagementController*Class in package 'Controllers'*

ClientManagementController
Version 1.0 Phase 1.0 Proposed
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ATTRIBUTES

◆ categoryDao : var Private

[Is static False. Containment is Not Specified.]

◆ clientDao : var Private

[Is static False. Containment is Not Specified.]

◆ folder : var Private = "Management/Client/"

[Is static False. Containment is Not Specified.]

OPERATIONS

◆ __construct () : var Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ clientList () : var Public

```
public function addClient($name, $lastname, $dni, $idUser) { try{ $client = new Client(); $clientAttributes = $client->getAll(); $args = func_get_args(); array_unshift($args, null); //put null at first of array for id array_pop($args); $clientAttributeList = array_combine(array_keys($clientAttributes),array_values($args)); //get an array with atribues from object and another with function parameters, then combine it foreach ($clientAttributeList as $attribute => $value) { $client->__set($attribute,$value); } $user = $this->userDao->getById($idUser); $client->setUser($user); $this->clientDao->Add($client); echo "<script> alert('Cliente agregado exitosamente');</script>"; }catch (Exception $ex){ echo "<script> alert('No se pudo agregar el cliente. ". str_replace(array("\r","\n",""), "", $ex->getMessage()) . ");</script>"; } $this->index(); }
```

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ deleteClient (id : var) : var Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ index () : var Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.2.10 EventByDateManagementController*Class in package 'Controllers'*

EventByDateManagementController

ATTRIBUTES	
◆ artistDao : var Private	[Is static False. Containment is Not Specified.]
◆ eventByDateDao : var Private	[Is static False. Containment is Not Specified.]
◆ eventDao : var Private	[Is static False. Containment is Not Specified.]
◆ folder : var Private = "Management/EventByDate/"	[Is static False. Containment is Not Specified.]
◆ theaterDao : var Private	[Is static False. Containment is Not Specified.]
OPERATIONS	
◆ __construct () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ addEventByDate (idEvent : var , date : var , idTheater : var , idArtistList : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ deleteEventByDate (idEventByDate : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ editEventByDate (oldIdEventByDate : var , idEvent : var , date : var , idTheater : var , idArtistList : var) : var Public	Recieve modified attributes for object EventByDate and old object by id, call dao update [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ eventByDateList () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ index () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ viewAddEventByDate () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ viewEditEventByDate (idEventByDate : var) : var Public	Recieve id of EventByDate to edit, retrieve by DAO for displaying in the forms, then after the modifications sends them to this->editEventByDate [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.2.11 EventManagementController

Class in package 'Controllers'

EventManagementController
Version 1.0 Phase 1.0 Proposed
Melisa created on 23/11/2018. Last modified 23/11/2018

ATTRIBUTES	
◆ categoryDao : var Private	[Is static False. Containment is Not Specified.]
◆ eventDao : var Private	[Is static False. Containment is Not Specified.]
◆ folder : var Private = "Management/Event"	[Is static False. Containment is Not Specified.]

OPERATIONS	
◆ __construct () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ addEvent (eventName : var , description : var , idCategory : var) : var Public	
Not using exist check, on purpose	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ deleteEvent (id : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ editEvent (oldIdEvent : var , eventName : var , description : var , idCategory : var) : var Public	
Recieve modified attributes for object Event and old object by id, call dao update	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ eventList () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ index () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ viewAddEvent () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ viewEditEvent (idEvent : var) : var Public	
Recieve id of Event to edit, retrieve by DAO for displaying in the forms, then after the modifications sends them to this->editEvent	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.2.12 HomeController

Class in package 'Controllers'

HomeController
Version 1.0 Phase 1.0 Proposed
Melisa created on 23/11/2018. Last modified 23/11/2018

ATTRIBUTES

◆ categoryDao : var Private	[Is static False. Containment is Not Specified.]
◆ eventsDao : var Private	[Is static False. Containment is Not Specified.]

OPERATIONS

◆ __construct () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ index () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ notFound () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.2.13 PurchaseController

Class in package 'Controllers'

PurchaseController
Version 1.0 Phase 1.0 Proposed
Melisa created on 23/11/2018. Last modified 23/11/2018

ATTRIBUTES

◆ artistDao : var Private	[Is static False. Containment is Not Specified.]
◆ clientDao : var Private	[Is static False. Containment is Not Specified.]
◆ eventByDateDao : var Private	[Is static False. Containment is Not Specified.]
◆ eventDao : var Private	[Is static False. Containment is Not Specified.]
◆ purchaseDao : var Private	[Is static False. Containment is Not Specified.]

ATTRIBUTES	
◆ purchaseLineDao : var	Private [Is static False. Containment is Not Specified.]
◆ seatsByEventDao : var	Private [Is static False. Containment is Not Specified.]
◆ theaterDao : var	Private [Is static False. Containment is Not Specified.]
◆ ticketDao : var	Private [Is static False. Containment is Not Specified.]
OPERATIONS	
◆ __construct () : var	Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ addPurchaseLine (quantity : var, idSeatsByEvent : var) : var	Public Checks if user is logged, if it's not asks to login, redirecting back to this method [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ completePurchase () : var	Public store purchase, purchaseLines, and tickets [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ confirmPurchase () : var	Public Shows view with purchase data checks if theres a creditCard asosiated with client [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getCategoryList () : var	Public Returns array with events by category, used in navbar categories as key [Is static True. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ index (idEvent : var) : var	Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ removePurchaseLine (indexPurchaseLine : var) : var	Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ searchByArtist (artistString : var) : var	Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ showEventByDates (idEvent : var, idTheater : var) : var	Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

OPERATIONS	
◆ showEventByDatesByArtist (idArtist : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ showSeatsByEvent (idEvent : var , idTheater : var , idEventByDate : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ showTickets (idPurchase : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ viewCart () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.2.14 SeatTypeManagementController

Class in package 'Controllers'

SeatTypeManagementController
Version 1.0 Phase 1.0 Proposed
Melisa created on 23/11/2018. Last modified 23/11/2018

ATTRIBUTES	
◆ folder : var Private = "Management/SeatType/"	[Is static False. Containment is Not Specified.]
◆ seatTypeDao : var Private	[Is static False. Containment is Not Specified.]

OPERATIONS	
◆ __construct () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ addSeatType (name : var , description : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ deleteSeatType (idSeatType : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ editSeatType (oldIdSeatType : var , name : var , description : var) : var Public	Recieve modified attributes for object SeatType and old object by id, call dao update [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ index () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ seatTypeList () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

OPERATIONS	
◆ viewAddSeatType () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ viewEditSeatType (idSeatType : var) : var Public	Recieve id of SeatType to edit, retrieve by DAO for diplaying in the forms, then after the modifications sends them to this->editSeatType [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.2.15 SeatsByEventManagementController

Class in package 'Controllers'

SeatsByEventManagementController
Version 1.0 Phase 1.0 Proposed
Melisa created on 23/11/2018. Last modified 23/11/2018

ATTRIBUTES	
◆ artistDao : var Private	[Is static False. Containment is Not Specified.]
◆ eventDao : var Private	[Is static False. Containment is Not Specified.]
◆ folder : var Private = "Management/SeatsByEvent/"	[Is static False. Containment is Not Specified.]
◆ seatsByEventDao : var Private	[Is static False. Containment is Not Specified.]
◆ seatTypeDao : var Private	[Is static False. Containment is Not Specified.]
◆ theaterDao : var Private	[Is static False. Containment is Not Specified.]

OPERATIONS	
◆ __construct () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ addSeatsByEvent (eventById : var , seatTypeId : var , quantity : var , price : var) : var Public	Now only adding one seat at a time [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ deleteSeatsByEvent (idSeatsByEvent : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

OPERATIONS	
◆ editSeatsByEvent (oldIdSeatsByEvent : var , seatsByEvent : var) : var Public	
Recieve modified attributes for object SeatsByEvent and old object by id, call dao update	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ index () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ seatsByEventList () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ viewAddSeatsByEvent () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ viewEditSeatsByEvent (eventName : var , theaterData : var , idSeatsByEvent : var) : var Public	
Recieve id of SeatsByEvent to edit, retrieve by DAO for displaying in the forms, then after the modifications sends them to this->editSeatsByEvent	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.2.16 TheaterManagementController

Class in package 'Controllers'

TheaterManagementController
 Version 1.0 Phase 1.0 Proposed
 Melisa created on 23/11/2018. Last modified 23/11/2018

ATTRIBUTES	
◆ folder : var Private = "Management/Theater/"	[Is static False. Containment is Not Specified.]
◆ seatTypeDao : var Private	[Is static False. Containment is Not Specified.]
◆ theaterDao : var Private	[Is static False. Containment is Not Specified.]

OPERATIONS	
◆ __construct () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ addTheater (theaterName : var , location : var , address : var , maxCapacity : var , idSeatTypeList : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ deleteTheater (id : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

OPERATIONS	
◆ editTheater (oldIdTheater : var , theaterName : var , location : var , address : var , maxCapacity : var , idSeatTypeList : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ index () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ theaterList () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ viewAddTheater () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ viewEditTheater (idTheater : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.2.17 UserManagementController

Class in package 'Controllers'

UserManagementController
 Version 1.0 Phase 1.0 Proposed
 Melisa created on 23/11/2018. Last modified 23/11/2018

ATTRIBUTES	
◆ folder : var Private = "Management/User/"	[Is static False. Containment is Not Specified.]
◆ userDao : var Private	[Is static False. Containment is Not Specified.]

OPERATIONS	
◆ __construct () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ addUser (userName : var , password : var , email : var , role : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ deleteUser (idUser : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ editUser (oldIdUser : var , user : var , email : var , role : var) : var Public	
Recieve modified attributes for object User and old object by id, call dao update	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

OPERATIONS	
◆ index () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ userList () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ viewAddUser () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ viewEditUser (idUser : var) : var Public	<p>Recieve id of User to edit, retrieve by DAO for diplaying in the forms, then after the modifications sends them to this->editUser</p> <p>[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>

1.3 Cross

Package in package 'Modelo de clases'

Cross
Version 1.0 Phase 1.0 Proposed
Melisa created on 23/11/2018. Last modified 23/11/2018

1.3.1 Cross diagram

Class diagram in package 'Cross'

Cross
Version 1.0
Melisa created on 23/11/2018. Last modified 23/11/2018

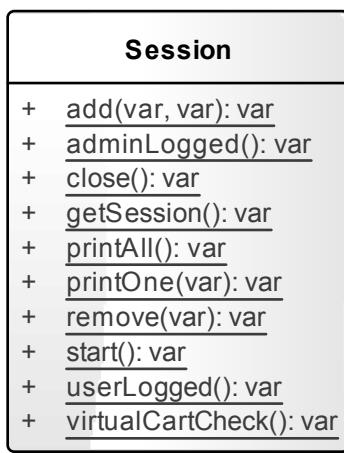


Figure 4: Cross

1.3.2 Session

Class in package 'Cross'

Session
Version 1.0 Phase 1.0 Proposed
Melisa created on 23/11/2018. Last modified 23/11/2018

OPERATIONS	
◆	add (key : var , value : var) : var Public [Is static True. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆	adminLogged () : var Public [Is static True. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆	close () : var Public [Is static True. Is abstract False. Is return array False. Is query False. Is synchronized False.]

OPERATIONS	
◆ getSession () : var Public	[Is static True. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ printAll () : var Public	[Is static True. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ printOne (key : var) : var Public	[Is static True. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ remove (key : var) : var Public	[Is static True. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ start () : var Public	[Is static True. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ userLogged () : var Public	-----Custom methods----- [Is static True. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ virtualCartCheck () : var Public	[Is static True. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.4 Dao

Package in package 'Modelo de clases'

Dao
Version 1.0 Phase 1.0 Proposed
Melisa created on 23/11/2018. Last modified 23/11/2018

1.4.1 Dao diagram

Class diagram in package 'Dao'

Dao
Version 1.0
Melisa created on 23/11/2018. Last modified 23/11/2018

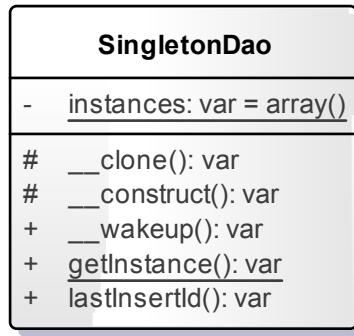


Figure 5: Dao

1.4.2 BD

Package in package 'Dao'

BD
Version 1.0 Phase 1.0 Proposed
Melisa created on 23/11/2018. Last modified 23/11/2018

1.4.2.1 BD diagram

Class diagram in package 'BD'

BD
Version 1.0
Melisa created on 23/11/2018. Last modified 23/11/2018

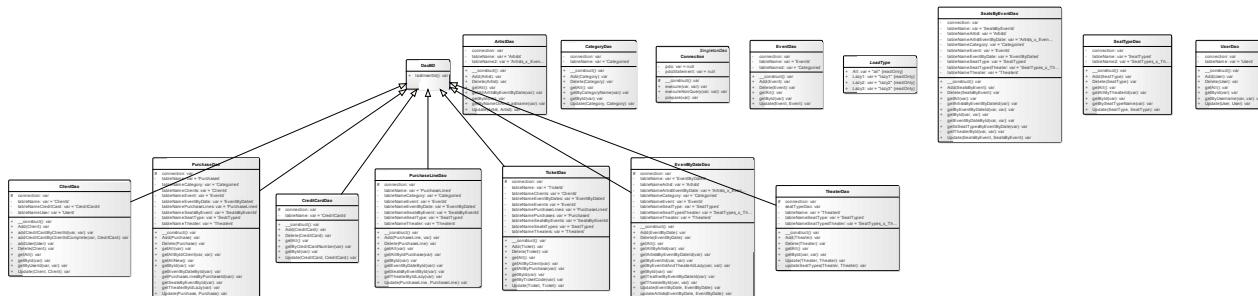


Figure 6: BD

1.4.2.2 ArtistDao

Class in package 'BD'

ArtistDao
Version 1.0 Phase 1.0 Proposed
Melisa created on 23/11/2018. Last modified 23/11/2018

OUTGOING STRUCTURAL RELATIONSHIPS	
↳ Realization from ArtistDao to IArtistDao	[Direction is 'Source -> Destination'.]
ATTRIBUTES	
◆ connection : var Private	[Is static False. Containment is Not Specified.]
◆ tableName : var Private = 'Artists'	[Is static False. Containment is Not Specified.]
◆ tableName2 : var Private = 'Artists_x_EventByDate'	[Is static False. Containment is Not Specified.]
OPERATIONS	
◆ __construct () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Add (artist : Artist) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Delete (artist : Artist) : var Public	
Logical Delete	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getAll () : var Public	
>Returns all Artists as an array of Artists	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getAllArtitsByEventByDate (idEvent : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getById (idArtist : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

OPERATIONS	
◆ getByNameOrAndLastname (nameOrAndLastname : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Update (oldArtist : Artist , newArtist : Artist) : var Public	Updates values that are different from the ones received in the object Artist [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.4.2.3 CategoryDao

Class in package 'BD'

CategoryDao
Version 1.0 Phase 1.0 Proposed
Melissa created on 23/11/2018. Last modified 23/11/2018

OUTGOING STRUCTURAL RELATIONSHIPS	
↳ Realization from CategoryDao to ICategoryDao	[Direction is 'Source -> Destination'.]

ATTRIBUTES	
◆ connection : var Private	[Is static False. Containment is Not Specified.]
◆ tableName : var Private = 'Categories'	[Is static False. Containment is Not Specified.]

OPERATIONS	
◆ __construct () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Add (category : Category) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Delete (category : Category) : var Public	Logical Delete [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getAll () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getByCategoryName (categoryName : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

OPERATIONS	
◆ <code>getById (idCategory : var) : var Public</code>	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ <code>Update (oldCategory : Category, newCategory : Category) : var Public</code>	Updates values that are different from the ones received in the object Category [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.4.2.4 ClientDao

Class in package 'BD'

ClientDao
Version 1.0 Phase 1.0 Proposed
Melissa created on 23/11/2018. Last modified 23/11/2018
Extends DaoBD

OUTGOING STRUCTURAL RELATIONSHIPS	
↳ Generalization from ClientDao to DaoBD	[Direction is 'Source -> Destination'.]
↳ Realization from ClientDao to IClientDao	[Direction is 'Source -> Destination'.]

ATTRIBUTES	
◆ <code>connection : var Protected</code>	[Is static False. Containment is Not Specified.]
◆ <code>tableName : var Private = 'Clients'</code>	[Is static False. Containment is Not Specified.]
◆ <code>tableNameCreditCard : var Private = 'CreditCards'</code>	[Is static False. Containment is Not Specified.]
◆ <code>tableNameUser : var Private = 'Users'</code>	[Is static False. Containment is Not Specified.]

OPERATIONS	
◆ <code>__construct () : var Public</code>	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ <code>Add (client : Client) : var Public</code>	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ <code>addCreditCardByClientId (idClient : var, idCreditCard : var) : var Public</code>	Sets id of CreditCard only

OPERATIONS	
[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]	
◆ addCreditCardByClientIdComplete (idClient : var , creditCard : CreditCard) : var Public Adds object CreditCard [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]	
◆ addUser (user : User) : var Private [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]	
◆ Delete (client : Client) : var Public Logical Delete [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]	
◆ getAll () : var Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]	
◆ getById (idClient : var) : var Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]	
◆ getByUserId (idUser : var , load : var) : var Public Lazy1: Return only client [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]	
◆ Update (oldClient : Client , newClient : Client) : var Public Updates values that are different from the ones received in the object Client [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]	

1.4.2.5 Connection

Class in package 'BD'

Connection
 Version 1.0 Phase 1.0 Proposed
 Melisa created on 23/11/2018. Last modified 23/11/2018
 Extends SingletonDao

OUTGOING STRUCTURAL RELATIONSHIPS	
 Generalization from Connection to SingletonDao	[Direction is 'Source -> Destination'.]
ATTRIBUTES	
◆ pdo : var Private = null [Is static False. Containment is Not Specified.]	

ATTRIBUTES	
◆ pdoStatement : var Private = null	[Is static False. Containment is Not Specified.]

OPERATIONS	
◆ __construct () : var Protected	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ execute (query : var , parameters : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ executeNonQuery (query : var , parameters : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ prepare (query : var) : var Private	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.4.2.6 CreditCardDao

Class in package 'BD'

CreditCardDao
Version 1.0 Phase 1.0 Proposed
Melisa created on 23/11/2018. Last modified 23/11/2018
Extends DaoBD

OUTGOING STRUCTURAL RELATIONSHIPS	
◀ Realization from CreditCardDao to ICreditCardDao	[Direction is 'Source -> Destination'.]
◀ Generalization from CreditCardDao to DaoBD	[Direction is 'Source -> Destination'.]

ATTRIBUTES	
◆ connection : var Protected	[Is static False. Containment is Not Specified.]
◆ tableName : var Private = 'CreditCards'	[Is static False. Containment is Not Specified.]

OPERATIONS	
◆ __construct () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

OPERATIONS	
◆ Add (creditCard : CreditCard) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Delete (creditCard : CreditCard) : var Public	
Logical Delete	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getAll () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getByCreditCardNumber (creditCardNumber : var) : var Public	
used to check if there's a card already in BD	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getById (idClient : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Update (oldCreditCard : CreditCard, newCreditCard : CreditCard) : var Public	
Updates values that are different from the ones received in the object CreditCard	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.4.2.7 DaoBD

Class in package 'BD'

DaoBD
Version 1.0 Phase 1.0 Proposed
Melisa created on 23/11/2018. Last modified 23/11/2018

INCOMING STRUCTURAL RELATIONSHIPS	
⇒ Generalization from ClientDao to DaoBD	[Direction is 'Source -> Destination'.]
⇒ Generalization from PurchaseDao to DaoBD	[Direction is 'Source -> Destination'.]
⇒ Generalization from TheaterDao to DaoBD	[Direction is 'Source -> Destination'.]
⇒ Generalization from TicketDao to DaoBD	[Direction is 'Source -> Destination'.]
⇒ Generalization from PurchaseLineDao to DaoBD	[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS	
➡ Generalization from EventByDateDao to DaoBD	[Direction is 'Source -> Destination'.]
➡ Generalization from CreditCardDao to DaoBD	[Direction is 'Source -> Destination'.]

OPERATIONS	
◆ lastInsertId () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.4.2.8 EventByDateDao

Class in package 'BD'

EventByDateDao
Version 1.0 Phase 1.0 Proposed
Melisa created on 23/11/2018. Last modified 23/11/2018
Extends DaoBD

OUTGOING STRUCTURAL RELATIONSHIPS	
◀ Realization from EventByDateDao to IEventByDateDao	[Direction is 'Source -> Destination'.]
◀ Generalization from EventByDateDao to DaoBD	[Direction is 'Source -> Destination'.]

ATTRIBUTES	
◆ connection : var Protected	[Is static False. Containment is Not Specified.]
◆ tableName : var Private = 'EventByDates'	[Is static False. Containment is Not Specified.]
◆ tableNameArtist : var Private = 'Artists'	[Is static False. Containment is Not Specified.]
◆ tableNameArtistEventByDate : var Private = 'Artists_x_EventByDate'	[Is static False. Containment is Not Specified.]
◆ tableNameCategory : var Private = 'Categories'	[Is static False. Containment is Not Specified.]
◆ tableNameEvent : var Private = 'Events'	[Is static False. Containment is Not Specified.]

ATTRIBUTES	
◆ tableNameSeatType : var Private = 'SeatTypes'	[Is static False. Containment is Not Specified.]
◆ tableNameSeatTypesTheater : var Private = 'SeatTypes_x_Theater'	[Is static False. Containment is Not Specified.]
◆ tableNameTheater : var Private = 'Theaters'	[Is static False. Containment is Not Specified.]
OPERATIONS	
◆ __construct () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Add (eventByDate : EventByDate) : var Public	Add to tables EventByDates and Artists_x_EventByDate [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Delete (eventByDate : EventByDate) : var Public	Logical Delete [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getAll () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getAllByArtist (idArtist : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getArtistsByEventById (idEventByDate : var) : var Private	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getByIdEventId (idEvent : var , load : var) : var Public	lazy1: Omit Event and Category, and SeatTypes for Theater [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getByEventIdAndTheaterIdLazy (idEvent : var , idTheater : var) : var Public	Omit Event and Category, and Theater no complete method need, so only this one was written [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getByIdEventByDate (idEventByDate : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getTeatherByEventById (idEventByDate : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

OPERATIONS	
❖ getTheaterById (idTheater : var , load : var) : var Private	
Lazy1: omit SeatTypes	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
❖ Update (oldEventByDate : EventByDate , newEventByDate : EventByDate) : var Public	
Updates values that are different from the ones received in the object EventByDate	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
❖ updateArtists (oldEventByDate : EventByDate , newEventByDate : EventByDate) : var Private	
	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.4.2.9 EventDao

Class in package 'BD'

EventDao
Version 1.0 Phase 1.0 Proposed
Melisa created on 23/11/2018. Last modified 23/11/2018

OUTGOING STRUCTURAL RELATIONSHIPS	
↳ Realization from EventDao to IEventDao	[Direction is 'Source -> Destination'.]
ATTRIBUTES	
❖ connection : var Private	[Is static False. Containment is Not Specified.]
❖ tableName : var Private = 'Events'	[Is static False. Containment is Not Specified.]
❖ tableName2 : var Private = 'Categories'	[Is static False. Containment is Not Specified.]

OPERATIONS	
❖ __construct () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
❖ Add (event : Event) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
❖ Delete (event : Event) : var Public	
Logical Delete	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

OPERATIONS	
◆ getAll () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getById (idEvent : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Update (oldEvent : Event , newEvent : Event) : var Public	Updates values that are different from the ones received in the object Event [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.4.2.10 LoadType

Class in package 'BD'

LoadType
Version 1.0 Phase 1.0 Proposed
Melisa created on 23/11/2018. Last modified 23/11/2018

ATTRIBUTES	
◆ All : var Public Const = "all"	[Is static False. Containment is Not Specified.]
◆ Lazy1 : var Public Const = "lazy1"	[Is static False. Containment is Not Specified.]
◆ Lazy2 : var Public Const = "lazy2"	[Is static False. Containment is Not Specified.]
◆ Lazy3 : var Public Const = "lazy3"	[Is static False. Containment is Not Specified.]

1.4.2.11 PurchaseDao

Class in package 'BD'

PurchaseDao
Version 1.0 Phase 1.0 Proposed
Melisa created on 23/11/2018. Last modified 23/11/2018
Extends DaoBD

OUTGOING STRUCTURAL RELATIONSHIPS	
↳ Generalization from PurchaseDao to DaoBD	[Direction is 'Source -> Destination'.]
↳ Realization from PurchaseDao to IPurchaseDao	[Direction is 'Source -> Destination'.]

ATTRIBUTES	
◆ connection : var Protected	[Is static False. Containment is Not Specified.]
◆ tableName : var Private = 'Purchases'	[Is static False. Containment is Not Specified.]
◆ tableNameCategory : var Private = 'Categories'	[Is static False. Containment is Not Specified.]
◆ tableNameClients : var Private = 'Clients'	[Is static False. Containment is Not Specified.]
◆ tableNameEvent : var Private = 'Events'	[Is static False. Containment is Not Specified.]
◆ tableNameEventByDate : var Private = 'EventByDates'	[Is static False. Containment is Not Specified.]
◆ tableNamePurchaseLines : var Private = 'PurchaseLines'	[Is static False. Containment is Not Specified.]
◆ tableNameSeatsByEvent : var Private = 'SeatsByEvents'	[Is static False. Containment is Not Specified.]
◆ tableNameSeatType : var Private = 'SeatTypes'	[Is static False. Containment is Not Specified.]
◆ tableNameTheater : var Private = 'Theaters'	[Is static False. Containment is Not Specified.]

OPERATIONS	
◆ __construct () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Add (purchase : Purchase) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Delete (purchase : Purchase) : var Public	
Logical Delete	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getAll (load : var) : var Public	
lazy1: only purchase object	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

OPERATIONS	
◆ getAllByIdClient (idClient : var , load : var) : var Public	
lazy1: only purchase object	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getAllNew () : var Public	
no client returned, maybe this will be deprecated currently not used	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getById (idPurchase : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getEventById (idEventByDate : var) : var Private	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getPurchaseLinesByPurchaseId (idPurchase : var) : var Private	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getSeatsByEventById (idSeatsByEvent : var) : var Private	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getTheaterByIdLazy (idTheater : var) : var Private	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Update (oldPurchase : Purchase , newPurchase : Purchase) : var Public	
Updates values that are different from the ones received in the object Purchase	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.4.2.12 PurchaseLineDao

Class in package 'BD'

PurchaseLineDao
Version 1.0 Phase 1.0 Proposed
Melissa created on 23/11/2018. Last modified 23/11/2018
Extends DaoBD

OUTGOING STRUCTURAL RELATIONSHIPS	
↳ Realization from PurchaseLineDao to IPurchaseLineDao	[Direction is 'Source -> Destination'.]
↳ Generalization from PurchaseLineDao to DaoBD	[Direction is 'Source -> Destination'.]
ATTRIBUTES	

◆ connection : var Protected	[Is static False. Containment is Not Specified.]
◆ tableName : var Private = 'PurchaseLines'	[Is static False. Containment is Not Specified.]
◆ tableNameCategory : var Private = 'Categories'	[Is static False. Containment is Not Specified.]
◆ tableNameEvent : var Private = 'Events'	[Is static False. Containment is Not Specified.]
◆ tableNameEventByDate : var Private = 'EventByDates'	[Is static False. Containment is Not Specified.]
◆ tableNameSeatsByEvent : var Private = 'SeatsByEvents'	[Is static False. Containment is Not Specified.]
◆ tableNameSeatType : var Private = 'SeatTypes'	[Is static False. Containment is Not Specified.]
◆ tableNameTheater : var Private = 'Theaters'	[Is static False. Containment is Not Specified.]

OPERATIONS

◆ __construct () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Add (purchaseLine : PurchaseLine , idPurchase : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Delete (PurchaseLine : PurchaseLine) : var Public	
Logical Delete	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getAll (load : var) : var Public	
default: no theater seatTypes lazy1: no theater, no artists	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getAllByIdPurchase (idPurchase : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getById (idPurchaseLine : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

OPERATIONS	
◆ getEventById (idEventById : var) : var Private	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getSeatsByEventById (idSeatsByEvent : var) : var Private	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getTheaterByIdLazy (idTheater : var) : var Private	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Update (oldPurchaseLine : PurchaseLine , newPurchaseLine : PurchaseLine) : var Public	Updates values that are different from the ones received in the object Event [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.4.2.13 SeatTypeDao

Class in package 'BD'

SeatTypeDao
Version 1.0 Phase 1.0 Proposed
Melisa created on 23/11/2018. Last modified 23/11/2018

OUTGOING STRUCTURAL RELATIONSHIPS	
↳ Realization from SeatTypeDao to ISeatTypeDao	[Direction is 'Source -> Destination'.]
ATTRIBUTES	
◆ connection : var Private	[Is static False. Containment is Not Specified.]
◆ tableName : var Private = 'SeatTypes'	[Is static False. Containment is Not Specified.]
◆ tableName2 : var Private = 'SeatTypes_x_Theater'	[Is static False. Containment is Not Specified.]

OPERATIONS	
◆ __construct () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Add (seatType : SeatType) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Delete (seatType : SeatType) : var Public	Logical Delete [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

OPERATIONS	
◆ getAll () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getAllByTheaterId (idTheater : var) : var Public	Retruns array of all SeatTypes associated to a Theater [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getById (idSeatType : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getBySeatTypeName (seatTypeName : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Update (oldSeatType : SeatType , newSeatType : SeatType) : var Public	Updates values that are different from the ones received in the object SeatType [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.4.2.14 SeatsByEventDao

Class in package 'BD'

SeatsByEventDao
Version 1.0 Phase 1.0 Proposed
Melisa created on 23/11/2018. Last modified 23/11/2018

OUTGOING STRUCTURAL RELATIONSHIPS	
◀ Realization from SeatsByEventDao to ISeatsByEventDao	[Direction is 'Source -> Destination'.]
ATTRIBUTES	
◆ connection : var Private	[Is static False. Containment is Not Specified.]
◆ tableName : var Private = 'SeatsByEvents'	[Is static False. Containment is Not Specified.]
◆ tableNameArtist : var Private = 'Artists'	[Is static False. Containment is Not Specified.]
◆ tableNameArtistEventByDate : var Private = 'Artists_x_EventByDate'	[Is static False. Containment is Not Specified.]
◆ tableNameCategory : var Private = 'Categories'	[Is static False. Containment is Not Specified.]

ATTRIBUTES	
◆ tableNameEvent : var Private = 'Events'	[Is static False. Containment is Not Specified.]
◆ tableNameEventByDate : var Private = 'EventByDates'	[Is static False. Containment is Not Specified.]
◆ tableNameSeatType : var Private = 'SeatTypes'	[Is static False. Containment is Not Specified.]
◆ tableNameSeatTypesTheater : var Private = 'SeatTypes_x_Theater'	[Is static False. Containment is Not Specified.]
◆ tableNameTheater : var Private = 'Theaters'	[Is static False. Containment is Not Specified.]

OPERATIONS	
◆ __construct () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Add (seatsByEvent : SeatsByEvent) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Delete (seatsByEvent : SeatsByEvent) : var Public	
Logical Delete	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getAll (load : var) : var Public	
Lazy1: Theater without SeatTypes	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getArtistsByEventById (idEventByDate : var) : var Private	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getByIdEventByDateId (idEventByDate : var, load : var) : var Public	
Lazy1: Theater without SeatTypes Lazy2: omit eventByDate	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getById (idSeatsByEvent : var, load : var) : var Public	
Lazy1: Theater without SeatTypes lazy2: omit EventByDate lazy3: SeatsByEvent only	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getEventByDateById (idEventByDate : var, load : var) : var Private	
Lazy1: Theater without SeatTypes	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

OPERATIONS	
❖ getIdSeatTypesByEventByDate (idEventByDate : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
❖ getTheaterById (idTheater : var , load : var) : var Private	
Lazy1: omit SeatTypes	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
❖ Update (oldSeatsByEvent : SeatsByEvent , newSeatsByEvent : SeatsByEvent) : var Public	
Updates values that are different from the ones received in the object SeatsByEvent	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.4.2.15 TheaterDao

Class in package 'BD'

TheaterDao
 Version 1.0 Phase 1.0 Proposed
 Melisa created on 23/11/2018. Last modified 23/11/2018
 Extends DaoBD

OUTGOING STRUCTURAL RELATIONSHIPS	
↳ Realization from TheaterDao to ITheaterDao	[Direction is 'Source -> Destination'.]
↳ Generalization from TheaterDao to DaoBD	[Direction is 'Source -> Destination'.]

ATTRIBUTES	
◆ connection : var Protected	[Is static False. Containment is Not Specified.]
◆ seatTypeDao : var Private	[Is static False. Containment is Not Specified.]
◆ tableName : var Private = 'Theaters'	[Is static False. Containment is Not Specified.]
◆ tableNameSeatType : var Private = 'SeatTypes'	[Is static False. Containment is Not Specified.]
◆ tableNameSeatTypesTheater : var Private = 'SeatTypes_x_Theater'	[Is static False. Containment is Not Specified.]

OPERATIONS	
------------	--

◆ __construct () : var Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Add (theater : Theater) : var Public Add Theater and all SeatTypes inside it to second table [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Delete (theater : Theater) : var Public Logical Delete [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getAll () : var Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getById (idTheater : var , load : var) : var Public lazy load = no seatTypes [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Update (oldTheater : Theater , newTheater : Theater) : var Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ updateSeatTypes (oldTheater : Theater , newTheater : Theater) : var Private Checks difference in seatTypes, adds, and removes if neccesary [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.4.2.16 TicketDao

Class in package 'BD'

TicketDao
Version 1.0 Phase 1.0 Proposed
Melisa created on 23/11/2018. Last modified 23/11/2018
Extends DaoBD

OUTGOING STRUCTURAL RELATIONSHIPS
↳ Generalization from TicketDao to DaoBD [Direction is 'Source -> Destination'.]
↳ Realization from TicketDao to ITicketDao [Direction is 'Source -> Destination'.]
ATTRIBUTES
◆ connection : var Protected [Is static False. Containment is Not Specified.]

ATTRIBUTES	
◆ tableName : var Private = 'Tickets'	[Is static False. Containment is Not Specified.]
◆ tableNameClients : var Private = 'Clients'	[Is static False. Containment is Not Specified.]
◆ tableNameEventByDates : var Private = 'EventByDates'	[Is static False. Containment is Not Specified.]
◆ tableNameEvents : var Private = 'Events'	[Is static False. Containment is Not Specified.]
◆ tableNamePurchaseLines : var Private = 'PurchaseLines'	[Is static False. Containment is Not Specified.]
◆ tableNamePurchases : var Private = 'Purchases'	[Is static False. Containment is Not Specified.]
◆ tableNameSeatsByEvents : var Private = 'SeatsByEvents'	[Is static False. Containment is Not Specified.]
◆ tableNameSeatsTypes : var Private = 'SeatTypes'	[Is static False. Containment is Not Specified.]
◆ tableNameTheaters : var Private = 'Theaters'	[Is static False. Containment is Not Specified.]

OPERATIONS	
◆ __construct () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Add (ticket : Ticket) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Delete (ticket : Ticket) : var Public	
Logical Delete	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getAll () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getAllByClient (idClient : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getAllByPurchase (idPurchase : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

OPERATIONS	
◆ getById (idTicket : var) : var Public	used in old version of qrCode [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getByTicketCode (ticketCode : var) : var Public	Used for qrCode [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Update (oldTicket : Ticket, newTicket : Ticket) : var Public	Updates values that are different from the ones received in the object Ticket [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.4.2.17 UserDao

Class in package 'BD'

UserDao
Version 1.0 Phase 1.0 Proposed
Melisa created on 23/11/2018. Last modified 23/11/2018

OUTGOING STRUCTURAL RELATIONSHIPS	
◀ Realization from UserDao to IUserDao	[Direction is 'Source -> Destination'.]
ATTRIBUTES	
◆ connection : var Private	[Is static False. Containment is Not Specified.]
◆ tableName : var Private = 'Users'	[Is static False. Containment is Not Specified.]

OPERATIONS	
◆ __construct () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Add (user : User) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Delete (user : User) : var Public	Logical Delete [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getAll () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

OPERATIONS
◆ getById (idUser : var) : var Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getByUsername (username : var , type : var) : var Public Return even deleted usernames Type: enabled default, disabled, returns logical deleted entries [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Update (oldUser : User , newUser : User) : var Public Updates values that are different from the ones received in the object User [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.4.3 Interfaces

Package in package 'Dao'

Interfaces
Version 1.0 Phase 1.0 Proposed
Melisa created on 23/11/2018. Last modified 23/11/2018

1.4.3.1 Interfaces diagram

Class diagram in package 'Interfaces'

Interfaces
Version 1.0
Melisa created on 23/11/2018. Last modified 23/11/2018

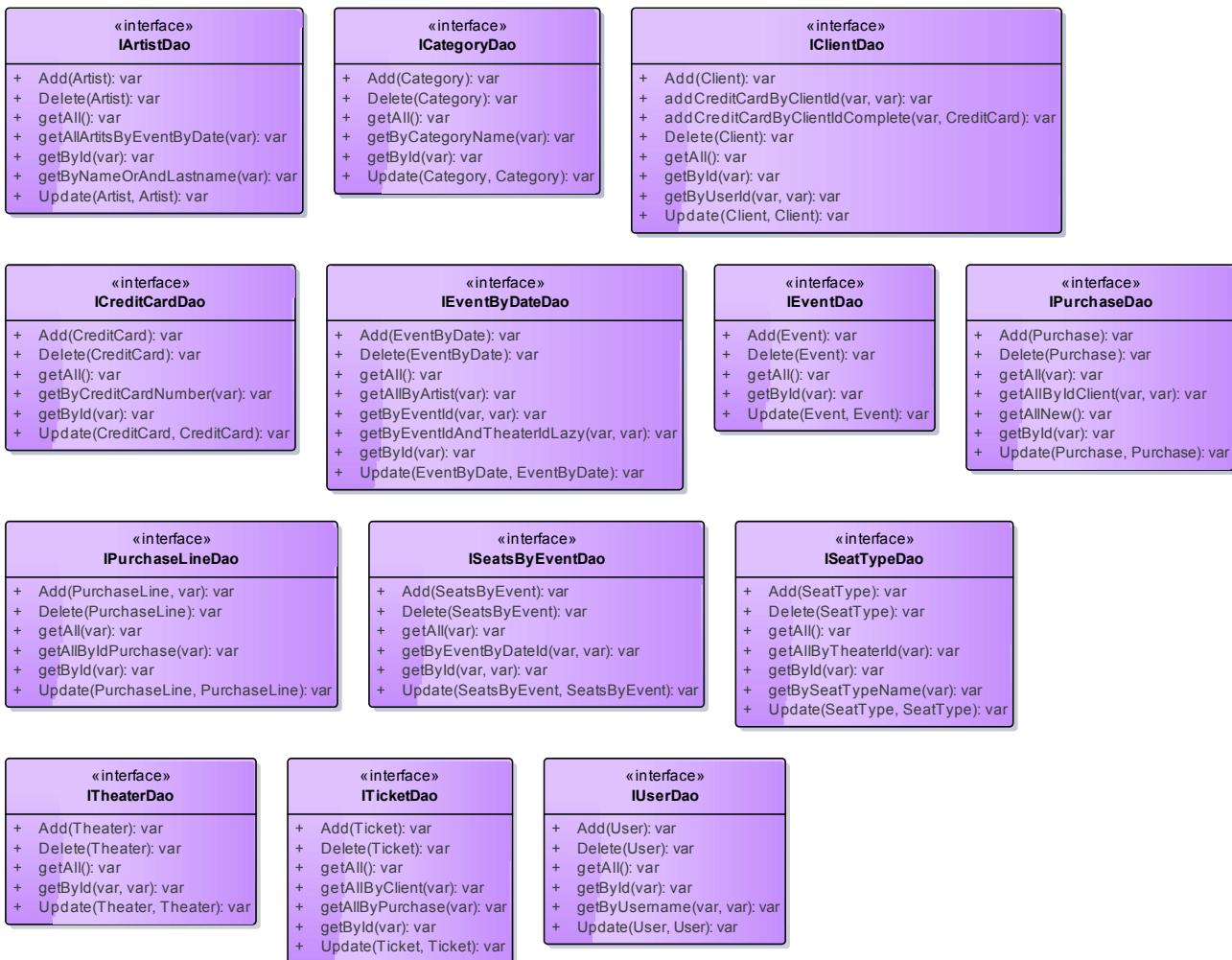


Figure 7: Interfaces

1.4.3.2 IArtistDao

Interface in package 'Interfaces'

IArtistDao
Version 1.0 Phase 1.0 Proposed
Melisa created on 23/11/2018. Last modified 23/11/2018

INCOMING STRUCTURAL RELATIONSHIPS	
⇒ Realization from ArtistDao to IArtistDao	[Direction is 'Source -> Destination'.]
OPERATIONS	
◆ Add (artist : Artist) : var Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]	
◆ Delete (artist : Artist) : var Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]	
◆ getAll () : var Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]	
◆ getAllArtitsByEventByDate (idEvent : var) : var Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]	
◆ getById (idArtist : var) : var Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]	
◆ getByNameOrAndLastname (nameOrAndLastname : var) : var Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]	
◆ Update (oldArtist : Artist, newArtist : Artist) : var Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]	

1.4.3.3 ICategoryDao

Interface in package 'Interfaces'

ICategoryDao
Version 1.0 Phase 1.0 Proposed
Melisa created on 23/11/2018. Last modified 23/11/2018

INCOMING STRUCTURAL RELATIONSHIPS	
⇒ Realization from CategoryDao to ICategoryDao	[Direction is 'Source -> Destination'.]
OPERATIONS	
◆ Add (category : Category) : var Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]	
◆ Delete (category : Category) : var Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]	

OPERATIONS	
◆ getAll () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getByName (categoryName : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getById (idCategory : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Update (oldCategory : Category , newCategory : Category) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.4.3.4 IClientDao

Interface in package 'Interfaces'

IClientDao
Version 1.0 Phase 1.0 Proposed
Melisa created on 23/11/2018. Last modified 23/11/2018

INCOMING STRUCTURAL RELATIONSHIPS	
OPERATIONS	
⇒ Realization from ClientDao to IClientDao	[Direction is 'Source -> Destination'.]
◆ Add (client : Client) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ addCreditCardByClientId (idClient : var , idCreditCard : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ addCreditCardByClientIdComplete (idClient : var , creditCard : CreditCard) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Delete (client : Client) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getAll () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getById (idClient : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getByUserId (idUser : var , load : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

OPERATIONS

- ◆ Update (oldClient : Client , newClient : Client) : var Public
[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.4.3.5 ICreditCardDao*Interface in package 'Interfaces'*

ICreditCardDao
Version 1.0 Phase 1.0 Proposed
Melisa created on 23/11/2018. Last modified 23/11/2018

INCOMING STRUCTURAL RELATIONSHIPS

- ⇒ Realization from CreditCardDao to ICreditCardDao
[Direction is 'Source -> Destination'.]

OPERATIONS

- ◆ Add (creditCard : CreditCard) : var Public
[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
- ◆ Delete (creditCard : CreditCard) : var Public
[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
- ◆ getAll () : var Public
[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
- ◆ getByCreditCardNumber (creditCardNumber : var) : var Public
[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
- ◆ getById (idClient : var) : var Public
[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
- ◆ Update (oldCreditCard : CreditCard , newCreditCard : CreditCard) : var Public
[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.4.3.6 IEventByDateDao*Interface in package 'Interfaces'*

IEventByDateDao
Version 1.0 Phase 1.0 Proposed
Melisa created on 23/11/2018. Last modified 23/11/2018

INCOMING STRUCTURAL RELATIONSHIPS

- ⇒ Realization from EventByDateDao to IEventByDateDao
[Direction is 'Source -> Destination'.]

OPERATIONS	
◆ Add (eventByDate : EventByDate) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Delete (eventByDate : EventByDate) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getAll () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getAllByArtist (idArtist : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getByEventId (idEvent : var, load : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getByIdEventAndTheaterLazy (idEvent : var, idTheater : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getById (idEventByDate : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Update (oldEventByDate : EventByDate, newEventByDate : EventByDate) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.4.3.7 IEventDao

Interface in package 'Interfaces'

IEventDao
 Version 1.0 Phase 1.0 Proposed
 Melisa created on 23/11/2018. Last modified 23/11/2018

INCOMING STRUCTURAL RELATIONSHIPS	
⇒ Realization from EventDao to IEventDao	
[Direction is 'Source -> Destination'.]	
OPERATIONS	
◆ Add (event : Event) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Delete (event : Event) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getAll () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

OPERATIONS	
◆ getById (idEvent : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Update (oldEvent : Event, newEvent : Event) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.4.3.8 IPurchaseDao

Interface in package 'Interfaces'

IPurchaseDao
Version 1.0 Phase 1.0 Proposed
Melisa created on 23/11/2018. Last modified 23/11/2018

INCOMING STRUCTURAL RELATIONSHIPS	
OPERATIONS	
⇒ Realization from PurchaseDao to IPurchaseDao	[Direction is 'Source -> Destination'.]
◆ Add (purchase : Purchase) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Delete (purchase : Purchase) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getAll (load : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getAllByIdClient (idClient : var, load : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getAllNew () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getById (idPurchase : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Update (oldPurchase : Purchase, newPurchase : Purchase) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.4.3.9 IPurchaseLineDao

Interface in package 'Interfaces'

IPurchaseLineDao
Version 1.0 Phase 1.0 Proposed

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Realization from PurchaseLineDao to IPurchaseLineDao

[Direction is 'Source -> Destination'.]

OPERATIONS

◆ Add (purchaseLine : PurchaseLine , idPurchase : var) : var Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ Delete (purchaseLine : PurchaseLine) : var Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ getAll (load : var) : var Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ getAllByIdPurchase (idPurchase : var) : var Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ getById (idPurchaseLine : var) : var Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ Update (oldPurchaseLine : PurchaseLine , newPurchaseLine : PurchaseLine) : var Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.4.3.10 ISeatTypeDao

Interface in package 'Interfaces'

ISeatTypeDao

Version 1.0 Phase 1.0 Proposed

Melisa created on 23/11/2018. Last modified 23/11/2018

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Realization from SeatTypeDao to ISeatTypeDao

[Direction is 'Source -> Destination'.]

OPERATIONS

◆ Add (seatType : SeatType) : var Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ Delete (seatType : SeatType) : var Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ getAll () : var Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

OPERATIONS	
◆	getAllByTheaterId (idTheater : var) : var Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆	getById (idSeatType : var) : var Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆	getBySeatTypeName (seatTypeName : var) : var Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆	Update (oldSeatType : SeatType , newSeatType : SeatType) : var Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.4.3.11 ISeatsByEventDao

Interface in package 'Interfaces'

ISeatsByEventDao
Version 1.0 Phase 1.0 Proposed
Melisa created on 23/11/2018. Last modified 23/11/2018

INCOMING STRUCTURAL RELATIONSHIPS	
OPERATIONS	
⇒	Realization from SeatsByEventDao to ISeatsByEventDao [Direction is 'Source -> Destination'.]
◆	Add (seatsByEvent : SeatsByEvent) : var Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆	Delete (seatsByEvent : SeatsByEvent) : var Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆	getAll (load : var) : var Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆	getByEventById (idEventByDate : var , load : var) : var Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆	getById (idSeatsByEvent : var , load : var) : var Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆	Update (oldSeatsByEvent : SeatsByEvent , newSeatsByEvent : SeatsByEvent) : var Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.4.3.12 ITheaterDao

Interface in package 'Interfaces'

ITheaterDao
Version 1.0 Phase 1.0 Proposed
Melisa created on 23/11/2018. Last modified 23/11/2018

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Realization from TheaterDao to ITheaterDao

[Direction is 'Source -> Destination'.]

OPERATIONS

◆ Add (theater : Theater) : var Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ Delete (theater : Theater) : var Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ getAll () : var Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ getById (idTheater : var, load : var) : var Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ Update (oldTheater : Theater, newTheater : Theater) : var Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.4.3.13 ITicketDao*Interface in package 'Interfaces'*

ITicketDao
Version 1.0 Phase 1.0 Proposed
Melisa created on 23/11/2018. Last modified 23/11/2018

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Realization from TicketDao to ITicketDao

[Direction is 'Source -> Destination'.]

OPERATIONS

◆ Add (ticket : Ticket) : var Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ Delete (ticket : Ticket) : var Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ getAll () : var Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

OPERATIONS	
◆	getAllByClient (idClient : var) : var Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆	getAllByPurchase (idPurchase : var) : var Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆	getById (idTicket : var) : var Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆	Update (oldTicket : Ticket, newTicket : Ticket) : var Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.4.3.14 I UserDao

Interface in package 'Interfaces'

I UserDao
Version 1.0 Phase 1.0 Proposed
Melisa created on 23/11/2018. Last modified 23/11/2018

INCOMING STRUCTURAL RELATIONSHIPS	
OPERATIONS	
⇒	Realization from UserDao to I UserDao [Direction is 'Source -> Destination'.]
◆	Add (user : User) : var Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆	Delete (user : User) : var Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆	getAll () : var Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆	getById (idUser : var) : var Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆	getByUsername (username : var, type : var) : var Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆	Update (oldUser : User, newUser : User) : var Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.4.4 Json

Package in package 'Dao'

Json
Version 1.0 Phase 1.0 Proposed
Melisa created on 23/11/2018. Last modified 23/11/2018

1.4.4.1 Json diagram

Class diagram in package 'Json'

Json
Version 1.0
Melisa created on 23/11/2018. Last modified 23/11/2018



Figure 8: Json

1.4.4.2 ArtistList

Class in package 'Json'

ArtistList
Version 1.0 Phase 1.0 Proposed
Melisa created on 23/11/2018. Last modified 23/11/2018

ATTRIBUTES
<p>◆ <code>file : var Protected = JSONFOLDER."Artists.json"</code> [Is static False. Containment is Not Specified.]</p>
OPERATIONS
<p>◆ <code>Add (artist : Artist) : var Public</code> Get list from file, and an object and then serilize it and store it again [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p> <p>◆ <code>Delete (var : var) : var Public</code> [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>

OPERATIONS	
◆ getAll () : var Public	Returns a complete list of Artists stored in artists.json [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getById (idArtist : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Update (oldArtist : Artist , newArtist : Artist) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.4.4.3 Json

Class in package 'Json'

Json
Version 1.0 Phase 1.0 Proposed
Melisa created on 23/11/2018. Last modified 23/11/2018

OPERATIONS	
◆ Deserialize (fileName : var) : var Public	Opens filename and returns the json string, deserilizing and casting to be done by each list [Is static True. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Serialize (list : var , fileName : var) : var Public	Recieves an array to json serialize and a filename for where to store it [Is static True. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.4.5 SingletonDao

Class in package 'Dao'

```
class SingletonDao { protected static $instance = null; public static function getInstance() { $cls = get_called_class(); // late-static-bound class name if (!isset(self::$instance[$cls])) { self::$instance[$cls] = new static; } return self::$instance[$cls]; } }
```

SingletonDao
Version 1.0 Phase 1.0 Proposed
Melisa created on 23/11/2018. Last modified 23/11/2018

INCOMING STRUCTURAL RELATIONSHIPS	
⇒ Generalization from Connection to SingletonDao	[Direction is 'Source -> Destination'.]

ATTRIBUTES

◆ instances : var Private = array()
[Is static True. Containment is Not Specified.]

OPERATIONS

◆ __clone () : var Protected
[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ __construct () : var Protected
[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ __wakeup () : var Public
[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ getInstance () : var Public
[Is static True. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ lastInsertId () : var Public
[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.5 Models

Package in package 'Modelo de clases'

Models
Version 1.0 Phase 1.0 Proposed
Melisa created on 23/11/2018. Last modified 23/11/2018

1.5.1 Models diagram

Class diagram in package 'Models'

Models
Version 1.0
Melisa created on 23/11/2018. Last modified 23/11/2018

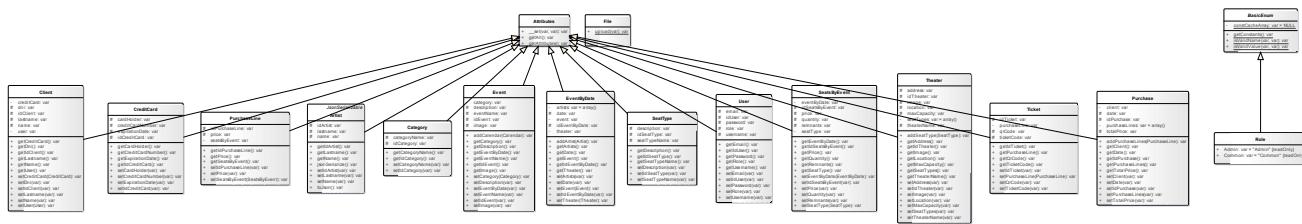


Figure 9: Models

1.5.2 Artist

Class in package 'Models'

Artist
Version 1.0 Phase 1.0 Proposed
Melisa created on 23/11/2018. Last modified 23/11/2018
Extends Attributes, JsonSerializerable

OUTGOING STRUCTURAL RELATIONSHIPS	
⬅ Generalization from Artist to Attributes	[Direction is 'Source -> Destination'.]

ATTRIBUTES	
◆ idArtist : var Protected	[Is static False. Containment is Not Specified.]
◆ lastname : var Protected	[Is static False. Containment is Not Specified.]
◆ name : var Protected	[Is static False. Containment is Not Specified.]

OPERATIONS	
------------	--

◆ getIdArtist () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getLastname () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getName () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ jsonSerialize () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setIdArtist (idArtist : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setLastname (lastname : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setName (name : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ toJson () : var Public	The Bad //alternative to JsonSerializable interface, deprecated [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.5.3 Attributes

Class in package 'Models'

Attributes
Version 1.0 Phase 1.0 Proposed
Melisa created on 23/11/2018. Last modified 23/11/2018

INCOMING STRUCTURAL RELATIONSHIPS	
⇒ Generalization from Artist to Attributes	[Direction is 'Source -> Destination'.]
⇒ Generalization from SeatType to Attributes	[Direction is 'Source -> Destination'.]
⇒ Generalization from CreditCard to Attributes	[Direction is 'Source -> Destination'.]
⇒ Generalization from Theater to Attributes	[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS	
⇒ Generalization from EventByDate to Attributes	[Direction is 'Source -> Destination'.]
⇒ Generalization from Ticket to Attributes	[Direction is 'Source -> Destination'.]
⇒ Generalization from Purchase to Attributes	[Direction is 'Source -> Destination'.]
⇒ Generalization from Event to Attributes	[Direction is 'Source -> Destination'.]
⇒ Generalization from SeatsByEvent to Attributes	[Direction is 'Source -> Destination'.]
⇒ Generalization from Category to Attributes	[Direction is 'Source -> Destination'.]
⇒ Generalization from Client to Attributes	[Direction is 'Source -> Destination'.]
⇒ Generalization from User to Attributes	[Direction is 'Source -> Destination'.]
⇒ Generalization from PurchaseLine to Attributes	[Direction is 'Source -> Destination'.]

OPERATIONS	
◆ __set (attribute : var , value : var) : var Public	
Improved version that uses class own set methods	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getAll () : var Public	
Get array with attribute names as key, and attributes values as value. Only return protected attributes, useful for returning only what you want in this case only attributes that are not objects Public members: member_name Protected members: \0*\0member_name Private members: \0Class_name\0member_name	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getAttributes () : var Public	
Get array with attribute names only	[Is static True. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.5.4 BasicEnum

Class in package 'Models'

BasicEnum
Version 1.0 Phase 1.0 Proposed
Melisa created on 23/11/2018. Last modified 23/11/2018

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from Role to BasicEnum

[Direction is 'Source -> Destination'.]

ATTRIBUTES

◆ constCacheArray : var Private = NULL

[Is static True. Containment is Not Specified.]

OPERATIONS

◆ getConstants () : var Public

[Is static True. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ isValidName (name : var , strict : var) : var Public

[Is static True. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ isValidValue (value : var , strict : var) : var Public

[Is static True. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.5.5 Category

Class in package 'Models'

Category
Version 1.0 Phase 1.0 Proposed
Melisa created on 23/11/2018. Last modified 23/11/2018
Extends Attributes

OUTGOING STRUCTURAL RELATIONSHIPS

⇐ Generalization from Category to Attributes

[Direction is 'Source -> Destination'.]

ATTRIBUTES

◆ categoryName : var Protected

[Is static False. Containment is Not Specified.]

◆ idCategory : var Protected

[Is static False. Containment is Not Specified.]

OPERATIONS

◆ getCategoryName () : var Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

OPERATIONS	
◆ getIdCategory () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setCategoryName (categoryName : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setIdCategory (idCategory : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.5.6 Client

Class in package 'Models'

Client
Version 1.0 Phase 1.0 Proposed
Melisa created on 23/11/2018. Last modified 23/11/2018
Extends Attributes

OUTGOING STRUCTURAL RELATIONSHIPS	
↳ Generalization from Client to Attributes	[Direction is 'Source -> Destination'.]

ATTRIBUTES	
◆ creditCard : var Private	
CreditCard Class.	[Is static False. Containment is Not Specified.]
◆ dni : var Protected	[Is static False. Containment is Not Specified.]
◆ idClient : var Protected	[Is static False. Containment is Not Specified.]
◆ lastname : var Protected	[Is static False. Containment is Not Specified.]
◆ name : var Protected	[Is static False. Containment is Not Specified.]
◆ user : var Private	
User Class	[Is static False. Containment is Not Specified.]

OPERATIONS	
-------------------	--

◆ getCreditCard () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getDni () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getIdClient () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getLastname () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getName () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getUser () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setCreditCard (creditCard : CreditCard) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setDni (dni : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setIdClient (idClient : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setLastname (lastname : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setName (name : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setUser (user : User) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.5.7 CreditCard

Class in package 'Models'

CreditCard
 Version 1.0 Phase 1.0 Proposed
 Melisa created on 23/11/2018. Last modified 23/11/2018
 Extends Attributes

OUTGOING STRUCTURAL RELATIONSHIPS

OUTGOING STRUCTURAL RELATIONSHIPS	
↳ Generalization from CreditCard to Attributes	[Direction is 'Source -> Destination'.]
ATTRIBUTES	
◆ cardHolder : var Protected	[Is static False. Containment is Not Specified.]
◆ creditCardNumber : var Protected	[Is static False. Containment is Not Specified.]
◆ expirationDate : var Protected	[Is static False. Containment is Not Specified.]
◆ idCreditCard : var Protected	[Is static False. Containment is Not Specified.]
OPERATIONS	
◆ getCardHolder () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getCreditCardNumber () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getExpirationDate () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getIdCreditCard () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setCardHolder (cardHolder : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setCreditCardNumber (creditCardNumber : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setExpirationDate (expirationDate : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setIdCreditCard (idCreditCard : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.5.8 Event

Class in package 'Models'

Event

OUTGOING STRUCTURAL RELATIONSHIPS

↳ Generalization from Event to Attributes

[Direction is 'Source -> Destination'.]

ATTRIBUTES

◆ category : var Private

Class Category

[Is static False. Containment is Not Specified.]

◆ description : var Protected

[Is static False. Containment is Not Specified.]

◆ eventName : var Protected

[Is static False. Containment is Not Specified.]

◆ idEvent : var Protected

[Is static False. Containment is Not Specified.]

◆ image : var Protected

[Is static False. Containment is Not Specified.]

OPERATIONS

◆ addCalendar (calendar : Calendar) : var Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ getCategory () : var Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ getDescription () : var Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ getEventByDate () : var Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ getEventName () : var Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ getIdEvent () : var Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ getImage () : var Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

OPERATIONS	
◆ setCategory (category : Category) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setDescription (description : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setEventByDate (eventByDate : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setEventName (eventName : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setIdEvent (idEvent : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setImage (image : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.5.9 EventByDate

Class in package 'Models'

EventByDate
Version 1.0 Phase 1.0 Proposed
Melisa created on 23/11/2018. Last modified 23/11/2018
Extends Attributes

OUTGOING STRUCTURAL RELATIONSHIPS	
↳ Generalization from EventByDate to Attributes	[Direction is 'Source -> Destination'.]
ATTRIBUTES	
◆ artists : var Private = array()	[Is static False. Containment is Not Specified.]
◆ date : var Protected	[Is static False. Containment is Not Specified.]
◆ event : var Private	
Class Event	[Is static False. Containment is Not Specified.]
◆ idEventByDate : var Protected	[Is static False. Containment is Not Specified.]

ATTRIBUTES	
◆ theater : var Private	
Class Theater	
	[Is static False. Containment is Not Specified.]
OPERATIONS	
◆ addArtist (artist : Artist) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getArtists () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getDate () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getEvent () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getIdEventByDate () : var Public	Array of Class Artist protected \$seatsByEvents = array(); //Array of Class SeatsByEvent //this only if I want a bidirectional dependency [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getTheater () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setArtists (artists : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setDate (date : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setEvent (event : Event) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setIdEventByDate (idEventByDate : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setTheater (theater : Theater) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.5.10 File

Class in package 'Models'

OPERATIONS

❖ upload (file : var) : var Public

public static function upload(\$file, \$folder)

[Is static True. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.5.11 Purchase

Class in package 'Models'

Purchase
Version 1.0 Phase 1.0 Proposed
Melisa created on 23/11/2018. Last modified 23/11/2018
Extends Attributes

OUTGOING STRUCTURAL RELATIONSHIPS

◀ Generalization from Purchase to Attributes

[Direction is 'Source -> Destination'.]

ATTRIBUTES

❖ client : var Private

Class Client

[Is static False. Containment is Not Specified.]

❖ date : var Protected

[Is static False. Containment is Not Specified.]

❖ idPurchase : var Protected

[Is static False. Containment is Not Specified.]

❖ purchaseLines : var Private = array()

Array of Class PurcahseLine

[Is static False. Containment is Not Specified.]

❖ totalPrice : var Protected

[Is static False. Containment is Not Specified.]

OPERATIONS

❖ addPurchaseLines (purchaseLine : PurchaseLine) : var Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

❖ getClient () : var Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

OPERATIONS	
◆ getDate () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getIdPurchase () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getPurchaseLines () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getTotalPrice () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setClient (client : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setDate (date : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setIdPurchase (idPurchase : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setPurchaseLines (purchaseLines : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setTotalPrice (totalPrice : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.5.12 PurchaseLine

Class in package 'Models'

PurchaseLine
Version 1.0 Phase 1.0 Proposed
Melisa created on 23/11/2018. Last modified 23/11/2018
Extends Attributes

OUTGOING STRUCTURAL RELATIONSHIPS	
↳ Generalization from PurchaseLine to Attributes	[Direction is 'Source -> Destination'.]
ATTRIBUTES	
◆ idPurchaseLine : var Protected	[Is static False. Containment is Not Specified.]
◆ price : var Protected	
This is a inherited value from SteasByEvent	[Is static False. Containment is Not Specified.]

ATTRIBUTES
<p>◆ seatsByEvent : var Private Class SeatsByEvent. [Is static False. Containment is Not Specified.]</p>

OPERATIONS
<p>◆ getIdPurchaseLine () : var Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>
<p>◆ getPrice () : var Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>
<p>◆ getSeatsByEvent () : var Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>
<p>◆ setIdPurchaseLine (idPurchaseLine : var) : var Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>
<p>◆ setPrice (price : var) : var Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>
<p>◆ setSeatsByEvent (seatsByEvent : SeatsByEvent) : var Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>

1.5.13 Role

Class in package 'Models'

Role
Version 1.0 Phase 1.0 Proposed
Melisa created on 23/11/2018. Last modified 23/11/2018
Extends BasicEnum

OUTGOING STRUCTURAL RELATIONSHIPS
<p>↳ Generalization from Role to BasicEnum [Direction is 'Source -> Destination'.]</p>

ATTRIBUTES
<p>◆ Admin : var Public Const = "Admin" [Is static False. Containment is Not Specified.]</p>
<p>◆ Common : var Public Const = "Common" [Is static False. Containment is Not Specified.]</p>

1.5.14 SeatType

Class in package 'Models'

SeatType
Version 1.0 Phase 1.0 Proposed
Melisa created on 23/11/2018. Last modified 23/11/2018
Extends Attributes

OUTGOING STRUCTURAL RELATIONSHIPS

↳ Generalization from SeatType to Attributes

[Direction is 'Source -> Destination'.]

ATTRIBUTES

◆ description : var Protected

[Is static False. Containment is Not Specified.]

◆ idSeatType : var Protected

[Is static False. Containment is Not Specified.]

◆ seatTypeName : var Protected

[Is static False. Containment is Not Specified.]

OPERATIONS

◆ getDescription () : var Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ getIdSeatType () : var Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ getSeatTypeName () : var Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ setDescription (description : var) : var Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ setIdSeatType (idSeatType : var) : var Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ setSeatTypeName (seatTypeName : var) : var Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.5.15 SeatsByEvent

Class in package 'Models'

Type of seat of the event, prices and availability.

SeatsByEvent

Version 1.0 Phase 1.0 Proposed
 Melisa created on 23/11/2018. Last modified 23/11/2018
 Extends Attributes

OUTGOING STRUCTURAL RELATIONSHIPS

↳ Generalization from SeatsByEvent to Attributes

[Direction is 'Source -> Destination'.]

ATTRIBUTES

◆ eventByDate : var Private

Class EventByDate

[Is static False. Containment is Not Specified.]

◆ idSeatsByEvent : var Protected

[Is static False. Containment is Not Specified.]

◆ price : var Protected

[Is static False. Containment is Not Specified.]

◆ quantity : var Protected

[Is static False. Containment is Not Specified.]

◆ remnants : var Protected

This is a self calculated value.

[Is static False. Containment is Not Specified.]

◆ seatType : var Private

Class SeatType.

[Is static False. Containment is Not Specified.]

OPERATIONS

◆ getEventByDate () : var Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ getIdSeatsByEvent () : var Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ getPrice () : var Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ getQuantity () : var Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ getRemnants () : var Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

OPERATIONS	
◆ getSeatType () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setEventByDate (eventByDate : EventByDate) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setIdSeatsByEvent (idSeatsByEvent : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setPrice (price : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setQuantity (quantity : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setRemnents (remnents : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setSeatType (seatType : SeatType) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.5.16 Theater

Class in package 'Models'

Theater
 Version 1.0 Phase 1.0 Proposed
 Melisa created on 23/11/2018. Last modified 23/11/2018
 Extends Attributes

OUTGOING STRUCTURAL RELATIONSHIPS	
↳ Generalization from Theater to Attributes	[Direction is 'Source -> Destination'.]

ATTRIBUTES	
◆ address : var Protected	[Is static False. Containment is Not Specified.]
◆ idTheater : var Protected	[Is static False. Containment is Not Specified.]
◆ image : var Protected	[Is static False. Containment is Not Specified.]
◆ location : var Protected	[Is static False. Containment is Not Specified.]

ATTRIBUTES	
◆ maxCapacity : var Protected	[Is static False. Containment is Not Specified.]
◆ seatTypes : var Private = array() to calculate the amount of each type.	[Is static False. Containment is Not Specified.]
◆ theaterName : var Protected	[Is static False. Containment is Not Specified.]
OPERATIONS	
◆ addSeatType (seatType : SeatType) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getAddress () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getIdTheater () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getImage () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getLocation () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getMaxCapacity () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getSeatTypes () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getTheaterName () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setAddress (address : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setIdTheater (idTheater : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setImage (image : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setLocation (location : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

OPERATIONS	
◆ setMaxCapacity (maxCapacity : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setSeatTypes (seatTypes : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setTheaterName (theaterName : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.5.17 Ticket

Class in package 'Models'

Ticket
Version 1.0 Phase 1.0 Proposed
Melisa created on 23/11/2018. Last modified 23/11/2018
Extends Attributes

OUTGOING STRUCTURAL RELATIONSHIPS	
↳ Generalization from Ticket to Attributes	[Direction is 'Source -> Destination'.]

ATTRIBUTES	
◆ idTicket : var Protected	[Is static False. Containment is Not Specified.]
◆ purchaseLine : var Private	
Class PurchaseLine	[Is static False. Containment is Not Specified.]
◆ qrCode : var Protected	[Is static False. Containment is Not Specified.]
◆ ticketCode : var Protected	
unqid()	[Is static False. Containment is Not Specified.]

OPERATIONS	
◆ getIdTicket () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getPurchaseLine () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

OPERATIONS	
◆ getQrCode () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getTicketCode () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setIdTicket (idTicket : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setPurchaseLine (purchaseLine : PurchaseLine) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setQrCode (qrCode : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setTicketCode (ticketCode : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.5.18 User

Class in package 'Models'

User
 Version 1.0 Phase 1.0 Proposed
 Melisa created on 23/11/2018. Last modified 23/11/2018
 Extends Attributes

OUTGOING STRUCTURAL RELATIONSHIPS	
↳ Generalization from User to Attributes	[Direction is 'Source -> Destination'.]
ATTRIBUTES	
◆ email : var Protected	[Is static False. Containment is Not Specified.]
◆ idUser : var Protected	[Is static False. Containment is Not Specified.]
◆ password : var Protected	[Is static False. Containment is Not Specified.]
◆ role : var Protected	[Is static False. Containment is Not Specified.]
Enum Rol.	[Is static False. Containment is Not Specified.]

ATTRIBUTES	
◆ username : var Protected	[Is static False. Containment is Not Specified.]
OPERATIONS	
◆ getEmail () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getIdUser () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getPassword () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getRole () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getUsername () : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setEmail (email : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setIdUser (idUser : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setPassword (password : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setRole (role : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setUsername (username : var) : var Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]