**Les requêtes SQL de la base de données projet SGBD**

* **La création des tables**

CREATE TABLE Responsable\_de\_classe (

ID INT AUTO\_INCREMENT PRIMARY KEY,

Nom VARCHAR(50),

Prenom VARCHAR(50),

Email VARCHAR(100),

Telephone VARCHAR(20),

Date\_creation DATETIME DEFAULT CURRENT\_TIMESTAMP

);

CREATE TABLE Responsable\_pedagogique (

ID INT AUTO\_INCREMENT PRIMARY KEY,

Nom VARCHAR(50),

Prenom VARCHAR(50),

Email VARCHAR(100),

Telephone VARCHAR(20),

Date\_creation DATETIME DEFAULT CURRENT\_TIMESTAMP

);

CREATE TABLE Coordinateur\_pedagogique (

ID INT AUTO\_INCREMENT PRIMARY KEY,

Nom VARCHAR(50),

Prenom VARCHAR(50),

Email VARCHAR(100),

Telephone VARCHAR(20),

Date\_creation DATETIME DEFAULT CURRENT\_TIMESTAMP

);

CREATE TABLE Membres\_equipe\_pedagogique (

ID INT AUTO\_INCREMENT PRIMARY KEY,

Nom VARCHAR(50),

Prenom VARCHAR(50),

Email VARCHAR(100),

Telephone VARCHAR(20),

Date\_creation DATETIME DEFAULT CURRENT\_TIMESTAMP

);

CREATE TABLE Chef\_departement (

ID INT AUTO\_INCREMENT PRIMARY KEY,

Nom VARCHAR(50),

Prenom VARCHAR(50),

Email VARCHAR(100),

Telephone VARCHAR(20),

Date\_creation DATETIME DEFAULT CURRENT\_TIMESTAMP

);

CREATE TABLE Directeur\_des\_etudes (

ID INT AUTO\_INCREMENT PRIMARY KEY,

Nom VARCHAR(50),

Prenom VARCHAR(50),

Email VARCHAR(100),

Telephone VARCHAR(20),

Date\_creation DATETIME DEFAULT CURRENT\_TIMESTAMP

);

CREATE TABLE Taches (

ID INT AUTO\_INCREMENT PRIMARY KEY,

Description VARCHAR(255),

Date\_creation DATETIME DEFAULT CURRENT\_TIMESTAMP,

Statut VARCHAR(20),

Responsable\_ID INT,

FOREIGN KEY (Responsable\_ID) REFERENCES Responsable\_de\_classe(ID)

);

CREATE TABLE Rapports (

ID INT AUTO\_INCREMENT PRIMARY KEY,

Description VARCHAR(255),

Date\_creation DATETIME DEFAULT CURRENT\_TIMESTAMP,

Responsable\_ID INT,

FOREIGN KEY (Responsable\_ID) REFERENCES Responsable\_pedagogique(ID)

);

CREATE TABLE etudiant (

id VARCHAR(50) PRIMARY KEY,

nom VARCHAR(100),

prenom TIME,

email VARCHAR(100),

telephone VARCHAR(20),

date\_creation DATE,

enseignant\_id VARCHAR(50),

FOREIGN KEY (enseignant\_id) REFERENCES enseignant(id)

);

CREATE TABLE enseignant (

id VARCHAR(50) PRIMARY KEY,

nom VARCHAR(100),

prenom TIME,

email VARCHAR(100),

telephone VARCHAR(20),

date\_creation DATE

);

**CLUSTER**

* **Création des utilisateurs avec leurs autorisations respectives**

CREATE USER 'khadija'@'localhost' IDENTIFIED BY 'mdp1';

CREATE USER 'coumba'@'localhost' IDENTIFIED BY 'mdp2';

CREATE USER 'aida'@'localhost' IDENTIFIED BY 'mdp3';

* **Attribution des autorisations pour chaque utilisateur**

**Pour l’utilisateur khadija**

GRANT SELECT, INSERT, UPDATE, DELETE ON projetsgbd.Responsable\_de\_classe TO 'khadija'@'localhost';

GRANT SELECT, INSERT, UPDATE, DELETE ON projetsgbd.Responsable\_pedagogique TO 'khadija'@'localhost';

GRANT SELECT, INSERT, UPDATE, DELETE ON projetsgbd.Coordinateur\_pedagogique TO 'khadija'@'localhost';

GRANT SELECT, INSERT, UPDATE, DELETE ON projetsgbd.enseignat TO 'khadija'@'localhost';

GRANT SELECT, INSERT, UPDATE, DELETE ON projetsgbd.etudiant TO 'khadija'@'localhost';

GRANT SELECT, INSERT, UPDATE, DELETE ON projetsgbd.rapport TO 'khadija'@'localhost';

GRANT SELECT, INSERT, UPDATE, DELETE ON projetsgbd.tache TO 'khadija'@'localhost';

GRANT SELECT, INSERT, UPDATE, DELETE ON projetsgbd.directeur des etudes TO 'khadija'@'localhost';

**Pour l’utilisateur coumba**

GRANT SELECT, INSERT, UPDATE, DELETE ON projetsgbd.Responsable\_de\_classe TO 'coumba'@'localhost';

GRANT SELECT, INSERT, UPDATE, DELETE ON projetsgbd.Responsable\_pedagogique TO 'coumba'@'localhost';

GRANT SELECT, INSERT, UPDATE, DELETE ON projetsgbd.Coordinateur\_pedagogique TO 'coumba'@'localhost';

GRANT SELECT, INSERT, UPDATE, DELETE ON projetsgbd.enseignat TO 'coumba'@'localhost';

GRANT SELECT, INSERT, UPDATE, DELETE ON projetsgbd.etudiant TO 'coumba'@'localhost';

GRANT SELECT, INSERT, UPDATE, DELETE ON projetsgbd.rapport TO 'coumba'@'localhost';

GRANT SELECT, INSERT, UPDATE, DELETE ON projetsgbd.tache TO 'coumba'@'localhost';

GRANT SELECT, INSERT, UPDATE, DELETE ON projetsgbd.directeur des etudes TO 'coumba'@'localhost';

**Pour l’utilisateur aida**

GRANT SELECT, INSERT, UPDATE, DELETE ON projetsgbd.Responsable\_de\_classe TO 'aida'@'localhost';

GRANT SELECT, INSERT, UPDATE, DELETE ON projetsgbd.Responsable\_pedagogique TO 'aida'@'localhost';

GRANT SELECT, INSERT, UPDATE, DELETE ON projetsgbd.Coordinateur\_pedagogique TO 'aida'@'localhost';

GRANT SELECT, INSERT, UPDATE, DELETE ON projetsgbd.enseignat TO 'aida'@'localhost';

GRANT SELECT, INSERT, UPDATE, DELETE ON projetsgbd.etudiant TO 'aida'@'localhost';

GRANT SELECT, INSERT, UPDATE, DELETE ON projetsgbd.rapport TO 'aida'@'localhost';

GRANT SELECT, INSERT, UPDATE, DELETE ON projetsgbd.tache TO 'aida'@'localhost';

GRANT SELECT, INSERT, UPDATE, DELETE ON projetsgbd.directeur des etudes TO 'aida'@'localhost';

* **Activation du journal des requêtes lent dans MySQL**

SET GLOBAL slow\_query\_log = 'ON';

SET GLOBAL long\_query\_time = 1; -- Seuil en secondes pour définir ce qui est considéré comme une "requête lente"

-- Définition du chemin du fichier de journal

SET GLOBAL slow\_query\_log\_file = '/chemin/vers/le/fichier.log';

-- Visualisation du contenu du journal des requêtes lent

SELECT \* FROM mysql.slow\_log;