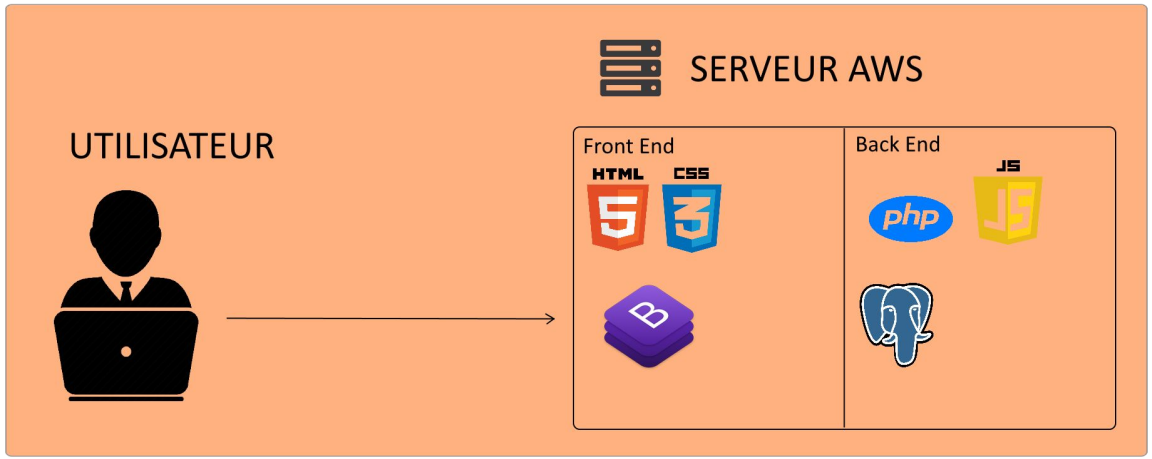
Présentation de l'étude initiale

Groupe 9

Sommaire

Etude du sujet



+ (manipulation de données)

(cf Lab 2 & 4 cours de E. Druon)

Base AWS

1. Installation de Base
2. Sécurisation
3. Test de transfert

installation de :

- yum
- httpd24
- links
- php70
- postgres-server

Une authentification d'accès :
DigestAuthentification
Https : mod24_ssl

on a

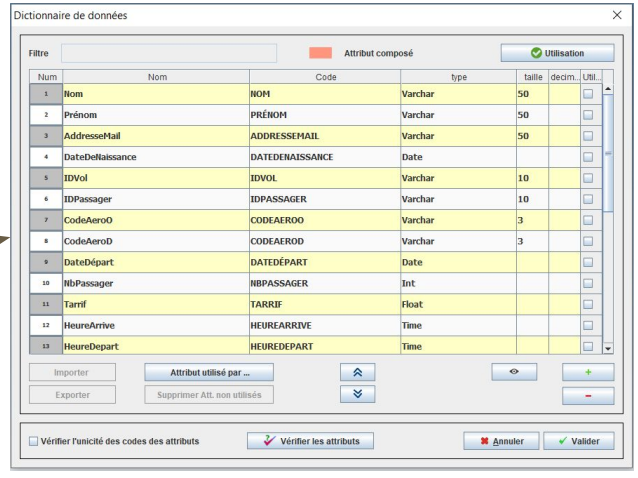
transfert avec :

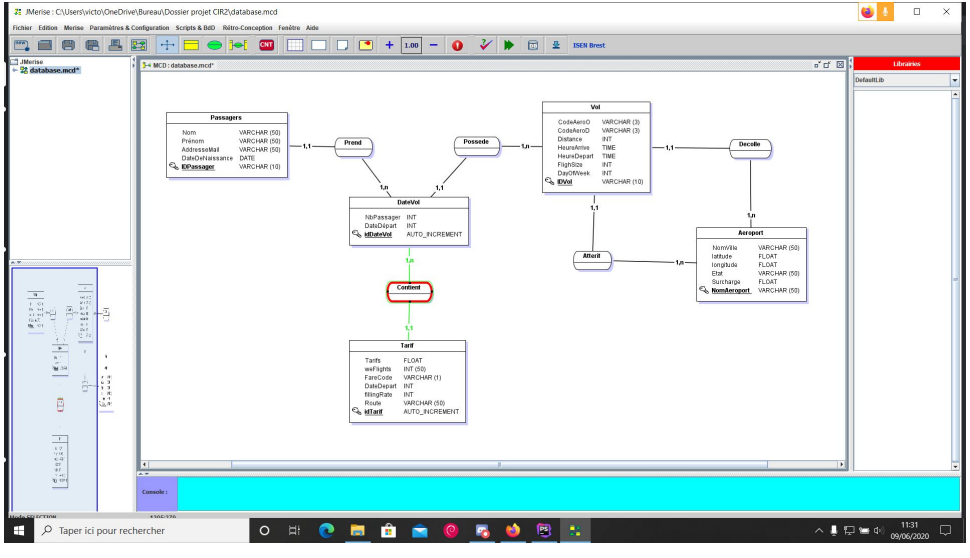
- Git (clone repo)
- zip
- php storm (upload)

Modèle de BDD

Utilisation de JMerise :

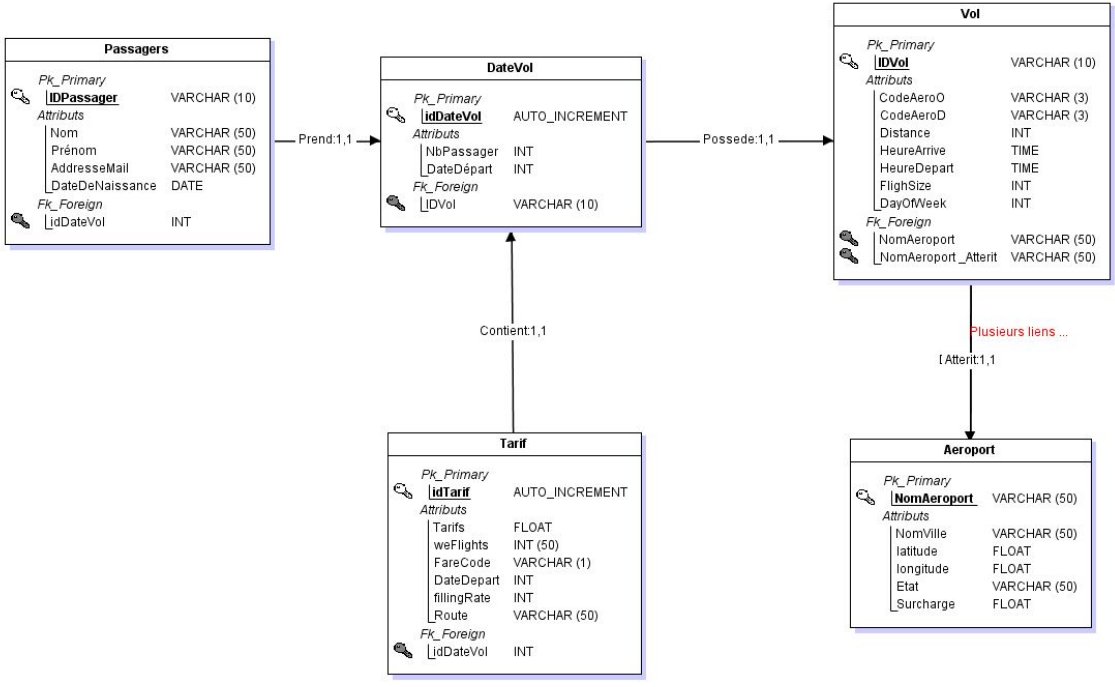
1. Création du dictionnaire de données
2. Création du MCD





Modèle de BDD

3. Obtention du MPD
4. Obtention du code SQL associé



SQL : database.mcd*

```
--------------------------------------------------------------------------------
--        Script Postgre
--------------------------------------------------------------------------------



--------------------------------------------------------------------------------
-- Table: Aeroport
--------------------------------------------------------------------------------
CREATE TABLE public.Aeroport(
        NomAeroport      VARCHAR (50) NOT NULL ,
        NomVille         VARCHAR (50) NOT NULL ,
        latitude         FLOAT  NOT NULL ,
        longitude        FLOAT  NOT NULL ,
        Etat             VARCHAR (50) NOT NULL ,
        Surcharge        FLOAT  NOT NULL  ,
        CONSTRAINT Aeroport_PK PRIMARY KEY (NomAeroport)
)WITHOUT OIDS;


--------------------------------------------------------------------------------
-- Table: Vol
--------------------------------------------------------------------------------
CREATE TABLE public.Vol(
        IDVol                 VARCHAR (10) NOT NULL ,
        CodeAeroO             VARCHAR (3) NOT NULL ,
        CodeAeroD             VARCHAR (3) NOT NULL ,
        Distance              INT  NOT NULL ,
        HeureArrive           TIMETZ  NOT NULL ,
        HeureDepart           TIMETZ  NOT NULL ,
        FlighSize             INT  NOT NULL ,
        DayOfWeek             INT  NOT NULL ,
        NomAeroport           VARCHAR (50) NOT NULL ,
        NomAeroport__Atterit  VARCHAR (50) NOT NULL  ,
        CONSTRAINT Vol_PK PRIMARY KEY (IDVol)

        ,CONSTRAINT Vol_Aeroport_FK FOREIGN KEY (NomAeroport) REFERENCES public.Aeroport(NomAeroport)
        ,CONSTRAINT Vol_Aeroport0_FK FOREIGN KEY (NomAeroport__Atterit) REFERENCES public.Aeroport(NomAeroport)
)WITHOUT OIDS;


--------------------------------------------------------------------------------
-- Table: DateVol
--------------------------------------------------------------------------------
CREATE TABLE public.DateVol(
        idDateVol    SERIAL NOT NULL ,
        NbPassager   INT  NOT NULL ,
        DateDepart   INT  NOT NULL ,
        IDVol        VARCHAR (10) NOT NULL  ,
        CONSTRAINT DateVol_PK PRIMARY KEY (idDateVol)

        ,CONSTRAINT DateVol_Vol_FK FOREIGN KEY (IDVol) REFERENCES public.Vol(IDVol)
)WITHOUT OIDS;


--------------------------------------------------------------------------------
```

Création des tables

update.py

```python
with open('flights_2.csv', 'r+') as flights:
    with open('fares.csv', 'r+') as fares:
        with open('airportsurcharges.csv', 'r+') as airportsurcharges:
            with open('update.sql', 'a+') as update:

                flights = flights.readlines()
                r = list()
                for index in range(0, len(flights)):  # splitting the file
                    r.append(flights[index].split(', '))
                update.write('INSERT INTO Vol (IDVol,CodeAeroO,CodeAeroD,Distance,HeureArrive,HeureDepart,FlighSize,DayOfWeek) VALUES (' + r[1][0]
                for index in range(2, len(flights)-1):  # insert sql
                    update.write('(' + r[index][0] + ', ' + r[index][3] + ', ' + r[index][7] + ', ' + r[index][2] + ', ' + r[index][13] + ', ' + r[
                a = len(flights)-1
                update.write('(' + r[a][0] + ', ' + r[a][3] + ', ' + r[a][7] + ', ' + r[a][2] + ', ' + r[a][13] + ', ' + r[a][12] + ', ' + r[a][14]
```

Écriture dans le fichier SQL

```
INSERT INTO Vol (IDVol,Distance,HeureArrive,HeureDepart,FlighSize,DayOfWeek,nomAeroport,nomaeroport__atterit) VALUES ('CA1942', '2339', '01:19', '
('CA2215', '3603', '00:38', '18:52', '110', '7', 'YWH', 'YTM'),
('CA2670', '2175', '12:52', '09:05', '145', '3', 'YXN', 'YQB'),
('CA2297', '1481', '16:48', '14:16', '145', '3', 'YOG', 'ZUM'),
('CA871', '4129', '17:14', '10:52', '81', '4', 'YPR', 'YQB'),
('CA2180', '1742', '22:23', '19:19', '145', '4', 'YZW', 'YSD'),
('CA1091', '1928', '00:49', '21:27', '110', '2', 'YQH', 'YYH'),
('CA969', '233', '12:04', '11:19', '81', '0', 'YQB', 'YUL'),
('CA228', '809', '11:22', '09:55', '81', '0', 'YEG', 'YVR'),
('CA1894', '1016', '15:36', '13:44', '145', '6', 'YYE', 'YYC'),
('CA1482', '4430', '18:11', '10:38', '145', '0', 'YVR', 'YHZ'),
('CA2134', '2873', '04:21', '23:40', '145', '4', 'YZR', 'YBB'),
('CA1702', '2401', '18:29', '14:39', '232', '6', 'YXP', 'YCC'),
```

Mocks-Up

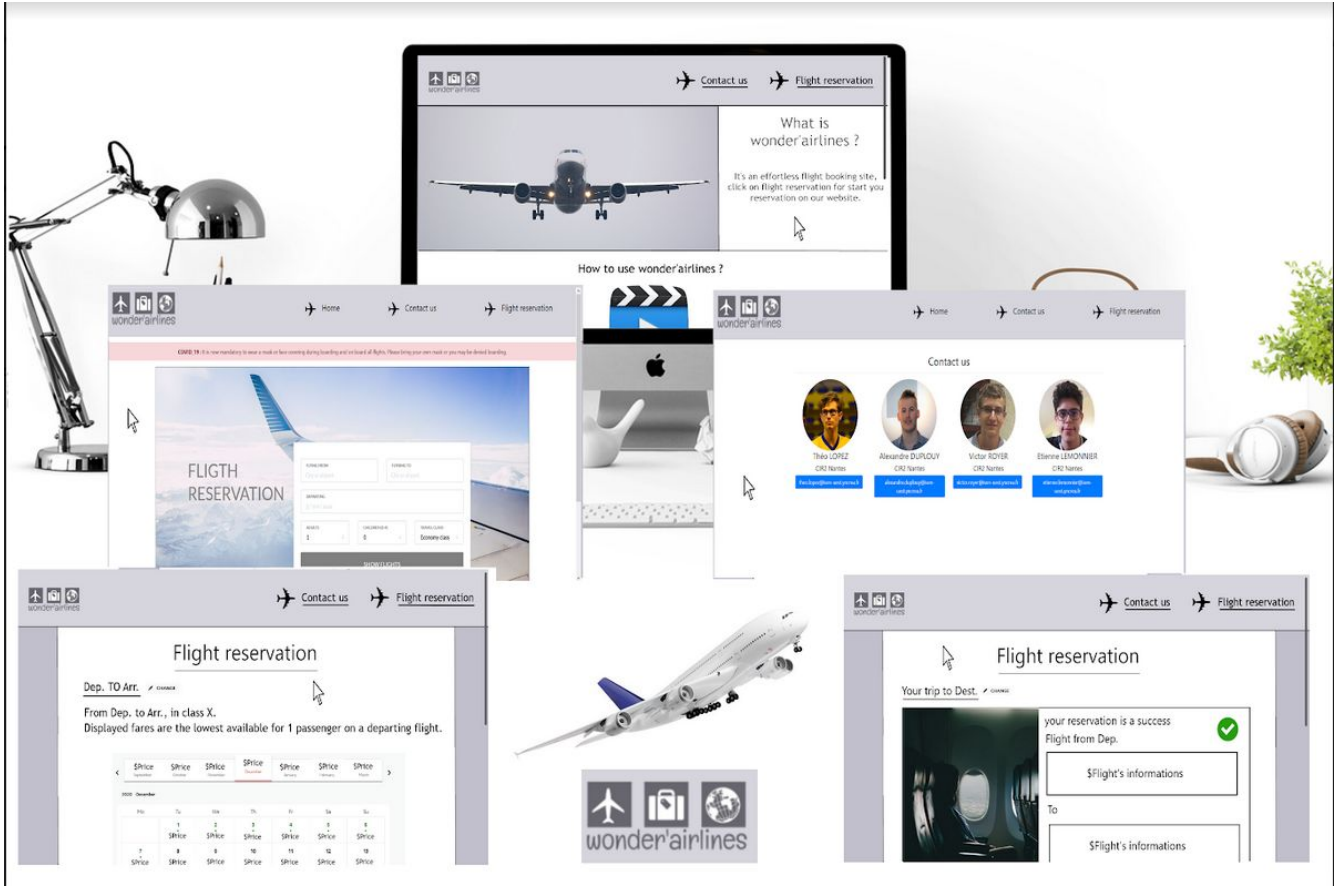
PHP -> Class

function displayReservation()

function SaisiDonnée()

function DisplayPropositionsVols()

function ValiderSelection()



C’est PARTI POUR DEV !!!