| Nombre | | person | | | | Creada | 09/11/2022 |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Descripcion | | Almacena la información personal básica de usuarios, empleados, clientes, receptores, etc. | | | | | |
|  | | | | | | | |
| Campo | Tipo | | Tamaño | V. defecto | Atributos | Descripción | |
| id | int | |  |  | PK |  | |
| identification | varchar | | 20 |  | UN | Documento identidad persona|negocio | |
| business\_name | varchar | | 100 |  | NULL | Nombre del negocio | |
| fisrt\_name | varchar | | 32 |  | NULL | Nombres | |
| last\_name | varchar | | 32 |  | NULL | Apellidos | |
| birth\_date | date | |  |  |  | Fecha de nacimiento o creación | |
| position\_id | int | |  |  | FK | Cargo o rol de la persona | |
|  | | | | | | | |
| Relaciones | | | | | Restricciones compuestas | | |
| Person - Position (position\_id) | | | | |  | | |

| Nombre | position | | | | Creada | 09/11/2022 |
| --- | --- | --- | --- | --- | --- | --- |
| Descripción | Almacena los roles que toma una persona natural o jurídica (chofer, comprador, receptor...) | | | | | |
|  | | | | | | |
| Campo | Tipo | Tamaño | V. defecto | Atributos | Descripción | |
| id | int |  |  | PK |  | |
| nombre | varchar |  |  | UN |  | |
| descripción | varchar |  |  | NULL |  | |
|  | | | | | | |
| Relaciones | | | | Restricciones compuestas | | |
|  | | | |  | | |

| Nombre | contact | | | | Creada | 09/11/2022 |
| --- | --- | --- | --- | --- | --- | --- |
| Descripción | Almacena contactos de las personas naturales o jurídicas | | | | | |
|  | | | | | | |
| Campo | Tipo | Tamaño | V. defecto | Atributos | Descripción | |
| id | int |  |  | PK |  | |
| type\_id | varchar |  |  | FK | Tipo (teléfono, email...) | |
| address | varchar |  |  |  | Contacto (número o direccion) | |
| person\_id | int |  |  | FK |  | |
|  | | | | | | |
| Relaciones | | | | Restricciones compuestas | | |
| contact - contact\_type (type\_id) | | | |  | | |
| contact - person (person\_id) | | | |  | | |

| Nombre | contact\_type | | | | Creada | 09/11/2022 |
| --- | --- | --- | --- | --- | --- | --- |
| Descripción | Almacena los tipos de contacto admitidos | | | | | |
|  | | | | | | |
| Campo | Tipo | Tamaño | V. defecto | Atributos | Descripción | |
| id | int |  |  | PK |  | |
| nombre | varchar |  |  | UN |  | |
| descripción | varchar |  |  | NULL |  | |
|  | | | | | | |
| Relaciones | | | | Restricciones compuestas | | |
|  | | | |  | | |

| Nombre | hidrocarbon | | | | Creada | 09/11/2022 |
| --- | --- | --- | --- | --- | --- | --- |
| Descripción | Almacena los diferentes tipos de hidrocarburos a vender | | | | | |
|  | | | | | | |
| Campo | Tipo | Tamaño | V. defecto | Atributos | Descripción | |
| id | int |  |  | PK |  | |
| nombre | varchar |  |  | UN |  | |
| descripción | varchar |  |  | NULL |  | |
|  | | | | | | |
| Relaciones | | | | Restricciones compuestas | | |
|  | | | |  | | |

| Nombre | coverage\_zone | | | | Creada | 09/11/2022 |
| --- | --- | --- | --- | --- | --- | --- |
| Descripción | Almacena los zonas (ciudades en la que el servicio esta disponible) | | | | | |
|  | | | | | | |
| Campo | Tipo | Tamaño | V. defecto | Atributos | Descripción | |
| id | int |  |  | PK |  | |
| ubigeo | varchar | 12 |  |  | Codigo global que identifica la zona | |
| nombre | varchar | 32 |  | UN |  | |
| descripción | varchar | 1000 |  | NULL |  | |
|  | | | | | | |
| Relaciones | | | | Restricciones compuestas | | |
|  | | | |  | | |

| Nombre | user | | | | Creada | 09/11/2022 |
| --- | --- | --- | --- | --- | --- | --- |
| Descripción | Almacena los usuarios que acceden al sistema | | | | | |
|  | | | | | | |
| Campo | Tipo | Tamaño | V. defecto | Atributos | Descripción | |
| id | int |  |  | PK |  | |
| username | varchar | 32 |  | UN |  | |
| password | varchar | 32 |  |  | Contraseña (cifrada) | |
| enabled | bool |  | true |  | Activa o desactiva un usuario | |
| person\_id |  |  |  | FK |  | |
|  | | | | | | |
| Relaciones | | | | Restricciones compuestas | | |
| user - person (person\_id) | | | |  | | |

| Nombre | vehicle | | | | Creada | 09/11/2022 |
| --- | --- | --- | --- | --- | --- | --- |
| Descripción | Almacena los vehiculos de la compañia | | | | | |
|  | | | | | | |
| Campo | Tipo | Tamaño | V. defecto | Atributos | Descripción | |
| id | int |  |  | PK |  | |
| plate | varchar | 10 |  | UN | Placa del vehiculo | |
| manufacturing\_date | date |  |  | NULL | Año del vehiculo | |
| status\_id | int |  |  | FK |  | |
|  | | | | | | |
| Relaciones | | | | Restricciones compuestas | | |
| vehicle - vehicle\_status (status\_id) | | | |  | | |

| Nombre | vehicle\_status | | | | Creada | 09/11/2022 |
| --- | --- | --- | --- | --- | --- | --- |
| Descripción | Almacena las diferentes condiciones en las que puede estar un vehiculo de la empresa (operativo, en mantenimiento, fuera de servicio...) | | | | | |
|  | | | | | | |
| Campo | Tipo | Tamaño | V. defecto | Atributos | Descripción | |
| id | int |  |  | PK |  | |
| nombre | varchar |  |  | UN |  | |
| descripción | varchar |  |  | NULL |  | |
|  | | | | | | |
| Relaciones | | | | Restricciones compuestas | | |
|  | | | |  | | |

| Nombre | purchase\_order\_status | | | | Creada | 09/11/2022 |
| --- | --- | --- | --- | --- | --- | --- |
| Descripción | Almacena los distintos status por los que puede atravesar una orden de compra | | | | | |
|  | | | | | | |
| Campo | Tipo | Tamaño | V. defecto | Atributos | Descripción | |
| id | int |  |  | PK |  | |
| nombre | varchar |  |  | UN |  | |
| descripción | varchar |  |  | NULL |  | |
|  | | | | | | |
| Relaciones | | | | Restricciones compuestas | | |
|  | | | |  | | |

| Nombre | purchase\_order\_history | | | | Creada | 09/11/2022 |
| --- | --- | --- | --- | --- | --- | --- |
| Descripción | Almacena todos los cambios de status que atraviesa una orden de compra | | | | | |
|  | | | | | | |
| Campo | Tipo | Tamaño | V. defecto | Atributos | Descripción | |
| id | int |  |  | PK |  | |
| status\_id | int |  |  | FK | Id status asignado | |
| responsible\_id | int |  |  | FK, NULL | Id persona que solicita o autoriza el cambio | |
| purchase\_order\_id | int |  |  | FK | Id orden de compra | |
| created | timestamp |  | now() |  | Fecha de creacion del registro | |
| created\_by | int |  |  | FK | Id usuario | |
| reason | varchar | 1000 |  | NULL | Explicación de los motivos del cambio | |
|  | | | | | | |
| Relaciones | | | | Restricciones compuestas | | |
| purchase\_order\_history - purchase\_order\_status (status\_id) | | | |  | | |
| purchase\_order\_history - purchase\_order (purchase\_order\_id) | | | |  | | |
| purchase\_order\_history - user (created\_id) | | | |  | | |
| purchase\_order\_history - person (responsible\_id) | | | |  | | |

| Nombre | purchase\_order | | | | Creada | 09/11/2022 |
| --- | --- | --- | --- | --- | --- | --- |
| Descripción | Almacena las ordenes de compra | | | | | |
|  | | | | | | |
| Campo | Tipo | Tamaño | V. defecto | Atributos | Descripción | |
| id | int |  |  | PK |  | |
| order\_number | varchar |  |  | UN | Número de orden | |
| liters | numeric |  |  |  | Cantidad a comprar en litros | |
| hidrocarbon\_id | int |  |  | FK | Tipo de hidrocarburo a comprar | |
| unit\_price | numeric |  |  |  | Precio por litro | |
| gross\_price | numeric |  |  |  | Precio bruto | |
| net\_price | numeric |  |  |  | Precio neto | |
| discount | numeric |  | 0 |  | Descuento | |
| price | numeric |  |  |  | Precio total | |
| buyer\_id | int |  |  | FK | Id del comprador | |
| status\_id | int |  |  | FK | Id del ultimo cambio de estatus | |
| created | timestamp |  | now() |  | Fecha de creación | |
| created\_by | int |  |  | FK | Id usuario que creó el registro | |
|  | | | | | | |
| Relaciones | | | | Restricciones compuestas | | |
| purchase\_order - hidrocarbon (hidrocarbon\_id) | | | |  | | |
| purchase\_order - person (buyer\_id) | | | |  | | |
| purchase\_order - purchase\_order\_history (status\_id) | | | |  | | |
| purchase\_order - user (created\_by) | | | |  | | |

| Nombre | delivery\_order\_status | | | | Creada | 09/11/2022 |
| --- | --- | --- | --- | --- | --- | --- |
| Descripción | Almacena los distintos status por los que puede atravesar una orden de entrega | | | | | |
|  | | | | | | |
| Campo | Tipo | Tamaño | V. defecto | Atributos | Descripción | |
| id | int |  |  | PK |  | |
| nombre | varchar |  |  | UN |  | |
| descripción | varchar |  |  | NULL |  | |
|  | | | | | | |
| Relaciones | | | | Restricciones compuestas | | |
|  | | | |  | | |
| Nombre | delivery\_order\_history | | | | Creada | 09/11/2022 |
| Descripción | Almacena todos los cambios de status que atraviesa una orden de entrega | | | | | |
|  | | | | | | |
| Campo | Tipo | Tamaño | V. defecto | Atributos | Descripción | |
| id | int |  |  | PK |  | |
| status\_id | int |  |  | FK | Id status asignado | |
| responsible\_id | int |  |  | FK, NULL | Id persona que solicita o autoriza el cambio | |
| delivery\_order\_id | int |  |  | FK | Id orden de entrega | |
| created | timestamp |  | now() |  | Fecha de creacion del registro | |
| created\_by | int |  |  | FK | Id usuario | |
| reason | varchar | 1000 |  | NULL | Explicación de los motivos del cambio | |
|  | | | | | | |
| Relaciones | | | | Restricciones compuestas | | |
| delivery\_order\_history - delivery\_order\_status (status\_id) | | | |  | | |
| delivery\_order\_history - delivery\_order (delivery\_order\_id) | | | |  | | |
| delivery\_order\_history - user (created\_id) | | | |  | | |
| delivery\_order\_history - person (responsible\_id) | | | |  | | |

| Nombre | delivery\_order | | | | Creada | 09/11/2022 |
| --- | --- | --- | --- | --- | --- | --- |
| Descripción | Almacena las ordenes de entrega | | | | | |
|  | | | | | | |
| Campo | Tipo | Tamaño | V. defecto | Atributos | Descripción | |
| id | int |  |  | PK |  | |
| scheduled\_send\_date | timestamp |  |  |  | Fecha de envio programada | |
| scheduled\_deliver\_date | timestamp |  |  |  | Fecha de entrega programada | |
| destiny\_zone\_id | int |  |  | FK | Zona de covertura donde se realizará la entrega | |
| destiny\_address | varchar |  |  |  | Descripción escrita de la ubicación de la entrega | |
| destiny\_location | JSON |  |  |  | Posicion geoespacial {lat, lgn} de la ubicación de entrega | |
| deliver\_date | timestamp |  |  | NULL | Marca de tiempo en que fue realmente entregado | |
| status\_id | int |  |  | FK | Último cambio de estatus asociado a la orden de entrega | |
| purchase\_order\_id | int |  |  | FK | Id de la orden de entrega | |
| driver\_id | int |  |  | FK | Id del chofer | |
| vehicle\_id | int |  |  | FK | Id del vehículo | |
| receiver\_id | int |  |  | FK | Id de la persona que recibe | |
| created | timestamp |  |  | now() | Marca de tiempo en la que se creó el registro | |
| created\_by | int |  |  | FK | Id del usurio que creó el registro | |
|  | | | | | | |
| Relaciones | | | | Restricciones compuestas | | |
| delivery\_order - coverage\_zone (destiny\_zone\_id) | | | |  | | |
| delivery\_order - delivery\_order\_history (status\_id) | | | |  | | |
| delivery\_order - purchase\_order (purchase\_order\_id) | | | |  | | |
| delivery\_order - person (driver\_id) | | | |  | | |
| delivery\_order - vehicle (vehicle\_id) | | | |  | | |
| delivery\_order - person (receiver\_id) | | | |  | | |
| delivery\_order - user (created\_by) | | | |  | | |