CREATE DATABASE if not exists school\_project;

USE school\_project;

CREATE TABLE if not exists users (

    id INT AUTO\_INCREMENT PRIMARY KEY,

fullname VARCHAR(255),

    username VARCHAR(255) NOT NULL,

batch VARCHAR(255),

gender VARCHAR(255),

    email VARCHAR(255) NOT NULL,

password VARCHAR(255) NOT NULL,

    role ENUM('student', 'admin', 'teacher') NOT NULL,

    created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

    updated\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP

);

CREATE TABLE if not exists teachers (

    id INT AUTO\_INCREMENT PRIMARY KEY,

    name VARCHAR(255) NOT NULL,

    subject VARCHAR(255) NOT NULL,

    created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

    updated\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP

);

CREATE TABLE if not exists courses (

    id INT AUTO\_INCREMENT PRIMARY KEY,

    name VARCHAR(255) NOT NULL,

    teacher\_id INT,

    created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

    updated\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP,

    FOREIGN KEY (teacher\_id) REFERENCES teachers(id)

);

CREATE TABLE IF NOT EXISTS feedback (

    id INT AUTO\_INCREMENT PRIMARY KEY,

    student\_id INT,

    teacher\_id INT,

    course\_id INT,

    comment TEXT NOT NULL,

    likes INT DEFAULT 0,

    dislikes INT DEFAULT 0,

    created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

    updated\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP,

    FOREIGN KEY (student\_id) REFERENCES users(id),

    FOREIGN KEY (teacher\_id) REFERENCES teachers(id),

    FOREIGN KEY (course\_id) REFERENCES courses(id)

);

CREATE TABLE IF NOT EXISTS attendance (

    id INT AUTO\_INCREMENT PRIMARY KEY,

    student\_id INT,

    course\_id INT,

    date DATE NOT NULL,

    status ENUM('present', 'absent') NOT NULL,

    created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

    updated\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP,

    FOREIGN KEY (student\_id) REFERENCES users(id),

    FOREIGN KEY (course\_id) REFERENCES courses(id)

);

CREATE TABLE IF NOT EXISTS notes (

    id INT AUTO\_INCREMENT PRIMARY KEY,

    teacher\_id INT,

    course\_id INT,

    title VARCHAR(255) NOT NULL,

    content TEXT NOT NULL,

    created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

    updated\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP,

    FOREIGN KEY (teacher\_id) REFERENCES teachers(id),

    FOREIGN KEY (course\_id) REFERENCES courses(id)

);

CREATE TABLE IF NOT EXISTS materials (

    id INT AUTO\_INCREMENT PRIMARY KEY,

    teacher\_id INT,

    course\_id INT,

    title VARCHAR(255) NOT NULL,

    file\_path VARCHAR(255) NOT NULL,

    created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

    updated\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP,

    FOREIGN KEY (teacher\_id) REFERENCES teachers(id),

    FOREIGN KEY (course\_id) REFERENCES courses(id)

);

CREATE TABLE IF NOT EXISTS administrators (

    id INT AUTO\_INCREMENT PRIMARY KEY,

    user\_id INT,

    created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

    updated\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP,

    FOREIGN KEY (user\_id) REFERENCES users(id)

);