Clases

Package in package 'Domain Objects'

<div align="right">

Clases
Version 1.0 Phase 1.0 Proposed
Sebah created on 31/05/2024. Last modified 31/05/2024

</div>

Modelo de Dominio diagram

Class diagram in package 'Clases'

<div align="right">

Modelo de Dominio
Version 1.0
Sebah created on 31/05/2024. Last modified 09/06/2024
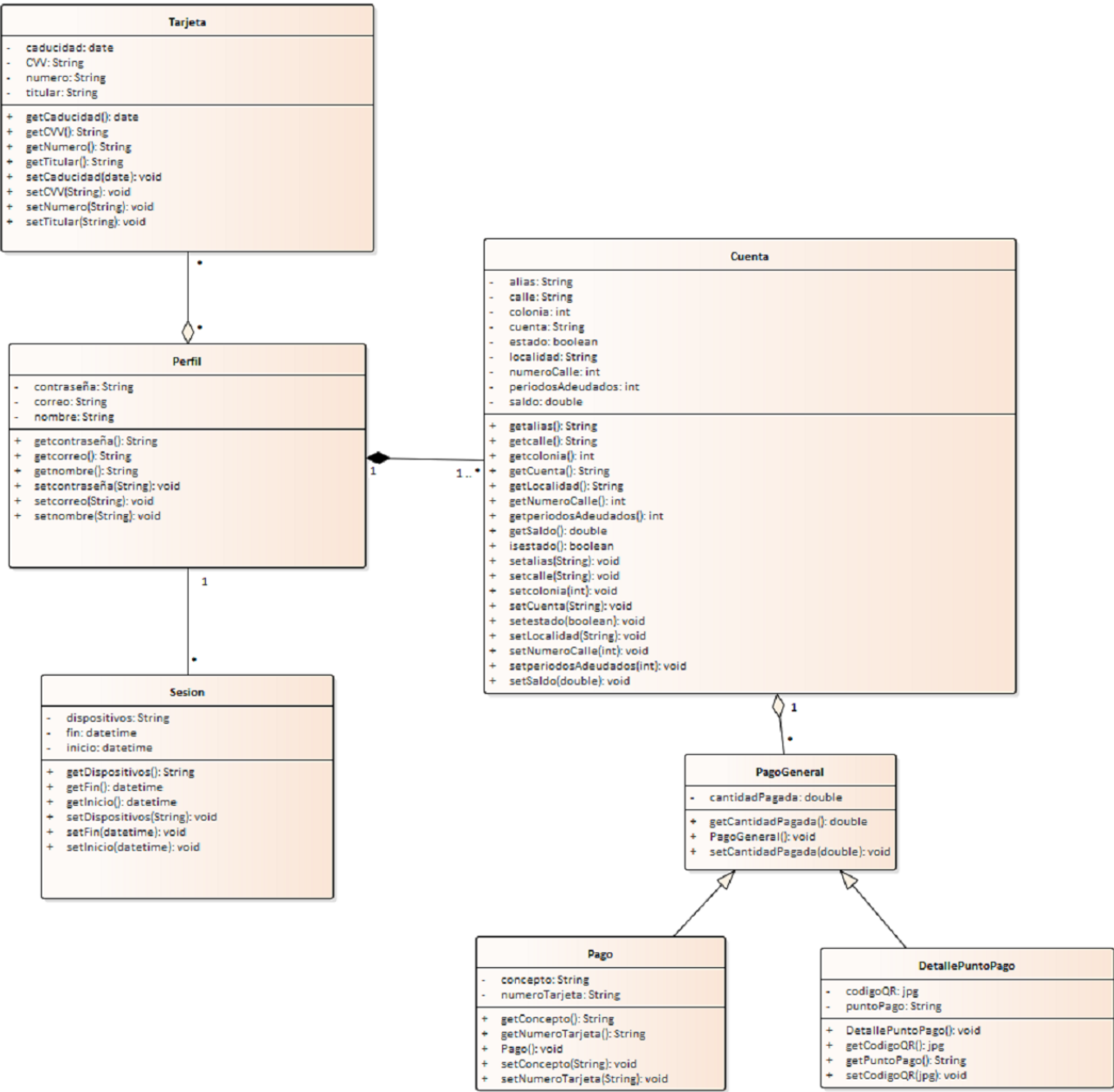
</div>

Figure 1: Modelo de Dominio

Cuenta

Class in package 'Clases'

Cuenta
Version 1.0 Phase 1.0 Proposed
Sebah created on 28/05/2024. Last modified 10/06/2024

OUTGOING STRUCTURAL RELATIONSHIPS
⬅ Aggregation from Cuenta to Perfil
[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS
➡ Aggregation from recibo to Cuenta
[Direction is 'Source -> Destination'.]
➡ Aggregation from PagoGeneral to Cuenta
[Direction is 'Source -> Destination'.]

ATTRIBUTES
◆ alias : String Private
[Is static False. Containment is Not Specified.]
◆ calle : String Private
[Is static False. Containment is Not Specified.]
◆ colonia : int Private
[Is static False. Containment is Not Specified.]
◆ cuenta : String Private
[Is static False. Containment is Not Specified.]
◆ estado : boolean Private
[Is static False. Containment is Not Specified.]
◆ localidad : String Private
[Is static False. Containment is Not Specified.]
◆ numeroCalle : int Private
[Is static False. Containment is Not Specified.]
◆ periodosAdeudados : int Private
[Is static False. Containment is Not Specified.]

ATTRIBUTES

🔷 saldo : double Private

[Is static False. Containment is Not Specified.]

OPERATIONS

🔷 getalias () : String Public

Properties:
  attribute_name = alias

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

🔷 getcalle () : String Public

Properties:
  attribute_name = calle

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

🔷 getcolonia () : int Public

Properties:
  attribute_name = colonia

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

🔷 getCuenta () : String Public

Properties:
  attribute_name = cuenta

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

🔷 getLocalidad () : String Public

Properties:
  attribute_name = localidad

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

🔷 getNumeroCalle () : int Public

Properties:
  attribute_name = numeroCalle

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

🔷 getperiodosAdeudados () : int Public

Properties:
  attribute_name = periodosAdeudados

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

🔷 getSaldo () : double Public

Properties:
  attribute_name = saldo

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

OPERATIONS

◆ isestado () : boolean Public

Properties:
    attribute_name = estado
                        [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ setalias (newVal : String) : void Public

Properties:
    attribute_name = alias
                        [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ setcalle (newVal : String) : void Public

Properties:
    attribute_name = calle
                        [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ setcolonia (newVal : int) : void Public

Properties:
    attribute_name = colonia
                        [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ setCuenta (newVal : String) : void Public

Properties:
    attribute_name = cuenta
                        [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ setestado (newVal : boolean) : void Public

Properties:
    attribute_name = estado
                        [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ setLocalidad (newVal : String) : void Public

Properties:
    attribute_name = localidad
                        [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ setNumeroCalle (newVal : int) : void Public

Properties:
    attribute_name = numeroCalle
                        [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ setperiodosAdeudados (newVal : int) : void Public

OPERATIONS

Properties:
   attribute_name = periodosAdeudados

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

🔷 setSaldo (newVal : double) : void Public

Properties:
   attribute_name = saldo

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

DetallePuntoPago

Class in package 'Clases'

<div align="right">

DetallePuntoPago
Version 1.0 Phase 1.0 Proposed
Sebah created on 31/05/2024. Last modified 10/06/2024
Extends PagoGeneral

</div>

OUTGOING STRUCTURAL RELATIONSHIPS

⬅ Generalization from DetallePuntoPago to PagoGeneral

          [Direction is 'Source -> Destination'.]

ATTRIBUTES

🔷 codigoQR : jpg Private

          [Is static False. Containment is Not Specified.]

🔷 puntoPago : String Private

          [Is static False. Containment is Not Specified.]

OPERATIONS

🔷 DetallePuntoPago () : void Public

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

🔷 getCodigoQR () : jpg Public

Properties:
   attribute_name = codigoQR

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

🔷 getPuntoPago () : String Public

Properties:
   attribute_name = puntoPago

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

OPERATIONS

🔶 setCodigoQR (qrCode : jpg) : void Public

    Properties:
      attribute_name = codigoQR

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

Pago

Class in package 'Clases'

Pago
Version 1.0 Phase 1.0 Proposed
Sebah created on 31/05/2024. Last modified 10/06/2024
Extends PagoGeneral

OUTGOING STRUCTURAL RELATIONSHIPS

⬅ Generalization from Pago to PagoGeneral

         [Direction is 'Source -> Destination'.]

ATTRIBUTES

🔹 concepto : String Private

         [Is static False. Containment is Not Specified.]

🔹 numeroTarjeta : String Private

         [Is static False. Containment is Not Specified.]

OPERATIONS

🔶 getConcepto () : String Public

    Properties:
      attribute_name = concepto

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

🔶 getNumeroTarjeta () : String Public

    Properties:
      attribute_name = numeroTarjeta

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

🔶 Pago () : void Public

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

🔶 setConcepto (newVal : String) : void Public

    Properties:
      attribute_name = concepto

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

OPERATIONS

◆ setNumeroTarjeta (newVal : String) : void Public

Properties:
   attribute_name = numeroTarjeta
                    [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

PagoGeneral

Class in package 'Clases'

PagoGeneral
Version 1.0 Phase 1.0 Proposed
Sebah created on 09/06/2024. Last modified 10/06/2024

OUTGOING STRUCTURAL RELATIONSHIPS

⬅ Aggregation from PagoGeneral to Cuenta

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

➡ Generalization from DetallePuntoPago to PagoGeneral

[Direction is 'Source -> Destination'.]

➡ Generalization from Pago to PagoGeneral

[Direction is 'Source -> Destination'.]

ATTRIBUTES

◆ cantidadPagada : double Private

[Is static False. Containment is Not Specified.]

OPERATIONS

◆ getCantidadPagada () : double Public

Properties:
   attribute_name = cantidadPagada
                    [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ PagoGeneral () : void Public

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

◆ setCantidadPagada (newVal : double) : void Public

Properties:
   attribute_name = cantidadPagada

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

Perfil

Class in package 'Clases'

Perfil
Version 1.0 Phase 1.0 Proposed
Sebah created on 28/05/2024. Last modified 10/06/2024

INCOMING STRUCTURAL RELATIONSHIPS
➡ Aggregation from Cuenta to Perfil [Direction is 'Source -> Destination'.]
➡ Aggregation from Tarjeta to Perfil [Direction is 'Source -> Destination'.]

ATTRIBUTES
◆ contraseña : String Private [Is static False. Containment is Not Specified.]
◆ correo : String Private [Is static False. Containment is Not Specified.]
◆ nombre : String Private [Is static False. Containment is Not Specified.]

ASSOCIATIONS
✏ Association (direction: Unspecified)

Source: Public (Class) Sesion	Target: Public (Class) Perfil
Cardinality: [*]	Cardinality: [1]

OPERATIONS
◆ getcontraseña () : String Public Properties: attribute_name = contraseña [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ getcorreo () : String Public Properties: attribute_name = correo

OPERATIONS

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

◆ getnombre () : String Public

Properties:
attribute_name = nombre

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

◆ setcontraseña (newVal : String) : void Public

Properties:
attribute_name = contraseña

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

◆ setcorreo (newVal : String) : void Public

Properties:
attribute_name = correo

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

◆ setnombre (newVal : String) : void Public

Properties:
attribute_name = nombre

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

Sesion

Class in package 'Clases'

Sesion
Version 1.0 Phase 1.0 Proposed
Sebah created on 31/05/2024. Last modified 10/06/2024

ATTRIBUTES

◆ dispositivos : String Private

[Is static False. Containment is Not Specified.]

◆ fin : datetime Private

[Is static False. Containment is Not Specified.]

◆ inicio : datetime Private

[Is static False. Containment is Not Specified.]

ASSOCIATIONS

✎ Association (direction: Unspecified)

ASSOCIATIONS	
Source: Public (Class) Sesion	Target: Public (Class) Perfil
Cardinality: [*]	Cardinality: [1]

OPERATIONS

🔶 getDispositivos () : String Public

Properties:
   attribute_name = dispositivos

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

🔶 getFin () : datetime Public

Properties:
   attribute_name = fin

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

🔶 getInicio () : datetime Public

Properties:
   attribute_name = inicio

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

🔶 setDispositivos (newVal : String) : void Public

Properties:
   attribute_name = dispositivos

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

🔶 setFin (newVal : datetime) : void Public

Properties:
   attribute_name = fin

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

🔶 setInicio (newVal : datetime) : void Public

Properties:
   attribute_name = inicio

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

Tarjeta

Class in package 'Clases'

Tarjeta
Version 1.0 Phase 1.0 Proposed
Sebah created on 31/05/2024. Last modified 10/06/2024

OUTGOING STRUCTURAL RELATIONSHIPS

OUTGOING STRUCTURAL RELATIONSHIPS

⬅ Aggregation from Tarjeta to Perfil

[Direction is 'Source -> Destination'.]

ATTRIBUTES

🔹 caducidad : date Private

[Is static False. Containment is Not Specified.]

🔹 CVV : String Private

[Is static False. Containment is Not Specified.]

🔹 numero : String Private

[Is static False. Containment is Not Specified.]

🔹 titular : String Private

[Is static False. Containment is Not Specified.]

OPERATIONS

🔹 getCaducidad () : date Public

Properties:
    attribute_name = caducidad

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

🔹 getCVV () : String Public

Properties:
    attribute_name = CVV

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

🔹 getNumero () : String Public

Properties:
    attribute_name = numero

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

🔹 getTitular () : String Public

Properties:
    attribute_name = titular

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

🔹 setCaducidad (newVal : date) : void Public

Properties:
    attribute_name = caducidad

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

OPERATIONS

◆ setCVV (newVal : String) : void Public

   Properties:
     attribute_name = CVV
           [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ setNumero (newVal : String) : void Public

   Properties:
     attribute_name = numero
           [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ setTitular (newVal : String) : void Public

   Properties:
     attribute_name = titular
           [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

recibo

Class in package 'Clases'

recibo
Version 1.0 Phase 1.0 Proposed
Sebah created on 31/05/2024. Last modified 31/05/2024

OUTGOING STRUCTURAL RELATIONSHIPS

⬅ Aggregation from recibo to Cuenta

           [Direction is 'Source -> Destination'.]