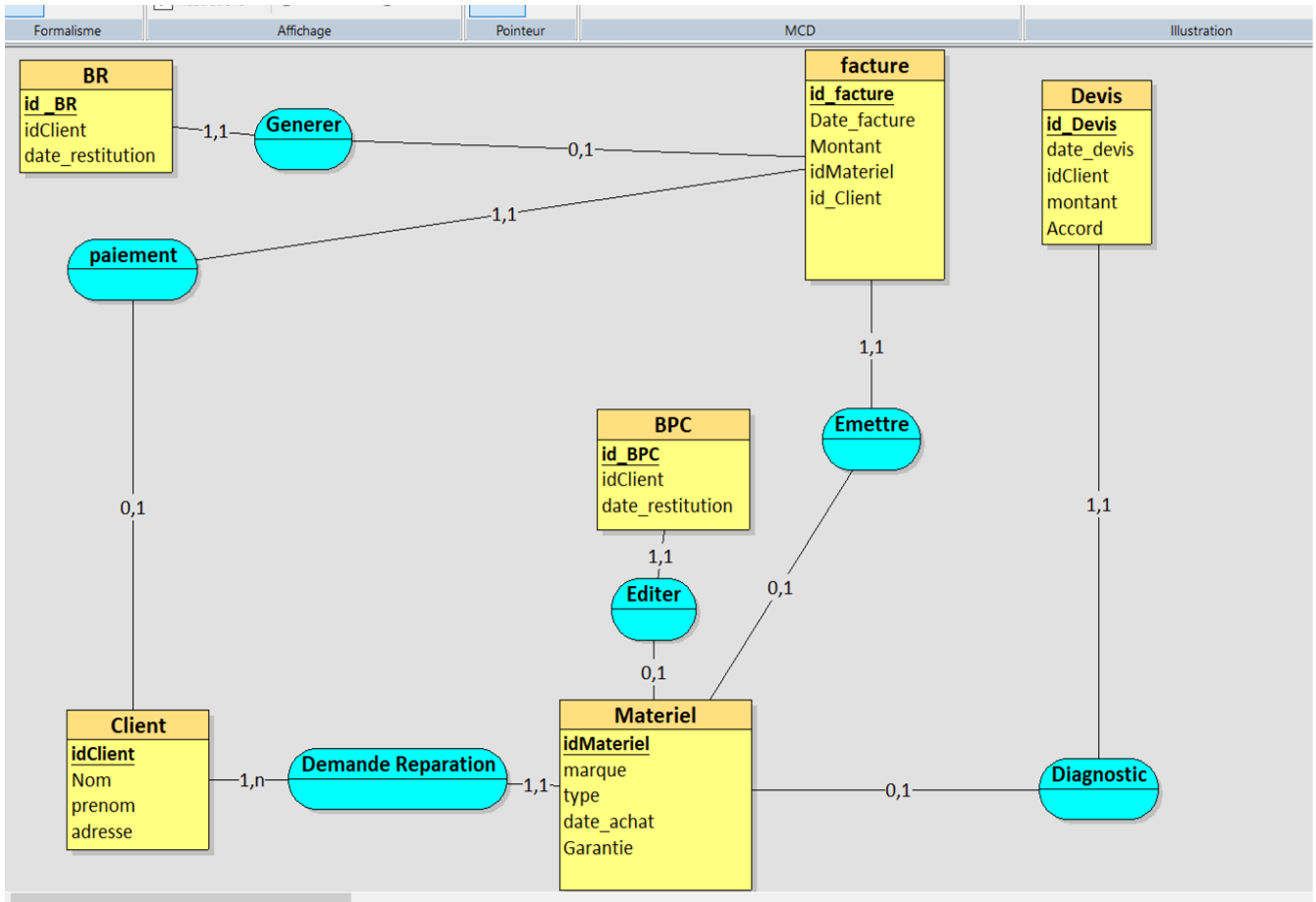


Schéma Entité-Association :



Requêtes SQL :

CREATE TABLE Client(

```
    idClient INT,  
    Nom VARCHAR(50),  
    prenom VARCHAR(50),  
    adresse VARCHAR(50),  
    PRIMARY KEY(idClient)  
);
```

CREATE TABLE Matériel(

```
    idMatériel INT,  
    marque VARCHAR(50),  
    type VARCHAR(50),  
    date_achat DATE,  
    Garantie BOOLEAN,  
    idClient INT NOT NULL,  
    PRIMARY KEY(idMatériel),  
    FOREIGN KEY(idClient) REFERENCES Client(idClient)  
);
```

CREATE TABLE Devis(

```
    id_Devis INT,  
    date_devis DATE,  
    idClient INT,  
    montant DECIMAL(7,2),  
    Accord BOOLEAN,  
    idMatériel INT NOT NULL,  
    PRIMARY KEY(id_Devis),  
    UNIQUE(idMatériel),  
    FOREIGN KEY(idMatériel) REFERENCES Matériel(idMatériel)  
);
```

CREATE TABLE facture(

```
    id_facture INT,  
    Date_facture DATE,  
    Montant DECIMAL(7,2),  
    idMatériel INT NOT NULL,  
    id_Client INT,  
    idClient INT NOT NULL,  
    idMatériel_1 INT NOT NULL,  
    PRIMARY KEY(id_facture),  
    UNIQUE(idClient),  
    UNIQUE(idMatériel_1),  
    FOREIGN KEY(idClient) REFERENCES Client(idClient),
```

```
FOREIGN KEY(idMateriel_1) REFERENCES Materiel(idMateriel)
);
```

```
CREATE TABLE BPC(
  id_BPC INT,
  idClient INT,
  date_restitution DATE,
  idMateriel INT NOT NULL,
  PRIMARY KEY(id_BPC),
  UNIQUE(idMateriel),
  FOREIGN KEY(idMateriel) REFERENCES Materiel(idMateriel)
);
```

```
CREATE TABLE BR(
  id__BR VARCHAR(50),
  idClient INT,
  date_restitution DATE,
  id_facture INT NOT NULL,
  PRIMARY KEY(id__BR),
  UNIQUE(id_facture),
  FOREIGN KEY(id_facture) REFERENCES facture(id_facture)
);
```

MLD :

Client = (idClient *INT*, Nom *VARCHAR(50)*, prenom *VARCHAR(50)*, adresse *VARCHAR(50)*);

Materiel = (idMateriel *INT*, marque *VARCHAR(50)*, type *VARCHAR(50)*, date_achat *DATE*, Garantie *BOOLEAN*, #*idClient*);

Devis = (id_Devis *INT*, date_devis *DATE*, idClient *INT*, montant *DECIMAL(7,2)*, Accord *BOOLEAN*, #*idMateriel*);

facture = (id_facture *INT*, Date_facture *DATE*, Montant *DECIMAL(7,2)*, idMateriel *INT*, id_Client *INT*, #*idClient*, #*idMateriel_1*);

BPC = (id_BPC *INT*, idClient *INT*, date_restitution *DATE*, #*idMateriel*);

BR = (id_BR *VARCHAR(50)*, idClient *INT*, date_restitution *DATE*, #*id_facture*);

Requêtes :

--Requete d'insertion des données entrées via le formulaires

```
INSERT INTO `client`(`idClient`, `Nom`, `prenom`, `adresse`) VALUES ();--//Les 4 valeurs  
nominatives du groupe IHM dans VALUES//;
```

--Affichage du BPC post generation

```
SELECT `id_BPC`, `idClient`, `date_restitution`, `idMateriel` FROM `bpc` WHERE 1;
```