INFORME GENERAL SOBRE LA IMPLEMENTACION DE BASE DE DATOS MEDIANTE BETTY

IMPLEMENTACION BASE DE DATOS EJERCICIO 1 FILTRO

- Creacion de base de datos

```
CREATE DATABASE MyGuitarShop;
USE MyGuitarShop;
```
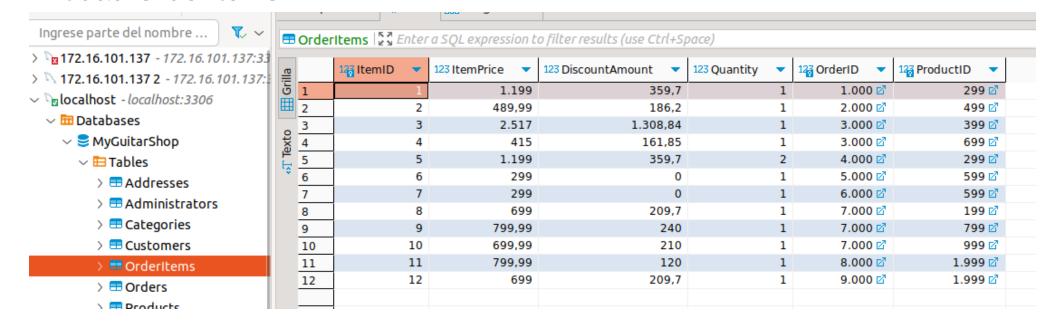
- Creacion de tablas

```
CREATE TABLE Categories (
  CategoryID        INT              PRIMARY KEY ,
  CategoryName      VARCHAR(255)   NOT NULL     UNIQUE
);
```

```mysql
CREATE TABLE Products (
  ProductID          INT,
  CategoryID         INT,
  ProductCode        VARCHAR(10)    NOT NULL      UNIQUE,
  ProductName        VARCHAR(255)   NOT NULL,
  Description        TEXT           NOT NULL,
  ListPrice          DOUBLE          NOT NULL,
  DiscountPercent    DOUBLE          NOT NULL     DEFAULT 0.00,
  DateAdded          DATETIME                     DEFAULT NULL,
  PRIMARY KEY (ProductID, CategoryID),
  FOREIGN KEY (CategoryID) REFERENCES Categories(CategoryID)
);
```
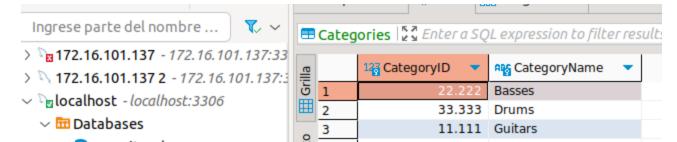
```
CREATE TABLE Customers (
  CustomerID        INT           PRIMARY KEY,
  EmailAddress      VARCHAR(255)  NOT NULL      UNIQUE,
  Password          VARCHAR(60)   NOT NULL,
  FirstName         VARCHAR(60)   NOT NULL,
  LastName          VARCHAR(60)   NOT NULL,
  ShippingAddressID INT                         DEFAULT NULL,
  BillingAddressID  INT                         DEFAULT NULL
);
```

```
CREATE TABLE Addresses (
  AddressID         INT               ,
  CustomerID        INT           REFERENCES Customers (CustomerID),
  Line1             VARCHAR(60)   NOT NULL,
  Line2             VARCHAR(60)                 DEFAULT NULL,
  City              VARCHAR(40)   NOT NULL,
  State             VARCHAR(2)    NOT NULL,
  ZipCode           VARCHAR(10)   NOT NULL,
  Phone             VARCHAR(12)   NOT NULL,
  Disabled          INT           NOT NULL      DEFAULT 0,
  PRIMARY KEY(AddressID, CustomerID),
  FOREIGN KEY (CustomerID) REFERENCES Customers(CustomerID)
);
```

```
CREATE TABLE Orders (
  OrderID           INT             ,
  CustomerID        INT,
  OrderDate         DATETIME      NOT NULL,
  ShipAmount        DOUBLE        NOT NULL,
  TaxAmount         DOUBLE        NOT NULL,
  ShipDate          DATETIME                    DEFAULT NULL,
  ShipAddressID     INT           NOT NULL,
  CardType          VARCHAR(50)   NOT NULL,
  CardNumber        CHAR(16)      NOT NULL,
  CardExpires       CHAR(7)       NOT NULL,
  BillingAddressID  INT           NOT NULL,
  PRIMARY KEY (OrderID,CustomerID ),
  FOREIGN KEY (CustomerID) REFERENCES Customers(CustomerID)
);
```

```
CREATE TABLE OrderItems (
  ItemID            INT,
  OrderID           INT,
  ProductID         INT ,
  ItemPrice         DOUBLE  NOT NULL,
  DiscountAmount    DOUBLE  NOT NULL,
  Quantity          INT           NOT NULL,
  PRIMARY KEY (ItemID,OrderID, ProductID ),
  FOREIGN KEY (OrderID) REFERENCES Orders(OrderID),
  FOREIGN KEY (ProductID) REFERENCES Products(ProductID)
);
```

```
CREATE TABLE Administrators (
  AdminID           INT           PRIMARY KEY,
  EmailAddress      VARCHAR(255)  NOT NULL,
  Password          VARCHAR(255)  NOT NULL,
  FirstName         VARCHAR(255)  NOT NULL,
  LastName          VARCHAR(255)  NOT NULL
);
```

CustomerID	EmailAddress	Password	FirstName	LastName	ShippingAddress
1	allan.sherwood@yahoo.com	650215acec746f0e32bdfff387439eefc1358737	Allan	Sherwood	1
2	barryz@gmail.com	3f563468d42a448cb1e56924529f6e7bbe529cc7	Barry	Zimmer	
3	christineb@solarone.com	ed19f5c0833094026a2f1e9e6f08a35d26037066	Christine	Brown	
4	david.goldstein@hotmail.com	b444ac06613fc8d63795be9ad0beaf55011936ac	David	Goldstein	
5	erinv@gmail.com	109f4b3c50d7b0df729d299bc6f8e9ef9066971f	Erin	Valentino	
6	frankwilson@sbcglobal.net	3ebfa301dc59196f18593c45e519287a23297589	Frank Lee	Wilson	
7	gary_hernandez@yahoo.com	1ff2b3704aede04eecb51e50ca698efd50a1379b	Gary	Hernandez	
8	heatheresway@mac.com	911ddc3b8f9a13b5499b6bc4638a2b4f3f68bf23	Heather	Esway	

- Entidad OrderItems

OrderItems | Enter a SQL expression to filter results (use Ctrl+Space)

ItemID	ItemPrice	DiscountAmount	Quantity	OrderID	ProductID
1	1.199	359,7	1	1.000	299
2	489,99	186,2	1	2.000	499
3	2.517	1.308,84	1	3.000	399
4	415	161,85	1	3.000	699
5	1.199	359,7	2	4.000	299
6	299	0	1	5.000	599
7	299	0	1	6.000	599
8	699	209,7	1	7.000	199
9	799,99	240	1	7.000	799
10	699,99	210	1	7.000	999
11	799,99	120	1	8.000	1.999
12	699	209,7	1	9.000	1.999

- Entidad categories

Categories | Enter a SQL expression to filter result

CategoryID	CategoryName
22.222	Basses
33.333	Drums
11.111	Guitars

```
CREATE DATABASE downloadsUser;
use downloadsUser;
```

- Creacion de tablas

```
CREATE TABLE product (
IdProduct          INT              PRIMARY KEY ,
NameProduct        VARCHAR(100)   NOT NULL
);
```

```
CREATE TABLE user (
    userId          INT              PRIMARY KEY ,
    EmailAddress   VARCHAR(100)   NOT NULL,
    FirstName      VARCHAR(100)   NOT NULL,
    LastName       VARCHAR(100)   NOT NULL
);
```

```
CREATE TABLE download (
IdDownload    INT,
FileName      VARCHAR(100)      NOT NULL,
timeDownload DATETIME          NOT NULL,
IdProduct INT,
userId      INT
```

- Verificar insersiones registros en las entidades
  - Entidad downloads

  - Entidad Productos

  - Entidad Users