**Documento de Especificación**

****

**de la Base de Datos**

****

1. **Referencias a nivel de modelo**
   1. Lista de referencias

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Code | Parent Table | Child Table |
| Reference\_1 | REFERENCE\_1 | procedimientos | tiempo\_real |
| Reference\_2 | REFERENCE\_2 | roles | users |
| Reference\_3 | REFERENCE\_3 | historial\_caja | operaciones\_caja |
| Reference\_4 | REFERENCE\_4 | historial\_caja | caja\_actual |
| Reference\_5 | REFERENCE\_5 | platos | pedidos |
| Reference\_6 | REFERENCE\_6 | mesa | pedidos |
| Reference\_7 | REFERENCE\_7 | platos | platos\_insumos |
| Reference\_8 | REFERENCE\_8 | insumos | platos\_insumos |
| Reference\_9 | REFERENCE\_9 | insumos | almacen |
| Reference\_10 | REFERENCE\_10 | insumos | proveedores\_insumos |
| Reference\_11 | REFERENCE\_11 | proveedores | proveedores\_insumos |

#### Referencia Reference\_1

#### Tarjeta de referencia Reference\_1

|  |  |
| --- | --- |
| Name | Reference\_1 |
| Code | REFERENCE\_1 |
| Parent Table | procedimientos |
| Child Table | tiempo\_real |

* + 1. Vista previa del código de la referencia Reference\_1

if exists (select 1 from sys.sysforeignkey where role='FK\_TIEMPO\_R\_REFERENCE\_PROCEDIM') then alter table TIEMPO\_REAL

delete foreign key FK\_TIEMPO\_R\_REFERENCE\_PROCEDIM

end if;

alter table TIEMPO\_REAL

add constraint FK\_TIEMPO\_R\_REFERENCE\_PROCEDIM foreign key (IDPROCEDIMIENTOS)

references PROCEDIMIENTOS (IDPROCEDIMIENTOS)

on update restrict

on delete restrict;

* + 1. Lista de joins de referencia de la referencia Reference\_1

|  |  |
| --- | --- |
| Parent Table Column | Child Table Column |
| idprocedimientos | idprocedimientos |

#### Referencia Reference\_2

#### Tarjeta de referencia Reference\_2

|  |  |
| --- | --- |
| Name | Reference\_2 |
| Code | REFERENCE\_2 |
| Parent Table | roles |
| Child Table | users |

* + 1. Vista previa del código de la referencia Reference\_2

if exists(select 1 from sys.sysforeignkey where role='FK\_USERS\_REFERENCE\_ROLES') then

alter table USERS

delete foreign key FK\_USERS\_REFERENCE\_ROLES

end if;

alter table USERS

add constraint FK\_USERS\_REFERENCE\_ROLES foreign key (IDROL)

references ROLES (IDROL)

on update restrict

on delete restrict;

* + 1. Lista de joins de referencia de la referencia Reference\_2

|  |  |
| --- | --- |
| Parent Table Column | Child Table Column |
| idrol | idrol |

#### Referencia Reference\_3

#### Tarjeta de referencia Reference\_3

|  |  |
| --- | --- |
| Name | Reference\_3 |
| Code | REFERENCE\_3 |
| Parent Table | historial\_caja |
| Child Table | operaciones\_caja |

* + 1. Vista previa del código de la referencia Reference\_3

if exists(select 1 from sys.sysforeignkey where role='FK\_OPERACIO\_REFERENCE\_HISTORIA') then

alter table OPERACIONES\_CAJA

delete foreign key FK\_OPERACIO\_REFERENCE\_HISTORIA

end if;

alter table OPERACIONES\_CAJA

add constraint FK\_OPERACIO\_REFERENCE\_HISTORIA foreign key (IDHISTORIAL\_CAJA)

references HISTORIAL\_CAJA (IDHISTORIAL\_CAJA)

on update restrict

on delete restrict;

* + 1. Lista de joins de referencia de la referencia Reference\_3

|  |  |
| --- | --- |
| Parent Table Column | Child Table Column |
| idhistorial\_caja | idhistorial\_caja |

#### Referencia Reference\_4

#### Tarjeta de referencia Reference\_4

|  |  |
| --- | --- |
| Name | Reference\_4 |
| Code | REFERENCE\_4 |
| Parent Table | historial\_caja |
| Child Table | caja\_actual |

* + 1. Vista previa del código de la referencia Reference\_4

if exists(select 1 from sys.sysforeignkey where role='FK\_CAJA\_ACT\_REFERENCE\_HISTORIA') then

alter table CAJA\_ACTUAL

delete foreign key FK\_CAJA\_ACT\_REFERENCE\_HISTORIA

end if;

alter table CAJA\_ACTUAL

add constraint FK\_CAJA\_ACT\_REFERENCE\_HISTORIA foreign key (IDHISTORIAL\_CAJA)

references HISTORIAL\_CAJA (IDHISTORIAL\_CAJA)

on update restrict

on delete restrict;

* + 1. Lista de joins de referencia de la referencia Reference\_4

|  |  |
| --- | --- |
| Parent Table Column | Child Table Column |
| idhistorial\_caja | idhistorial\_caja |

#### Referencia Reference\_5

#### Tarjeta de referencia Reference\_5

|  |  |
| --- | --- |
| Name | Reference\_5 |
| Code | REFERENCE\_5 |
| Parent Table | platos |
| Child Table | pedidos |

* + 1. Vista previa del código de la referencia Reference\_5

if exists(select 1 from sys.sysforeignkey where role='FK\_PEDIDOS\_REFERENCE\_PLATOS') then

alter table PEDIDOS

delete foreign key FK\_PEDIDOS\_REFERENCE\_PLATOS

end if;

alter table PEDIDOS

add constraint FK\_PEDIDOS\_REFERENCE\_PLATOS foreign key (IDPLATO)

references PLATOS (IDPLATO)

on update restrict

on delete restrict;

* + 1. Lista de joins de referencia de la referencia Reference\_5

|  |  |
| --- | --- |
| Parent Table Column | Child Table Column |
| idplato | idplato |

#### Referencia Reference\_6

#### Tarjeta de referencia Reference\_6

|  |  |
| --- | --- |
| Name | Reference\_6 |
| Code | REFERENCE\_6 |
| Parent Table | mesa |
| Child Table | pedidos |

* + 1. Vista previa del código de la referencia Reference\_6

if exists(select 1 from sys.sysforeignkey where role='FK\_PEDIDOS\_REFERENCE\_MESA') then

alter table PEDIDOS

delete foreign key FK\_PEDIDOS\_REFERENCE\_MESA

end if;

alter table PEDIDOS

add constraint FK\_PEDIDOS\_REFERENCE\_MESA foreign key (NUM\_MESA)

references MESA (NUM\_MESA)

on update restrict

on delete restrict;

* + 1. Lista de joins de referencia de la referencia Reference\_6

|  |  |
| --- | --- |
| Parent Table Column | Child Table Column |
| num\_mesa | num\_mesa |

#### Referencia Reference\_7

#### Tarjeta de referencia Reference\_7

|  |  |
| --- | --- |
| Name | Reference\_7 |
| Code | REFERENCE\_7 |
| Parent Table | platos |
| Child Table | platos\_insumos |

* + 1. Vista previa del código de la referencia Reference\_7

if exists(select 1 from sys.sysforeignkey where role='FK\_PLATOS\_I\_REFERENCE\_PLATOS') then

alter table PLATOS\_INSUMOS

delete foreign key FK\_PLATOS\_I\_REFERENCE\_PLATOS

end if;

alter table PLATOS\_INSUMOS

add constraint FK\_PLATOS\_I\_REFERENCE\_PLATOS foreign key (IDPLATO)

references PLATOS (IDPLATO)

on update restrict

on delete restrict;

* + 1. Lista de joins de referencia de la referencia Reference\_7

|  |  |
| --- | --- |
| Parent Table Column | Child Table Column |
| idplato | idplato |

#### Referencia Reference\_8

#### Tarjeta de referencia Reference\_8

|  |  |
| --- | --- |
| Name | Reference\_8 |
| Code | REFERENCE\_8 |
| Parent Table | insumos |
| Child Table | platos\_insumos |

* + 1. Vista previa del código de la referencia Reference\_8

if exists(select 1 from sys.sysforeignkey where role='FK\_PLATOS\_I\_REFERENCE\_INSUMOS') then

alter table PLATOS\_INSUMOS

delete foreign key FK\_PLATOS\_I\_REFERENCE\_INSUMOS

end if;

alter table PLATOS\_INSUMOS

add constraint FK\_PLATOS\_I\_REFERENCE\_INSUMOS foreign key (IDINSUMO)

references INSUMOS (IDINSUMO)

on update restrict

on delete restrict;

* + 1. Lista de joins de referencia de la referencia Reference\_8

|  |  |
| --- | --- |
| Parent Table Column | Child Table Column |
| idinsumo | idinsumo |

#### Referencia Reference\_9

#### Tarjeta de referencia Reference\_9

|  |  |
| --- | --- |
| Name | Reference\_9 |
| Code | REFERENCE\_9 |
| Parent Table | insumos |
| Child Table | almacen |

* + 1. Vista previa del código de la referencia Reference\_9

if exists(select 1 from sys.sysforeignkey where role='FK\_ALMACEN\_REFERENCE\_INSUMOS') then

alter table ALMACEN

delete foreign key FK\_ALMACEN\_REFERENCE\_INSUMOS

end if;

alter table ALMACEN

add constraint FK\_ALMACEN\_REFERENCE\_INSUMOS foreign key (IDINSUMO)

references INSUMOS (IDINSUMO)

on update restrict

on delete restrict;

* + 1. Lista de joins de referencia de la referencia Reference\_9

|  |  |
| --- | --- |
| Parent Table Column | Child Table Column |
| idinsumo | idinsumo |

#### Referencia Reference\_10

#### Tarjeta de referencia Reference\_10

|  |  |
| --- | --- |
| Name | Reference\_10 |
| Code | REFERENCE\_10 |
| Parent Table | insumos |
| Child Table | proveedores\_insumos |

* + 1. Vista previa del código de la referencia Reference\_10

if exists(select 1 from sys.sysforeignkey where role='FK\_PROVEEDO\_REFERENCE\_INSUMOS') then

alter table PROVEEDORES\_INSUMOS

delete foreign key FK\_PROVEEDO\_REFERENCE\_INSUMOS

end if;

alter table PROVEEDORES\_INSUMOS

add constraint FK\_PROVEEDO\_REFERENCE\_INSUMOS foreign key (IDINSUMO)

references INSUMOS (IDINSUMO)

on update restrict

on delete restrict;

* + 1. Lista de joins de referencia de la referencia Reference\_10

|  |  |
| --- | --- |
| Parent Table Column | Child Table Column |
| idinsumo | idinsumo |

#### Referencia Reference\_11

#### Tarjeta de referencia Reference\_11

|  |  |
| --- | --- |
| Name | Reference\_11 |
| Code | REFERENCE\_11 |
| Parent Table | proveedores |
| Child Table | proveedores\_insumos |

* + 1. Vista previa del código de la referencia Reference\_11

if exists(select 1 from sys.sysforeignkey where role='FK\_PROVEEDO\_REFERENCE\_PROVEEDO') then

alter table PROVEEDORES\_INSUMOS

delete foreign key FK\_PROVEEDO\_REFERENCE\_PROVEEDO

end if;

alter table PROVEEDORES\_INSUMOS

add constraint FK\_PROVEEDO\_REFERENCE\_PROVEEDO foreign key (IDPROVEEDOR)

references PROVEEDORES (IDPROVEEDOR)

on update restrict

on delete restrict;

* + 1. Lista de joins de referencia de la referencia Reference\_11

|  |  |
| --- | --- |
| Parent Table Column | Child Table Column |
| idproveedor | idproveedor |

1. **Tablas**
   1. Tablas a nivel del modelo
      1. Lista de tablas

|  |  |
| --- | --- |
| Name | Code |
| almacen | ALMACEN |
| caja\_actual | CAJA\_ACTUAL |
| historial\_almacen | HISTORIAL\_ALMACEN |
| historial\_caja | HISTORIAL\_CAJA |
| historial\_pedidos | HISTORIAL\_PEDIDOS |
| insumos | INSUMOS |
| mesa | MESA |
| operaciones\_caja | OPERACIONES\_CAJA |
| pedidos | PEDIDOS |
| platos | PLATOS |
| platos\_insumos | PLATOS\_INSUMOS |
| procedimientos | PROCEDIMIENTOS |
| proveedores | PROVEEDORES |
| proveedores\_insumos | PROVEEDORES\_INSUMOS |
| roles | ROLES |
| tiempo\_real | TIEMPO\_REAL |
| users | USERS |

* + 1. Lista de columnas de la tabla

|  |  |
| --- | --- |
| Name | Code |
| idtiempo\_real | IDTIEMPO\_REAL |
| idprocedimientos | IDPROCEDIMIENTOS |
| idprocedimiento | IDPROCEDIMIENTO |
| iduser | IDUSER |
| token | TOKEN |
| esta\_modificado | ESTA\_MODIFICADO |
| idhistorial | IDHISTORIAL |
| es\_ajuste | ES\_AJUSTE |
| idinsumo | IDINSUMO |
| idalmacenero | IDALMACENERO |
| cantidad | CANTIDAD |
| descripcion | DESCRIPCION |
| created\_at | CREATED\_AT |
| idhistorial\_caja | IDHISTORIAL\_CAJA |
| monto\_inicial | MONTO\_INICIAL |
| monto\_final\_calculado | MONTO\_FINAL\_CALCULADO |
| monto\_final\_ingresado | MONTO\_FINAL\_INGRESADO |
| created\_at | CREATED\_AT |
| update\_at | UPDATE\_AT |
| idoperaciones | IDOPERACIONES |
| idhistorial\_caja | IDHISTORIAL\_CAJA |
| monto | MONTO |
| descripcion | DESCRIPCION |
| idcajero | IDCAJERO |
| created\_at | CREATED\_AT |
| idprocedimientos | IDPROCEDIMIENTOS |
| nombre\_procedimiento | NOMBRE\_PROCEDIMIENTO |
| idcaja | IDCAJA |
| idhistorial\_caja | IDHISTORIAL\_CAJA |
| monto\_actual | MONTO\_ACTUAL |
| idactual\_historial\_caja | IDACTUAL\_HISTORIAL\_CAJA |
| idrol | IDROL |
| nombre\_rol | NOMBRE\_ROL |
| idusers | IDUSERS |
| idrol | IDROL |
| username | USERNAME |
| password | PASSWORD |
| nombre\_usuario | NOMBRE\_USUARIO |
| esta\_activo | ESTA\_ACTIVO |
| created\_at | CREATED\_AT |
| update\_at | UPDATE\_AT |
| idhistorial\_pedidos | IDHISTORIAL\_PEDIDOS |
| idplato | IDPLATO |
| idmozo | IDMOZO |
| monto | MONTO |
| created\_at | CREATED\_AT |
| idpedido | IDPEDIDO |
| idplato | IDPLATO |
| num\_mesa | NUM\_MESA |
| idmozo | IDMOZO |
| estado | ESTADO |
| created\_at | CREATED\_AT |
| updated\_at | UPDATED\_AT |
| idplato | IDPLATO |
| idinsumo | IDINSUMO |
| cantidad | CANTIDAD |
| num\_mesa | NUM\_MESA |
| esta\_activa | ESTA\_ACTIVA |
| created\_at | CREATED\_AT |
| updated\_at | UPDATED\_AT |
| idproveedor | IDPROVEEDOR |
| nombre\_proveedor | NOMBRE\_PROVEEDOR |
| direccion\_proveedor | DIRECCION\_PROVEEDOR |
| descripcion | DESCRIPCION |
| created\_at | CREATED\_AT |
| updated\_at | UPDATED\_AT |
| idinsumo | IDINSUMO |
| nombre\_insumo | NOMBRE\_INSUMO |
| cantidad\_minima | CANTIDAD\_MINIMA |
| created\_at | CREATED\_AT |
| updated\_at | UPDATED\_AT |
| idproveedor | IDPROVEEDOR |
| idinsumo | IDINSUMO |
| precio\_por\_unidad | PRECIO\_POR\_UNIDAD |
| idinsumo | IDINSUMO |
| cantidad | CANTIDAD |
| created\_at | CREATED\_AT |
| updated\_at | UPDATED\_AT |
| idplato | IDPLATO |
| nombre\_plato | NOMBRE\_PLATO |
| precio | PRECIO |
| estado\_activo | ESTADO\_ACTIVO |
| necesita\_preparacion | NECESITA\_PREPARACION |
| created\_at | CREATED\_AT |
| updated\_at | UPDATED\_AT |

* + 1. Lista de claves de tabla

|  |  |  |
| --- | --- | --- |
| Name | Code | Table |
| Key\_1 | KEY\_1 | tiempo\_real |
| Key\_1 | KEY\_1 | historial\_almacen |
| Key\_1 | KEY\_1 | historial\_caja |
| Key\_1 | KEY\_1 | operaciones\_caja |
| Key\_1 | KEY\_1 | procedimientos |
| Key\_1 | KEY\_1 | caja\_actual |
| Key\_1 | KEY\_1 | roles |
| Key\_1 | KEY\_1 | users |
| Key\_1 | KEY\_1 | historial\_pedidos |
| Key\_1 | KEY\_1 | pedidos |
| Key\_1 | KEY\_1 | platos\_insumos |
| Key\_1 | KEY\_1 | mesa |
| Key\_1 | KEY\_1 | proveedores |
| Key\_1 | KEY\_1 | insumos |
| Key\_1 | KEY\_1 | proveedores\_insumos |
| Key\_1 | KEY\_1 | almacen |
| Key\_1 | KEY\_1 | platos |

* + 1. Tabla almacen
       1. Lista de columnas de la tabla almacen

|  |  |
| --- | --- |
| Name | Code |
| idinsumo | IDINSUMO |
| cantidad | CANTIDAD |
| created\_at | CREATED\_AT |
| updated\_at | UPDATED\_AT |

* + - 1. Vista previa del código de la tabla almacen

if exists(select 1 from sys.sysforeignkey where role='FK\_ALMACEN\_REFERENCE\_INSUMOS') then

alter table ALMACEN

delete foreign key FK\_ALMACEN\_REFERENCE\_INSUMOS

end if;

drop table if exists ALMACEN;

/\*==============================================================\*/

/\* Table: ALMACEN \*/

/\*==============================================================\*/

create table ALMACEN

(

IDINSUMO int not null,

CANTIDAD decimal(8.2) not null,

CREATED\_AT timestamp not null,

UPDATED\_AT timestamp not null,

constraint PK\_ALMACEN primary key clustered (IDINSUMO)

);

alter table ALMACEN

add constraint FK\_ALMACEN\_REFERENCE\_INSUMOS foreign key (IDINSUMO)

references INSUMOS (IDINSUMO)

on update restrict

on delete restrict;

* + 1. Tabla caja\_actual
       1. Lista de columnas de la tabla caja\_actual

|  |  |
| --- | --- |
| Name | Code |
| idcaja | IDCAJA |
| idhistorial\_caja | IDHISTORIAL\_CAJA |
| monto\_actual | MONTO\_ACTUAL |
| idactual\_historial\_caja | IDACTUAL\_HISTORIAL\_CAJA |

* + - 1. Vista previa del código de la tabla caja\_actual

if exists(select 1 from sys.sysforeignkey where role='FK\_CAJA\_ACT\_REFERENCE\_HISTORIA') then

alter table CAJA\_ACTUAL

delete foreign key FK\_CAJA\_ACT\_REFERENCE\_HISTORIA

end if;

drop table if exists CAJA\_ACTUAL;

/\*==============================================================\*/

/\* Table: CAJA\_ACTUAL \*/

/\*==============================================================\*/

create table CAJA\_ACTUAL

(

IDCAJA int not null,

IDHISTORIAL\_CAJA int null,

MONTO\_ACTUAL decimal(8.2) not null,

IDACTUAL\_HISTORIAL\_CAJA int not null,

constraint PK\_CAJA\_ACTUAL primary key clustered (IDCAJA)

);

alter table CAJA\_ACTUAL

add constraint FK\_CAJA\_ACT\_REFERENCE\_HISTORIA foreign key (IDHISTORIAL\_CAJA)

references HISTORIAL\_CAJA (IDHISTORIAL\_CAJA)

on update restrict

on delete restrict;

* + 1. Tabla historial\_almacen
       1. Lista de columnas de la tabla historial\_almacen

|  |  |
| --- | --- |
| Name | Code |
| idhistorial | IDHISTORIAL |
| es\_ajuste | ES\_AJUSTE |
| idinsumo | IDINSUMO |
| idalmacenero | IDALMACENERO |
| cantidad | CANTIDAD |
| descripcion | DESCRIPCION |
| created\_at | CREATED\_AT |

* + - 1. Vista previa del código de la tabla historial\_almacen

drop table if exists HISTORIAL\_ALMACEN;

/\*==============================================================\*/

/\* Table: HISTORIAL\_ALMACEN \*/

/\*==============================================================\*/

create table HISTORIAL\_ALMACEN

(

IDHISTORIAL int not null,

ES\_AJUSTE tinyint not null,

IDINSUMO int not null,

IDALMACENERO int not null,

CANTIDAD decimal(08,2) not null,

DESCRIPCION varchar(120) not null,

CREATED\_AT datetime not null,

constraint PK\_HISTORIAL\_ALMACEN primary key clustered (IDHISTORIAL)

);

* + 1. Tabla historial\_caja
       1. Lista de columnas de la tabla historial\_caja

|  |  |
| --- | --- |
| idhistorial\_caja | IDHISTORIAL\_CAJA |
| monto\_inicial | MONTO\_INICIAL |
| monto\_final\_calculado | MONTO\_FINAL\_CALCULADO |
| monto\_final\_ingresado | MONTO\_FINAL\_INGRESADO |
| created\_at | CREATED\_AT |
| update\_at | UPDATE\_AT |

* + - 1. Vista previa del código de la tabla historial\_caja

if exists(select 1 from sys.sysforeignkey where role='FK\_CAJA\_ACT\_REFERENCE\_HISTORIA') then

alter table CAJA\_ACTUAL

delete foreign key FK\_CAJA\_ACT\_REFERENCE\_HISTORIA

end if;

if exists(select 1 from sys.sysforeignkey where role='FK\_OPERACIO\_REFERENCE\_HISTORIA') then

alter table OPERACIONES\_CAJA

delete foreign key FK\_OPERACIO\_REFERENCE\_HISTORIA

end if;

drop table if exists HISTORIAL\_CAJA;

/\*==============================================================\*/

/\* Table: HISTORIAL\_CAJA \*/

/\*==============================================================\*/

create table HISTORIAL\_CAJA

(

IDHISTORIAL\_CAJA int not null,

MONTO\_INICIAL decimal(8.2) not null,

MONTO\_FINAL\_CALCULADO decimal(8.2) not null,

MONTO\_FINAL\_INGRESADO decimal(8.2) not null,

CREATED\_AT timestamp not null,

UPDATE\_AT timestamp not null,

constraint PK\_HISTORIAL\_CAJA primary key clustered (IDHISTORIAL\_CAJA)

);