TP integrador parte 1 -BASE DE DATOS

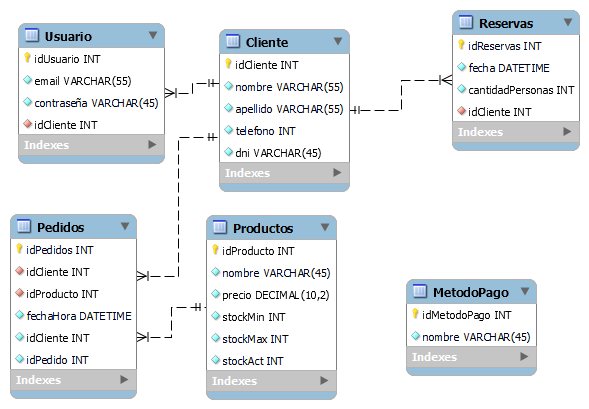
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Ciclo lectivo: 2021

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# MODELO RELACIONAL



# SCRIPT DDL

USE bar;

-- MySQL Script generated by MySQL Workbench

-- Wed Oct 27 23:35:12 2021

-- Model: New Model Version: 1.0

-- MySQL Workbench Forward Engineering

SET @OLD\_UNIQUE\_CHECKS=@@UNIQUE\_CHECKS, UNIQUE\_CHECKS=0;

SET @OLD\_FOREIGN\_KEY\_CHECKS=@@FOREIGN\_KEY\_CHECKS, FOREIGN\_KEY\_CHECKS=0;

SET @OLD\_SQL\_MODE=@@SQL\_MODE, SQL\_MODE='ONLY\_FULL\_GROUP\_BY,STRICT\_TRANS\_TABLES,NO\_ZERO\_IN\_DATE,NO\_ZERO\_DATE,ERROR\_FOR\_DIVISION\_BY\_ZERO,NO\_ENGINE\_SUBSTITUTION';

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-- Schema bar

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CREATE SCHEMA IF NOT EXISTS `bar` DEFAULT CHARACTER SET utf8 ;

USE `bar` ;

-- -----------------------------------------------------

-- Table `bar`.`Cliente`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `bar`.`Cliente` (

`idCliente` INT NOT NULL AUTO\_INCREMENT,

`nombre` VARCHAR(55) NOT NULL,

`apellido` VARCHAR(55) NOT NULL,

`telefono` VARCHAR(30) NOT NULL,

`dni` VARCHAR(45) NOT NULL,

PRIMARY KEY (`idCliente`))

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `bar`.`Usuario`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `bar`.`Usuario` (

`idUsuario` INT NOT NULL AUTO\_INCREMENT,

`email` VARCHAR(55) NOT NULL,

`contraseña` VARCHAR(45) NOT NULL,

`idCliente` INT NOT NULL,

PRIMARY KEY (`idUsuario`),

INDEX `FK\_Usuario\_Cliente\_idx` (`idCliente` ASC) VISIBLE,

CONSTRAINT `FK\_Usuario\_Cliente`

FOREIGN KEY (`idCliente`)

REFERENCES `bar`.`Cliente` (`idCliente`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `bar`.`Reservas`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `bar`.`Reservas` (

`idReservas` INT NOT NULL AUTO\_INCREMENT,

`fecha` DATETIME NOT NULL,

`cantidadPersonas` INT NOT NULL,

`idCliente` INT NOT NULL,

PRIMARY KEY (`idReservas`),

INDEX `FK\_Reservas\_Cliente\_idx` (`idCliente` ASC) VISIBLE,

CONSTRAINT `FK\_Reservas\_Cliente`

FOREIGN KEY (`idCliente`)

REFERENCES `bar`.`Cliente` (`idCliente`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `bar`.`Productos`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `bar`.`Productos` (

`idProducto` INT NOT NULL AUTO\_INCREMENT,

`nombre` VARCHAR(45) NOT NULL,

`precio` DECIMAL(10,2) NOT NULL,

`stockMin` INT NOT NULL,

`stockMax` INT NOT NULL,

`stockAct` INT NOT NULL,

PRIMARY KEY (`idProducto`))

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `bar`.`Pedidos`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `bar`.`Pedidos` (

`idPedidos` INT NOT NULL AUTO\_INCREMENT,

`idCliente` INT NOT NULL,

`idProducto` INT NOT NULL,

`fechaHora` DATETIME NOT NULL,

`idPedido` INT NOT NULL,

PRIMARY KEY (`idPedidos`),

INDEX `FK\_Pedidos\_Cliente\_idx` (`idCliente` ASC) VISIBLE,

INDEX `FK\_Pedidos\_Productos\_idx` (`idProducto` ASC) VISIBLE,

CONSTRAINT `FK\_Pedidos\_Cliente`

FOREIGN KEY (`idCliente`)

REFERENCES `bar`.`Cliente` (`idCliente`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `FK\_Pedidos\_Productos`

FOREIGN KEY (`idProducto`)

REFERENCES `bar`.`Productos` (`idProducto`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `bar`.`MetodoPago`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `bar`.`MetodoPago` (

`idMetodoPago` INT NOT NULL AUTO\_INCREMENT,

`nombre` VARCHAR(45) NOT NULL,

PRIMARY KEY (`idMetodoPago`))

ENGINE = InnoDB;

SET SQL\_MODE=@OLD\_SQL\_MODE;

SET FOREIGN\_KEY\_CHECKS=@OLD\_FOREIGN\_KEY\_CHECKS;

SET UNIQUE\_CHECKS=@OLD\_UNIQUE\_CHECKS;

# CONSULTAS SQL SOLICITADAS EN BASE AL MODELO DE NEGOCIO

INSERT INTO cliente (nombre, apellido, telefono, dni) VALUES ('Juan', 'Fernandez','3514580206','12345600');

INSERT INTO usuario (email, contraseña, idCliente) VALUES ('juanfernan@gmail.com', '123456', 1);

SELECT \* FROM usuario join cliente on usuario.idCliente = cliente.idCliente WHERE cliente.nombre = 'Juan' and contraseña = '123456';

INSERT INTO productos (nombre, precio, stockMin, stockMax,stockAct) VALUES ('picada', 1550, 1,20, 20);

UPDATE productos SET precio = 2000 WHERE idProducto = 1;

UPDATE productos SET precio = precio \* 1.10 WHERE precio < 1000;

DELETE FROM productos WHERE idProducto = 15;