

Data Modeling Report

Modelo UML

Version 1.0 • Proposed



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Modelo UML

Package in package 'Model'

Modelo UML

Version 1.0 Phase 1.0 Proposed

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Alias

SimuladorONG diagram

Class diagram in package 'Modelo UML'

SimuladorONG

Version 1.0

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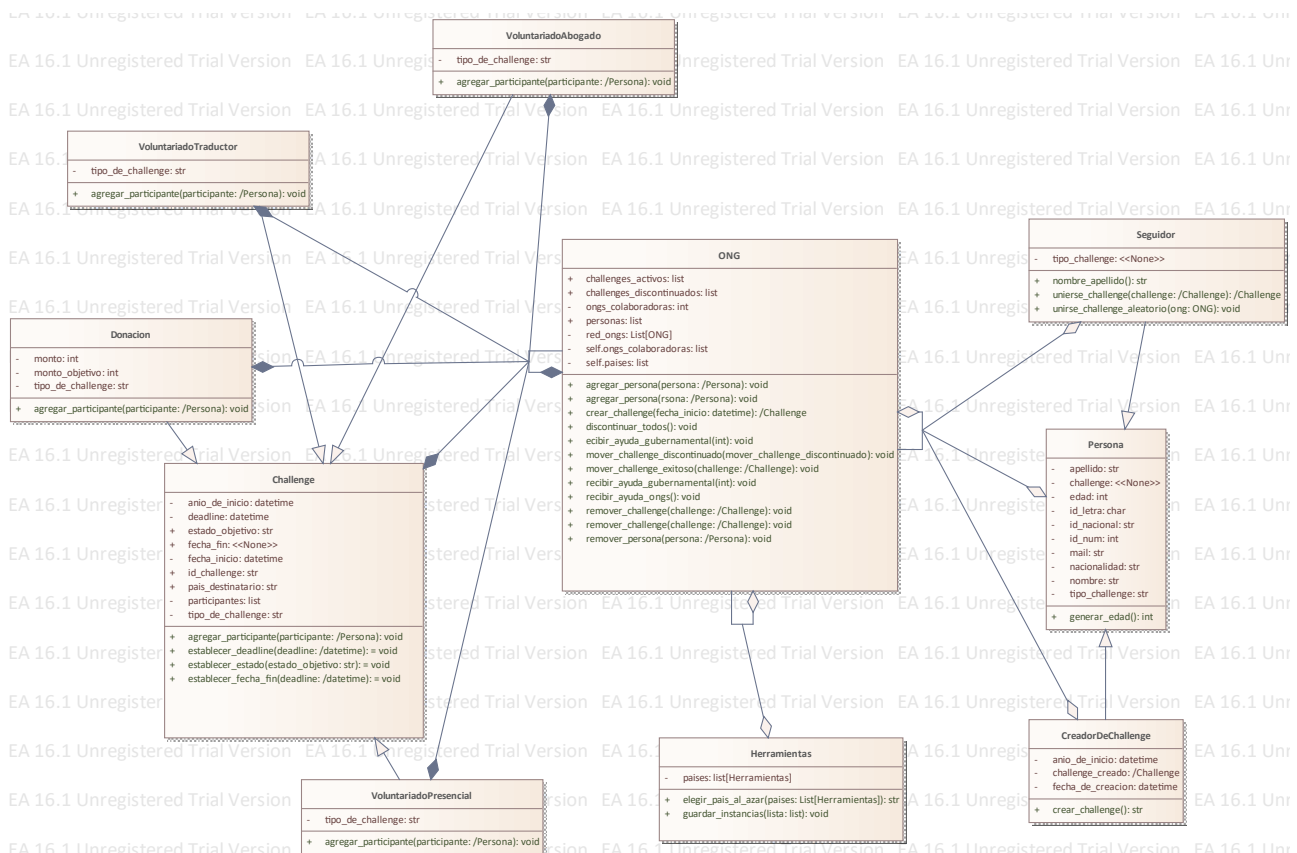


Figure 1: SimuladorONG

Challenge

Class in package 'Modelo UML'

Challenge
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INCOMING STRUCTURAL RELATIONSHIPS	
⇒ Realization from Association1 to Challenge	[Direction is 'Source -> Destination'.]
⇒ Generalization from VoluntariadoPresencial to Challenge	[Direction is 'Source -> Destination'.]
⇒ Generalization from Donacion to Challenge	[Direction is 'Source -> Destination'.]
⇒ Generalization from VoluntariadoAbogado to Challenge	[Direction is 'Source -> Destination'.]
⇒ Generalization from VoluntariadoTraductor to Challenge	[Direction is 'Source -> Destination'.]
⇒ Aggregation from to Challenge	[Direction is 'Source -> Destination'.]

ATTRIBUTES	
◆ anio_de_inicio : datetime Private	[Is static False. Containment is Not Specified.]
◆ deadline : datetime Private	[Is static False. Containment is Not Specified.]
◆ estado_objetivo : str Public	[Is static False. Containment is Not Specified.]
◆ fecha_fin : <<None>> Public	[Is static False. Containment is Not Specified.]
◆ fecha_inicio : datetime Private	[Is static False. Containment is Not Specified.]
◆ id_challenge : str Public	[Is static False. Containment is Not Specified.]
◆ pais_destinatario : str Public	

ATTRIBUTES	
	[Is static False. Containment is Not Specified.]
◆ participantes : list Private	[Is static False. Containment is Not Specified.]
◆ tipo_de_challenge : str Private	[Is static False. Containment is Not Specified.]

OPERATIONS	
◆ agregar_participante (participante : participante: /Persona) : void Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ establecer_deadline (deadline : deadline: /datetime) : = void Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ establecer_estado (estado_objetivo : estado_objetivo: str) : = void Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ establecer_fecha_fin (fecha_fin : deadline: /datetime) : = void Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

Class1

Class in package 'Modelo UML'

Class1

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Class3

Class in package 'Modelo UML'


Class3

Version 1.0 Phase 1.0 Proposed

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Extends VoluntariadoTraductor

OUTGOING STRUCTURAL RELATIONSHIPS

OUTGOING STRUCTURAL RELATIONSHIPS Generalization from Class3 to VoluntariadoTraductor

[Direction is 'Source -> Destination'.]

Class4

Class in package 'Modelo UML'

Class4

Version 1.0 Phase 1.0 Proposed

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CreadorDeChallenge


Class in package 'Modelo UML'

CreadorDeChallenge


Version 1.0 Phase 1.0 Proposed

diego created on 28/2/2023. Last modified 28/2/2023


Extends Persona

OUTGOING STRUCTURAL RELATIONSHIPS Generalization from CreadorDeChallenge to Persona


[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS Aggregation from to CreadorDeChallenge


[Direction is 'Source -> Destination'.]

ATTRIBUTES anio_de_inicio : datetime Private

[Is static False. Containment is Not Specified.]

 challenge_creado : /Challenge Private

[Is static False. Containment is Not Specified.]

 fecha_de_creacion : datetime Private

[Is static False. Containment is Not Specified.]

OPERATIONS

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

Donacion

Class in package 'Modelo UML'

Donacion

Version 1.0 Phase 1.0 Proposed

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Extends Challenge

OUTGOING STRUCTURAL RELATIONSHIPS

↔ Generalization from Donacion to Challenge
[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Aggregation from to Donacion
[Direction is 'Source -> Destination'.]

ATTRIBUTES

◆ monto : int Private
[Is static False. Containment is Not Specified.]

◆ monto_objetivo : int Private
[Is static False. Containment is Not Specified.]

◆ tipo_de_challenge : str Private
[Is static False. Containment is Not Specified.]

OPERATIONS

◆ agregar_participante (participante : participante: /Persona) : void Public
[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

Herramientas

Class in package 'Modelo UML'

Herramientas
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INCOMING STRUCTURAL RELATIONSHIPS

⇒ Aggregation from to Herramientas

[Direction is 'Source -> Destination'.]

ATTRIBUTES

📦 paises : list[Herramientas] Private

[Is static False. Containment is Not Specified.]

OPERATIONS

💎 elegir_pais_al_azar (paises : paises: List[Herramientas]) : str Public

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

💎 guardar_instancias (lista : lista: list) : void Public

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

ONG

Class in package 'Modelo UML'

+self.personas : list
+self.challenges_exitosos: list
+self.challenges_discontinuados: list

ONG
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ELEMENTS OWNED BY ONG

📄 Class2 : Class


OUTGOING STRUCTURAL RELATIONSHIPS

⇐ Aggregation from ONG to ONG


[Direction is 'Source -> Destination'.]

OUTGOING STRUCTURAL RELATIONSHIPS
 Aggregation from ONG to ONG


[Direction is 'Source -> Destination'.]

 Aggregation from ONG to ONG


[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS
 Aggregation from ONG to ONG


[Direction is 'Source -> Destination'.]

 Aggregation from ONG to ONG


[Direction is 'Source -> Destination'.]

 Aggregation from ONG to ONG


[Direction is 'Source -> Destination'.]

ATTRIBUTES
 challenges_activos : list Public


[Is static False. Containment is Not Specified.]

 challenges_discontinuados : list Public

[Is static False. Containment is Not Specified.]

 ongs_colaboradoras : int Private

[Is static False. Containment is Not Specified.]

 personas : list Public


[Is static False. Containment is Not Specified.]

 red_ongs : List[ONG] Private

[Is static False. Containment is Not Specified.]













 self.ongs_colaboradoras : list Private

[Is static False. Containment is Not Specified.]

 self.países : list Private

[Is static False. Containment is Not Specified.]

OPERATIONS

OPERATIONS
 agregar_persona (persona : persona: /Persona) : void Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 agregar_persona (persona : rsona: /Persona) : void Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 crear_challenge (fecha_inicio : fecha_inicio: datetime) : /Challenge Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 discontinuar_todos () : void Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 ecibir_ayuda_gubernamental (factor : int) : void Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 mover_challenge_discontinuado (challenge : mover_challenge_discontinuado) : void Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 mover_challenge_exitoso (challenge : challenge: /Challenge) : void Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 recibir_ayuda_gubernamental (factor : int) : void Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 recibir_ayuda_ongs () : void Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 remover_challenge (challenge : challenge: /Challenge) : void Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 remover_challenge (challenge : challenge: /Challenge) : void Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 remover_persona (persona : persona: /Persona) : void Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

Class2

Class owned by 'ONG', in package 'Modelo UML'

Class2
Version 1.0 Phase 1.0 Proposed

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Persona

Class in package 'Modelo UML'


Persona

Version 1.0 Phase 1.0 Proposed


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INCOMING STRUCTURAL RELATIONSHIPS	
⇒ Generalization from CreadorDeChallenge to Persona	[Direction is 'Source -> Destination'.]
⇒ Generalization from Seguidor to Persona	[Direction is 'Source -> Destination'.]
⇒ Aggregation from to Persona	[Direction is 'Source -> Destination'.]


ATTRIBUTES	
◆ apellido : str Private	[Is static False. Containment is Not Specified.]
◆ challenge : <<None>> Private	[Is static False. Containment is Not Specified.]
◆ edad : int Private	[Is static False. Containment is Not Specified.]
◆ id_letra : char Private	[Is static False. Containment is Not Specified.]
◆ id_nacional : str Private	[Is static False. Containment is Not Specified.]
◆ id_num : int Private	[Is static False. Containment is Not Specified.]
◆ mail : str Private	[Is static False. Containment is Not Specified.]

ATTRIBUTES
 nacionalidad : str Private


[Is static False. Containment is Not Specified.]

 nombre : str Private

[Is static False. Containment is Not Specified.]

 tipo_challenge : str Private

[Is static False. Containment is Not Specified.]

OPERATIONS
 generar_edad () : int Public

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

Seguidor


Class in package 'Modelo UML'

Seguidor


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Extends Persona

OUTGOING STRUCTURAL RELATIONSHIPS
 Generalization from Seguidor to Persona

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS
 Aggregation from to Seguidor

[Direction is 'Source -> Destination'.]

ATTRIBUTES
 tipo_challenge : <<None>> Private

[Is static False. Containment is Not Specified.]

OPERATIONS
 nombre_apellido () : str Public

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

OPERATIONS

◆ unirse_challenge (challenge : challenge: /Challenge) : /Challenge Public
 [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ unirse_challenge_aleatorio (ong : ong: ONG) : void Public
 [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

VoluntariadoAbogado

Class in package 'Modelo UML'

VoluntariadoAbogado
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 Extends Challenge

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from VoluntariadoAbogado to Challenge
 [Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Aggregation from to VoluntariadoAbogado
 [Direction is 'Source -> Destination'.]

ATTRIBUTES

◆ tipo_de_challenge : str Private
 [Is static False. Containment is Not Specified.]

OPERATIONS

◆ agregar_participante (participante : participante: /Persona) : void Public
 [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

VoluntariadoPresencial

Class in package 'Modelo UML'

VoluntariadoPresencial
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ATTRIBUTES

♦ agregar_participante : participante: /Persona Private

[Is static False. Containment is Not Specified.]

VoluntariadoPresencial

Class in package 'Modelo UML'

VoluntariadoPresencial

Version 1.0 Phase 1.0 Proposed

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Extends Challenge

OUTGOING STRUCTURAL RELATIONSHIPS

⇐ Generalization from VoluntariadoPresencial to Challenge

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Aggregation from to VoluntariadoPresencial

[Direction is 'Source -> Destination'.]

ATTRIBUTES

♦ tipo_de_challenge : str Private

[Is static False. Containment is Not Specified.]

OPERATIONS

♦ agregar_participante (participante : participante: /Persona) : void Public

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

VoluntariadoTraductor

Class in package 'Modelo UML'

VoluntariadoTraductor

Version 1.0 Phase 1.0 Proposed

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ATTRIBUTES

agregar_participante : participante: /Persona Private

[Is static False. Containment is Not Specified.]

VoluntariadoTraductor

Class in package 'Modelo UML'

VoluntariadoTraductor
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Extends Challenge

OUTGOING STRUCTURAL RELATIONSHIPS

Generalization from VoluntariadoTraductor to Challenge

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

Aggregation from to VoluntariadoTraductor

[Direction is 'Source -> Destination'.]

Generalization from Class3 to VoluntariadoTraductor

[Direction is 'Source -> Destination'.]

ATTRIBUTES

tipo_de_challenge : str Private

[Is static False. Containment is Not Specified.]

OPERATIONS

agregar_participante (participante : participante: /Persona) : void Public

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

Association1

Association in package 'Modelo UML'

Association1
Version 1.0 Phase 1.0 Proposed

diego created on 28/2/2023. Last modified 28/2/2023**OUTGOING STRUCTURAL RELATIONSHIPS** Realization from Association1 to Challenge

[Direction is 'Source -> Destination'.]

Enumeration1

Enumeration in package 'Modelo UML'

Enumeration1

Version 1.0 Phase 1.0 Proposed

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