Tabla de Contenidos

Modelo de Clases

Agentes

Gestión de Agentes Diagrama

Class diagram in package 'Agentes'
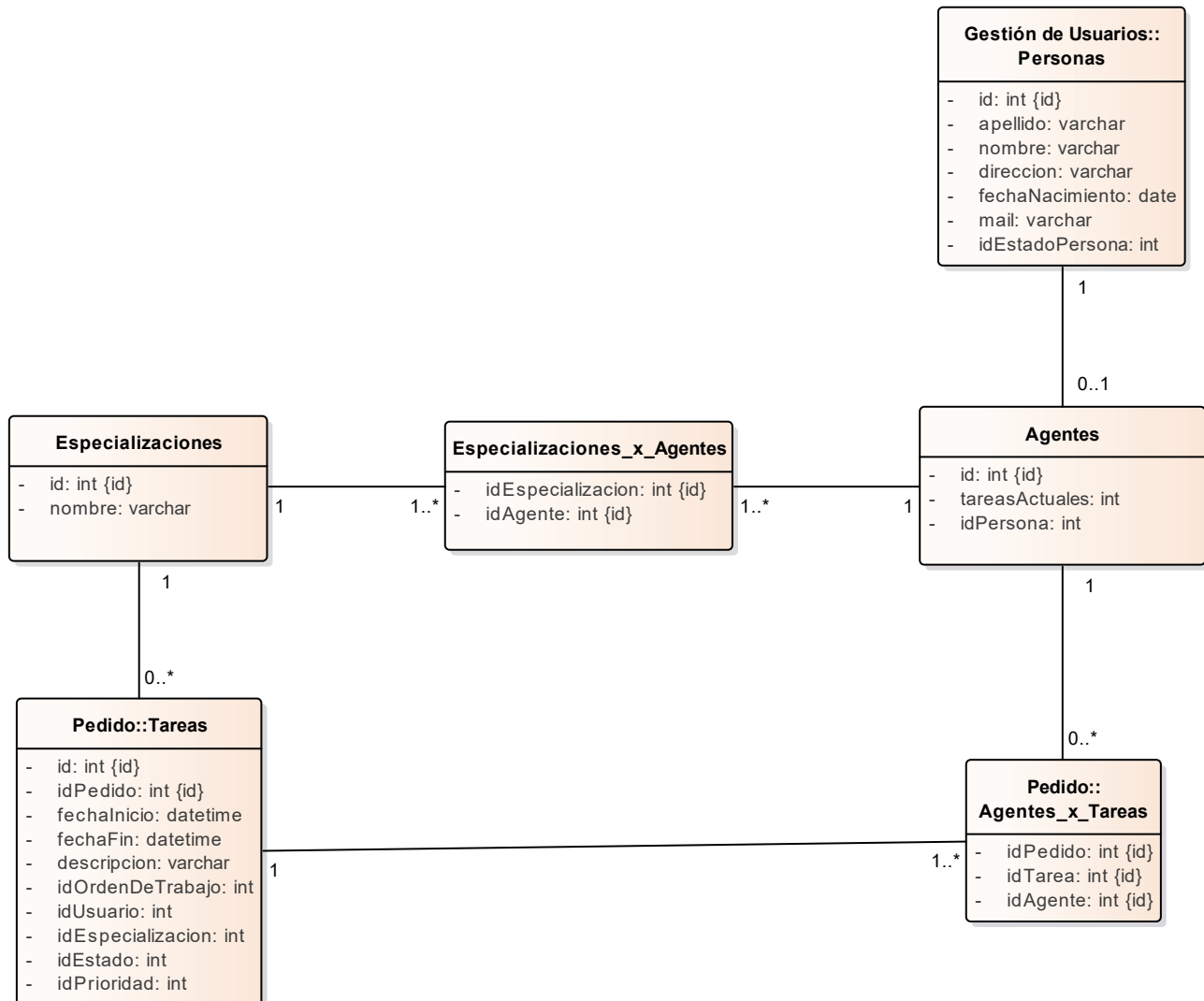
Figure 1: Gestión de Agentes

Agentes

Class in package 'Agentes'

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

ATTRIBUTE tareasActuales
tareasActuales : int Private
[Is static False. Containment is Not Specified.]

ATTRIBUTE idPersona
idPersona : int Private
[Is static False. Containment is Not Specified.]

Especializaciones

Class in package 'Agentes'

ATTRIBUTE id
◆ id : int Private
[Is static False. Containment is Not Specified.]
ATTRIBUTE nombre
◆ nombre : varchar Private
[Is static False. Containment is Not Specified.]

Especializaciones_x_Agentes

Class in package 'Agentes'

ATTRIBUTE idEspecializacion
◆ idEspecializacion : int Private
[Is static False. Containment is Not Specified.]
ATTRIBUTE idAgente
◆ idAgente : int Private
[Is static False. Containment is Not Specified.]

Sectores

Gestion de Sectores Diagrama

Class diagram in package 'Sectores'
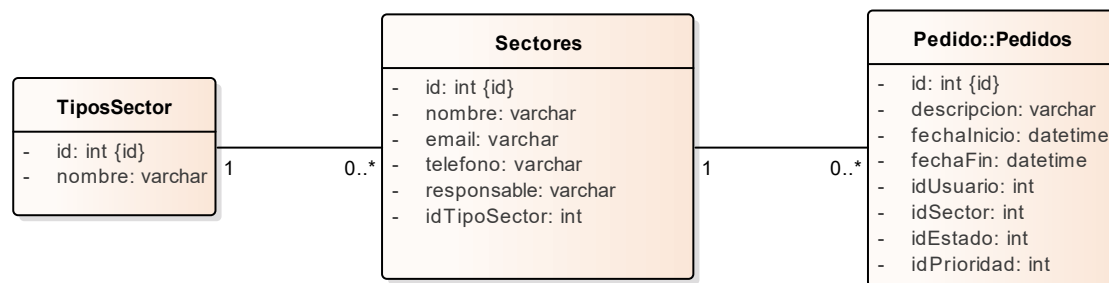
Figure 2: Gestion de Sectores

Sectores

Class in package 'Sectores'

ATTRIBUTE id
◆ id : int Private
[Is static False. Containment is Not Specified.]
ATTRIBUTE nombre
◆ nombre : varchar Private
[Is static False. Containment is Not Specified.]
ATTRIBUTE email
◆ email : varchar Private
[Is static False. Containment is Not Specified.]
ATTRIBUTE telefono
◆ telefono : varchar Private
[Is static False. Containment is Not Specified.]
ATTRIBUTE responsable
◆ responsable : varchar Private
[Is static False. Containment is Not Specified.]
ATTRIBUTE idTipoSector
◆ idTipoSector : int Private
[Is static False. Containment is Not Specified.]

TiposSector

Class in package 'Sectores'

ATTRIBUTE id
◆ id : int Private
[Is static False. Containment is Not Specified.]
ATTRIBUTE nombre
◆ nombre : varchar Private
[Is static False. Containment is Not Specified.]

Gestión de Usuarios

Gestión de Usuarios Diagrama

Class diagram in package 'Gestión de Usuarios'
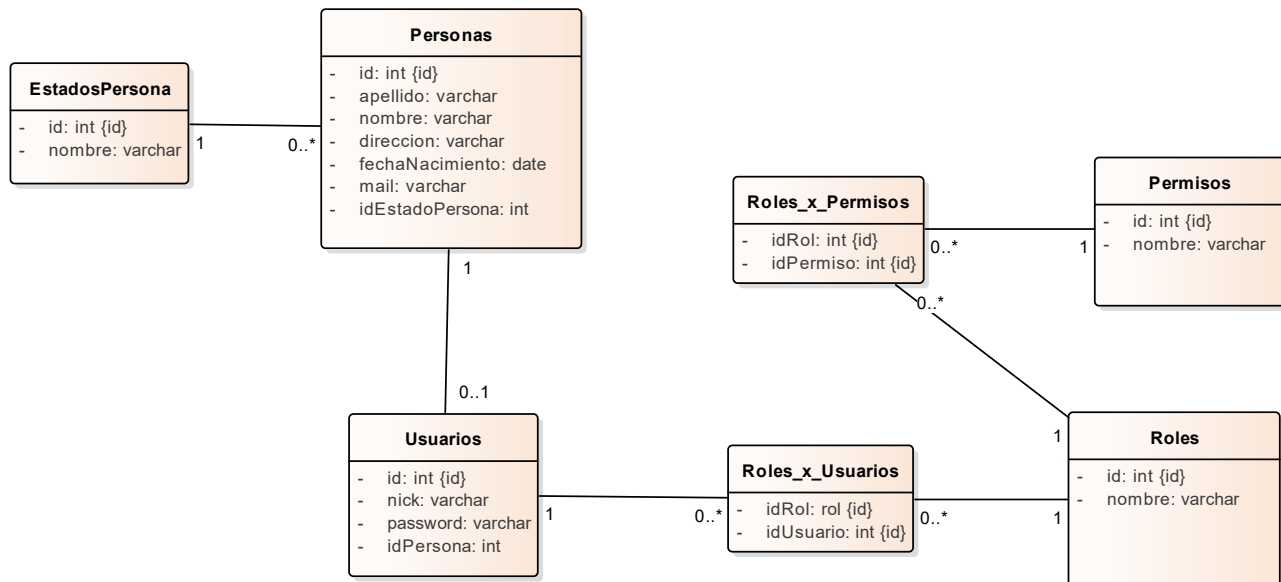
Figure 3: Gestión de Usuarios

EstadosPersona

Class in package 'Gestión de Usuarios'

ATTRIBUTE id
◆ id : int Private
[Is static False. Containment is Not Specified.]
ATTRIBUTE nombre
◆ nombre : varchar Private
[Is static False. Containment is Not Specified.]

Permisos

Class in package 'Gestión de Usuarios'

ATTRIBUTE id
◆ id : int Private
[Is static False. Containment is Not Specified.]
ATTRIBUTE nombre
◆ nombre : varchar Private
[Is static False. Containment is Not Specified.]

Personas

Class in package 'Gestión de Usuarios'

ATTRIBUTE id
◆ id : int Private
[Is static False. Containment is Not Specified.]
ATTRIBUTE apellido
◆ apellido : varchar Private

ATTRIBUTE id	
	[Is static False. Containment is Not Specified.]
ATTRIBUTE nombre	
🔹 nombre : varchar Private	
	[Is static False. Containment is Not Specified.]
ATTRIBUTE direccion	
🔹 direccion : varchar Private	
	[Is static False. Containment is Not Specified.]
ATTRIBUTE fechaNacimiento	
🔹 fechaNacimiento : date Private	
	[Is static False. Containment is Not Specified.]
ATTRIBUTE mail	
🔹 mail : varchar Private	
	[Is static False. Containment is Not Specified.]
ATTRIBUTE idEstadoPersona	
🔹 idEstadoPersona : int Private	
	[Is static False. Containment is Not Specified.]

Roles

Class in package 'Gestión de Usuarios'

ATTRIBUTE id	
🔹 id : int Private	
	[Is static False. Containment is Not Specified.]
ATTRIBUTE nombre	
🔹 nombre : varchar Private	
	[Is static False. Containment is Not Specified.]

Roles_x_Permisos

Class in package 'Gestión de Usuarios'

ATTRIBUTE idRol	
🔹 idRol : int Private	
	[Is static False. Containment is Not Specified.]
ATTRIBUTE idPermiso	
🔹 idPermiso : int Private	
	[Is static False. Containment is Not Specified.]

Roles_x_Usuarios

Class in package 'Gestión de Usuarios'

ATTRIBUTE idRol	
🔹 idRol : rol Private	
	[Is static False. Containment is Not Specified.]
ATTRIBUTE idUsuario	
🔹 idUsuario : int Private	
	[Is static False. Containment is Not Specified.]

Usuarios

Class in package 'Gestión de Usuarios'

ATTRIBUTE id	

ATTRIBUTE id

◆ id : int Private

[Is static False. Containment is Not Specified.]

ATTRIBUTE nick

◆ nick : varchar Private

[Is static False. Containment is Not Specified.]

ATTRIBUTE password

◆ password : varchar Private

[Is static False. Containment is Not Specified.]

ATTRIBUTE idPersona

◆ idPersona : int Private

[Is static False. Containment is Not Specified.]

Insumos

Gestion de Insumos Diagrama

Class diagram in package 'Insumos'

Figure 4: Gestion de Insumos

EstadosOrdenDeCompra

Class in package 'Insumos'

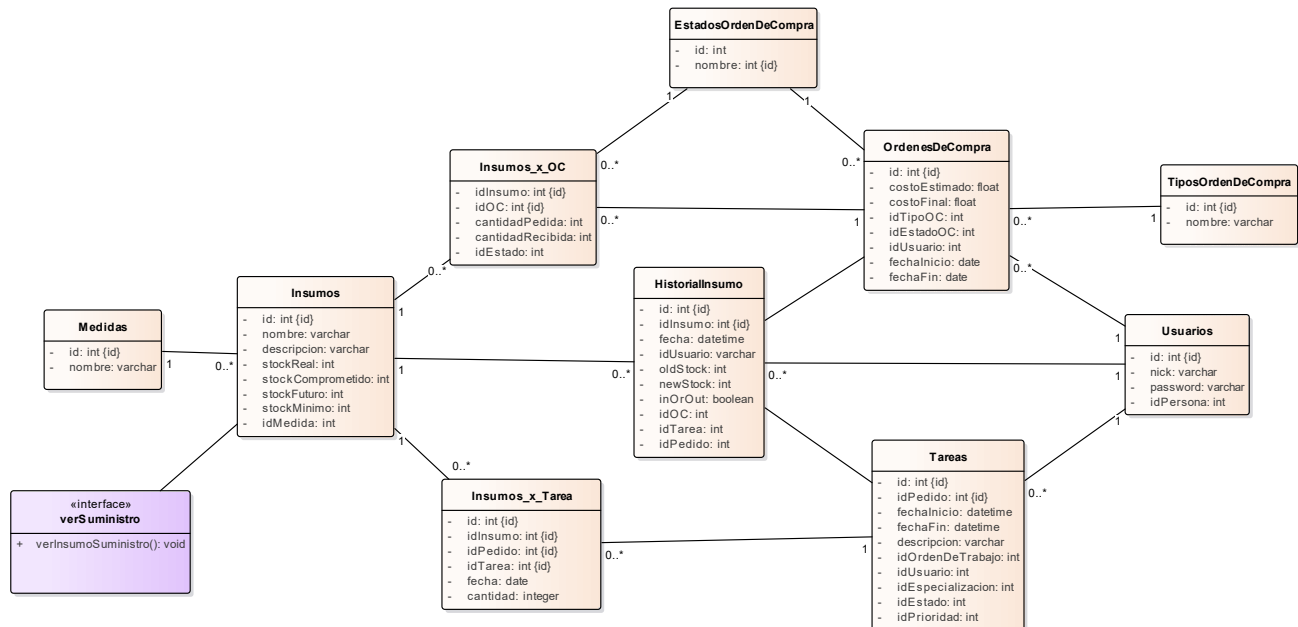| ATTRIBUTE id |
| --- |
| id : int Private |
| [Is static False. Containment is Not Specified.] |
| **ATTRIBUTE nombre** |
| nombre : int Private |
| [Is static False. Containment is Not Specified.] |

HistorialInsumo

Class in package 'Insumos'

ATTRIBUTE id
id : int Private
[Is static False. Containment is Not Specified.]
ATTRIBUTE idInsumo
idInsumo : int Private
[Is static False. Containment is Not Specified.]
ATTRIBUTE fecha
fecha : datetime Private
[Is static False. Containment is Not Specified.]
ATTRIBUTE idUsuario
idUsuario : varchar Private
[Is static False. Containment is Not Specified.]
ATTRIBUTE oldStock
oldStock : int Private

ATTRIBUTE id
[Is static False. Containment is Not Specified.]

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

ATTRIBUTE inOrOut
◆ inOrOut : boolean Private
[Is static False. Containment is Not Specified.]

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

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

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

Insumos

Class in package 'Insumos'

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

ATTRIBUTE nombre
◆ nombre : varchar Private
[Is static False. Containment is Not Specified.]

ATTRIBUTE descripcion
◆ descripcion : varchar Private
[Is static False. Containment is Not Specified.]

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

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

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

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

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

Insumos_x_OC

Class in package 'Insumos'

ATTRIBUTE idInsumo
◆ idInsumo : int Private

ATTRIBUTE idInsumo	
	[Is static False. Containment is Not Specified.]

ATTRIBUTE idOC	
♦ idOC : int Private	
	[Is static False. Containment is Not Specified.]

ATTRIBUTE cantidadPedida	
♦ cantidadPedida : int Private	
	[Is static False. Containment is Not Specified.]

ATTRIBUTE cantidadRecibida	
♦ cantidadRecibida : int Private	
	[Is static False. Containment is Not Specified.]

ATTRIBUTE idEstado	
♦ idEstado : int Private	
	[Is static False. Containment is Not Specified.]

Insumos_x_Tarea

Class in package 'Insumos'

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

ATTRIBUTE idInsumo	
♦ idInsumo : int Private	
	[Is static False. Containment is Not Specified.]

ATTRIBUTE idPedido	
♦ idPedido : int Private	
	[Is static False. Containment is Not Specified.]

ATTRIBUTE idTarea	
♦ idTarea : int Private	
	[Is static False. Containment is Not Specified.]

ATTRIBUTE fecha	
♦ fecha : date Private	
	[Is static False. Containment is Not Specified.]

ATTRIBUTE cantidad	
♦ cantidad : integer Private	
	[Is static False. Containment is Not Specified.]

Medidas

Class in package 'Insumos'

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

ATTRIBUTE nombre	
♦ nombre : varchar Private	
	[Is static False. Containment is Not Specified.]

MovXcompra

Class in package 'Insumos'

ATTRIBUTE idMovXcomp	
♦ idMovXcomp : int Private	

ATTRIBUTE idMovXcomp	
	[Is static False. Containment is Not Specified.]

ATTRIBUTE idInsumo	
🔹 idInsumo : insumo{id} Private	
	[Is static False. Containment is Not Specified.]

ATTRIBUTE idOrdenDeCompraC	
🔹 idOrdenDeCompraC : OrdenDeCompra{id} Private	
	[Is static False. Containment is Not Specified.]

ATTRIBUTE idCompra	
🔹 idCompra : int Private	
	[Is static False. Containment is Not Specified.]

ATTRIBUTE CantidadIngresada	
🔹 CantidadIngresada : int Private	
	[Is static False. Containment is Not Specified.]

ATTRIBUTE fecha	
🔹 fecha : date Private	
	[Is static False. Containment is Not Specified.]

OrdenesDeCompra

Class in package 'Insumos'

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

ATTRIBUTE costoEstimado	
🔹 costoEstimado : float Private	
	[Is static False. Containment is Not Specified.]

ATTRIBUTE costoFinal	
🔹 costoFinal : float Private	
	[Is static False. Containment is Not Specified.]

ATTRIBUTE idTipoOC	
🔹 idTipoOC : int Private	
	[Is static False. Containment is Not Specified.]

ATTRIBUTE idEstadoOC	
🔹 idEstadoOC : int Private	
	[Is static False. Containment is Not Specified.]

ATTRIBUTE idUsuario	
🔹 idUsuario : int Private	
	[Is static False. Containment is Not Specified.]

ATTRIBUTE fechaInicio	
🔹 fechaInicio : date Private	
	[Is static False. Containment is Not Specified.]

ATTRIBUTE fechaFin	
🔹 fechaFin : date Private	
	[Is static False. Containment is Not Specified.]

TiposMovimientos

Class in package 'Insumos'

ATTRIBUTE id
🔹 id : int Private

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

TiposOrdenDeCompra

Class in package 'Insumos'

ATTRIBUTE id
id : int Private
[Is static False. Containment is Not Specified.]
ATTRIBUTE nombre
nombre : varchar Private
[Is static False. Containment is Not Specified.]

Operacion

Interface in package 'Insumos'

OPERATION sumar(cantidad, motivo)
sumar(cantidad, motivo) () : int Public
[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False]
OPERATION restar(cantidad, motivo)
restar(cantidad, motivo) () : int Public
[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False]

verSuministro

Interface in package 'Insumos'

OPERATION verInsumoSuministro
verInsumoSuministro () : void Public
[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False]

Pedido

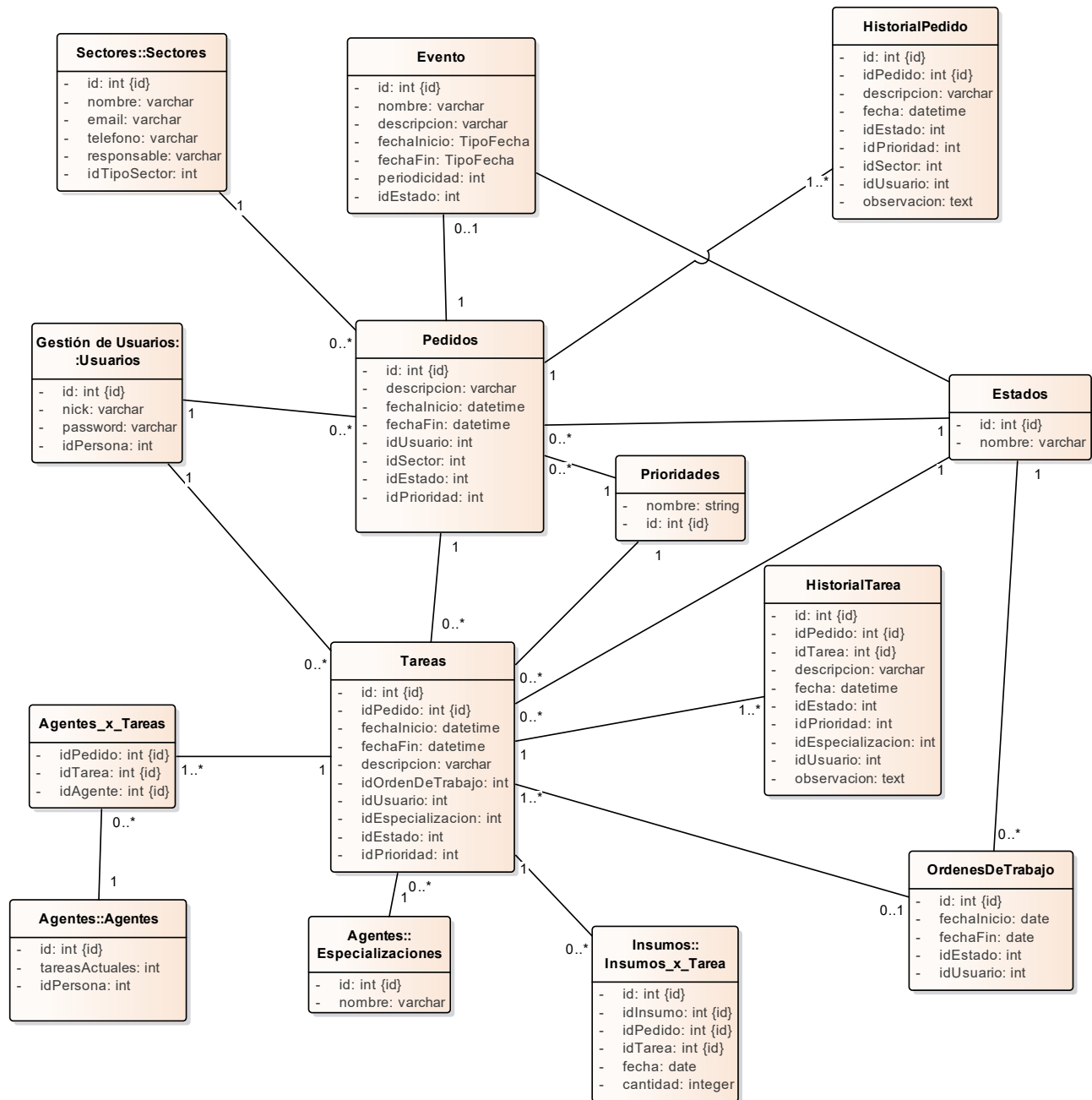## Gestión de Pedidos Diagrama

Class diagram in package 'Pedido'

Figure 5: Gestión de Pedidos

Agentes_x_Tareas

Class in package 'Pedido'

ATTRIBUTE idPedido
◆ idPedido : int Private
[Is static False. Containment is Not Specified.]
ATTRIBUTE idTarea
◆ idTarea : int Private

ATTRIBUTE idPedido
[Is static False. Containment is Not Specified.]

ATTRIBUTE idAgente
🔷 idAgente : int Private
[Is static False. Containment is Not Specified.]

Estados

Class in package 'Pedido'

Iniciado, en Curso, Pendiente, Finalizado, etc.

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

ATTRIBUTE nombre
🔷 nombre : varchar Private
[Is static False. Containment is Not Specified.]

Evento

Class in package 'Pedido'

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

ATTRIBUTE nombre
🔷 nombre : varchar Private
[Is static False. Containment is Not Specified.]

ATTRIBUTE descripcion
🔷 descripcion : varchar Private
[Is static False. Containment is Not Specified.]

ATTRIBUTE fechaInicio
🔷 fechaInicio : TipoFecha Private
[Is static False. Containment is Not Specified.]

ATTRIBUTE fechaFin
🔷 fechaFin : TipoFecha Private
[Is static False. Containment is Not Specified.]

ATTRIBUTE periodicidad
🔷 periodicidad : int Private
[Is static False. Containment is Not Specified.]

ATTRIBUTE idEstado
🔷 idEstado : int Private
[Is static False. Containment is Not Specified.]

HistorialPedido

Class in package 'Pedido'

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

ATTRIBUTE idPedido
🔷 idPedido : int Private

ATTRIBUTE id	
	[Is static False. Containment is Not Specified.]

ATTRIBUTE descripcion	
◆ descripcion : varchar Private	
	[Is static False. Containment is Not Specified.]

ATTRIBUTE fecha	
◆ fecha : datetime Private	
	[Is static False. Containment is Not Specified.]

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

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

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

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

ATTRIBUTE observacion	
◆ observacion : text Private	
	[Is static False. Containment is Not Specified.]

HistorialTarea

Class in package 'Pedido'

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

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

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

ATTRIBUTE descripcion	
◆ descripcion : varchar Private	
	[Is static False. Containment is Not Specified.]

ATTRIBUTE fecha	
◆ fecha : datetime Private	
	[Is static False. Containment is Not Specified.]

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

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

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

ATTRIBUTE id
ATTRIBUTE idUsuario
◆ idUsuario : int Private
[Is static False. Containment is Not Specified.]
ATTRIBUTE observacion
◆ observacion : text Private
[Is static False. Containment is Not Specified.]

OrdenesDeTrabajo

Class in package 'Pedido'

ATTRIBUTE id
◆ id : int Private
[Is static False. Containment is Not Specified.]
ATTRIBUTE fechaInicio
◆ fechaInicio : date Private
[Is static False. Containment is Not Specified.]
ATTRIBUTE fechaFin
◆ fechaFin : date Private
[Is static False. Containment is Not Specified.]
ATTRIBUTE idEstado
◆ idEstado : int Private
[Is static False. Containment is Not Specified.]
ATTRIBUTE idUsuario
◆ idUsuario : int Private
[Is static False. Containment is Not Specified.]

Pedidos

Class in package 'Pedido'

ATTRIBUTE id
◆ id : int Private
[Is static False. Containment is Not Specified.]
ATTRIBUTE descripcion
◆ descripcion : varchar Private
[Is static False. Containment is Not Specified.]
ATTRIBUTE fechaInicio
◆ fechaInicio : datetime Private
[Is static False. Containment is Not Specified.]
ATTRIBUTE fechaFin
◆ fechaFin : datetime Private
[Is static False. Containment is Not Specified.]
ATTRIBUTE idUsuario
◆ idUsuario : int Private
[Is static False. Containment is Not Specified.]
ATTRIBUTE idSector
◆ idSector : int Private
[Is static False. Containment is Not Specified.]
ATTRIBUTE idEstado
◆ idEstado : int Private
[Is static False. Containment is Not Specified.]

ATTRIBUTE id

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

Prioridades

Class in package 'Pedido'

Baja, Media, Alta, Urgente

ATTRIBUTE nombre
◆ nombre : string Private
[Is static False. Containment is Not Specified.]

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

Tareas

Class in package 'Pedido'

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

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

ATTRIBUTE fechaInicio
◆ fechaInicio : datetime Private
[Is static False. Containment is Not Specified.]

ATTRIBUTE fechaFin
◆ fechaFin : datetime Private
[Is static False. Containment is Not Specified.]

ATTRIBUTE descripcion
◆ descripcion : varchar Private
[Is static False. Containment is Not Specified.]

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

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

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

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

ATTRIBUTE idPrioridad
◆ idPrioridad : int Private

ATTRIBUTE id

[Is static False. Containment is Not Specified.]