# Modelo de Clases

## Modelo de Clases Total Diagrama



Modelo de Clases Total

## TipoFecha

dd/mm/aaaa

## Agentes

### Gestión de Agentes Diagrama



Gestión de Agentes

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### Agente

Class in package 'Agentes'

| ATTRIBUTE estadoDisponible |
| --- |
| estadoDisponible : boolean Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE idAgente |
| idAgente : int Public  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE idEspecializacion |
| idEspecializacion : Especializacion Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE idPesona |
| idPesona : Persona Private  [ Is static False. Containment is Not Specified. ] |

## Especialización

### Gestión de Especialización Diagrama



Gestión de Especialización

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### Especialización

Class in package 'Especialización'

| ATTRIBUTE idEspecializacion |
| --- |
| idEspecializacion : int Public  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE nombre |
| nombre : string Private  [ Is static False. Containment is Not Specified. ] |

## Sectores

### Gestión de Sectores Diagrama

Class diagram in package 'Sectores'



Gestión de Sectores

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### Sector

Class in package 'Sectores'

| ATTRIBUTE email |
| --- |
| email : string Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE idSector |
| idSector : int Public  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE nombre |
| nombre : string Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE responsable |
| responsable : string Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE telefono |
| telefono : string Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE tipo |
| tipo : ListadoSectores Private  [ Is static False. Containment is Not Specified. ] |

## Informes

### Gestión de Informes Diagrama

Class diagram in package 'Informes'



Gestión de Informes

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### Informe

| OPERATION imprimirInforme |
| --- |
| imprimirInforme (informe : Informe ) : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False ] |
| OPERATION infAgentes |
| infAgentes (ordenTrabajo : OrdenDeTrabajo ) : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False ] |
| OPERATION infPedidos |
| infPedidos (pedido : Pedidos ) : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False ] |
| OPERATION insumosSector |
| insumosSector (ordenTrabajo : OrdenDeTrabajo ) : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False ] |
| OPERATION repSector |
| repSector (ordenTrabajo : OrdenDeTrabajo ) : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False ] |

## Insumos

### Gestión de Insumos Diagrama

Class diagram in package 'Insumos'



Gestión de Insumos

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### Insumo

Class in package 'Insumos'

| ATTRIBUTE cantidad |
| --- |
| cantidad : int Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE descripción |
| descripción : string Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE idInsumo |
| idInsumo : int Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE nombreInsumo |
| nombreInsumo : int Private  [ Is static False. Containment is Not Specified. ] |

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### Orden De Compra

Class in package 'Insumos'

| ATTRIBUTE costoEstimado |
| --- |
| costoEstimado : float Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE fecha |
| fecha : TipoFecha Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE idCompra |
| idCompra : int Private  [ Is static False. Containment is Not Specified. ] |

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### Stock

Class in package 'Insumos'

| ATTRIBUTE fechaMovimiento |
| --- |
| fechaMovimiento : TipoFecha Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE idInsumo |
| idInsumo : int Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE idMovimiento |
| idMovimiento : int Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE newStock |
| newStock : int Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE oldStock |
| oldStock : int Private  [ Is static False. Containment is Not Specified. ] |

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### TipoOC

Class in package 'Insumos'

| ATTRIBUTE descripción |
| --- |
| descripción : string Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE idTipoOC |
| idTipoOC : int Private  [ Is static False. Containment is Not Specified. ] |

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### itemOC

Class in package 'Insumos'

| ATTRIBUTE cantidad |
| --- |
| cantidad : int Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE idInsumo |
| idInsumo : Insumo Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE idOrdenDeCompra |
| idOrdenDeCompra : OrdenDeCompra Private  [ Is static False. Containment is Not Specified. ] |

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### Ver Suministro

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



Gestión de Pedidos

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### Estado

Iniciado, en Curso, Pendiente, Finalizado, etc.

| ATTRIBUTE descripción |
| --- |
| descripción : string Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE idEstado |
| idEstado : int Private  [ Is static False. Containment is Not Specified. ] |

| OPERATION agregarEstado |
| --- |
| agregarEstado (descripción : string ) : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False ] |
| OPERATION eliminarEstado |
| eliminarEstado (idEstado : int ) : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False ] |

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### Evento

Class in package 'Pedido'

| ATTRIBUTE descripción |
| --- |
| descripción : String Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE fechaFin |
| fechaFin : TipoFecha Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE fechaInicio |
| fechaInicio : TipoFecha Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE idEvento |
| idEvento : int Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE idUsuario |
| idUsuario : Usuario Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE nombre |
| nombre : String Private  [ Is static False. Containment is Not Specified. ] |

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### Historial Estado

Class in package 'Pedido'

| ATTRIBUTE descripción |
| --- |
| descripción : int Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE estado |
| estado : int Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE fecha |
| fecha : int Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE idHistorial |
| idHistorial : 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. ] |

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### Ítem Agente

Class in package 'Pedido'

| ATTRIBUTE agente |
| --- |
| agente : Agente Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE idItem |
| idItem : int Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE tarea |
| tarea : Tareas Private  [ Is static False. Containment is Not Specified. ] |

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### Ítem OT

Class in package 'Pedido'

| ATTRIBUTE idOrdenDeTrabajo |
| --- |
| idOrdenDeTrabajo : OrdenDeTrabajo Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE idPedido |
| idPedido : Pedido Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE idTarea |
| idTarea : Tarea Private  [ Is static False. Containment is Not Specified. ] |

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### OrdenDeTrabajo

Class in package 'Pedido'

| ATTRIBUTE estado |
| --- |
| estado : String Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE fechaFinOT |
| fechaFinOT : TipoFecha Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE fechaInicioOT |
| fechaInicioOT : TipoFecha Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE idOrdenTrabajo |
| idOrdenTrabajo : int Private  [ Is static False. Containment is Not Specified. ] |

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### Pedido

Class in package 'Pedido'

| ATTRIBUTE descripción |
| --- |
| descripción : string Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE estado |
| estado : String Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE fechaFin |
| fechaFin : TipoFecha Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE fechaInicio |
| fechaInicio : TipoFecha Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE idPedido |
| idPedido : Pedido Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE idSector |
| idSector : Sector Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE idUsuario |
| idUsuario : Usuario Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE prioridad |
| prioridad : String Private  [ Is static False. Containment is Not Specified. ] |

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### PedidoLargoPlazo

Class in package 'Pedido'

| ATTRIBUTE autorizado |
| --- |
| autorizado : boolean Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE disposicionNro |
| disposicionNro : int Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE responsableACargo |
| responsableACargo : Usuario Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE tiempoEstimado |
| tiempoEstimado : int Private  [ Is static False. Containment is Not Specified. ] |

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### Prioridad

Class in package 'Pedido'

Baja, Media, Alta, Urgente

| ATTRIBUTE descripción |
| --- |
| descripción : string Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE idPrioridad |
| idPrioridad : int Private  [ Is static False. Containment is Not Specified. ] |

| OPERATION agregarPrioridad |
| --- |
| agregarPrioridad (descripción : string ) : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False ] |
| OPERATION eliminarPrioridad |
| eliminarPrioridad (idTipoPrioridad : int ) : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False ] |

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### Tareas

Class in package 'Pedido'

| ATTRIBUTE descripción |
| --- |
| descripción : int Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE estado |
| estado : int Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE idEspecializacion |
| idEspecializacion : idEspecializacion Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE idPedido |
| idPedido : idPedido Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE idTarea |
| idTarea : idTarea Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE prioridad |
| prioridad : string Private  [ Is static False. Containment is Not Specified. ] |

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### itemInsumo

Class in package 'Pedido'

| ATTRIBUTE cantidad |
| --- |
| cantidad : int Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE idInsumo |
| idInsumo : Insumo Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE idPedido |
| idPedido : Pedido Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE idTarea |
| idTarea : Tarea Private  [ Is static False. Containment is Not Specified. ] |

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### Alerta

Interface in package 'Pedido'

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

## Usuarios

### Gestión de Usuarios Diagrama



Gestión de Usuarios

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### ListaPermiso

Class in package 'Usuarios'

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

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### Permiso

Class in package 'Usuarios'

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

### 

### Persona

Class in package 'Usuarios'

| ATTRIBUTE apellido |
| --- |
| apellido : string Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE direccion |
| direccion : int Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE dni |
| dni : int Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE fNacimiento |
| fNacimiento : int Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE mail |
| mail : int Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE nombre |
| nombre : string Private  [ Is static False. Containment is Not Specified. ] |

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### Rol

Class in package 'Usuarios'

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

### 

### Usuario

Class in package 'Usuarios'

| ATTRIBUTE idPersona |
| --- |
| idPersona : Persona Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE idRol |
| idRol : Rol Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE idUsuario |
| idUsuario : int Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE nombreUsuario |
| nombreUsuario : char Private  [ Is static False. Containment is Not Specified. ] |
| ATTRIBUTE password |
| password : char Private  [ Is static False. Containment is Not Specified. ] |