create database if not exists root;

use root;

CREATE TABLE Students (

id INT AUTO\_INCREMENT PRIMARY KEY,

full\_name VARCHAR(100),

username VARCHAR(20),

password VARCHAR(20),

mob\_phone INT UNIQUE,

home\_phone INT UNIQUE,

address VARCHAR(30),

email VARCHAR(50) UNIQUE

);

DELIMITER ;

CREATE TABLE Professors (

id INT AUTO\_INCREMENT PRIMARY KEY,

full\_name VARCHAR (100),

username VARCHAR(20),

password VARCHAR(20),

email VARCHAR (50) UNIQUE

);

CREATE TABLE Secretariat (

id INT AUTO\_INCREMENT PRIMARY KEY,

email VARCHAR(100) UNIQUE,

username VARCHAR(20),

password VARCHAR(20),

);

CREATE TABLE Topics (

id INT AUTO\_INCREMENT PRIMARY KEY,

professor\_id INT,

title VARCHAR(255),

summary TEXT,

pdf\_filename VARCHAR(255),

created\_at DATETIME DEFAULT CURRENT\_TIMESTAMP,

FOREIGN KEY (professor\_id) REFERENCES Professors(id)

ON DELETE CASCADE ON UPDATE CASCADE

);

CREATE TABLE Theses (

id INT AUTO\_INCREMENT PRIMARY KEY,

topic\_id INT,

student\_id INT,

status ENUM('drafting', 'active', 'under\_review', 'completed', 'cancelled') NOT NULL,

assignment\_date DATE,

review\_date DATE,

presentation\_date DATE,

presentation\_link VARCHAR(100) UNIQUE,

presentation\_room ENUM('B', 'C', 'D1', 'D2'),

cancellation\_reason TEXT,

FOREIGN KEY (topic\_id) REFERENCES Topics(id)

ON DELETE CASCADE ON UPDATE CASCADE,

FOREIGN KEY (student\_id) REFERENCES Students(id)

ON DELETE CASCADE ON UPDATE CASCADE

);

CREATE TABLE CommitteeMembersInvitations (

id INT AUTO\_INCREMENT PRIMARY KEY,

thesis\_id INT,

professor\_id INT,

status ENUM('pending', 'accepted', 'rejected'),

invited\_at DATETIME,

responded\_at DATETIME,

FOREIGN KEY (thesis\_id) REFERENCES Theses(id)

ON DELETE CASCADE ON UPDATE CASCADE,

FOREIGN KEY (professor\_id) REFERENCES Professors(id)

ON DELETE CASCADE ON UPDATE CASCADE

);

CREATE TABLE Grades (

id INT AUTO\_INCREMENT PRIMARY KEY,

thesis\_id INT,

professor\_id INT,

score DECIMAL(3,1),

criteria TEXT,

submitted\_at DATETIME DEFAULT CURRENT\_TIMESTAMP,

FOREIGN KEY (thesis\_id) REFERENCES Theses(id)

ON DELETE CASCADE ON UPDATE CASCADE,

FOREIGN KEY (professor\_id) REFERENCES Professors(id)

ON DELETE CASCADE ON UPDATE CASCADE

);

CREATE TABLE Announcements (

id INT AUTO\_INCREMENT PRIMARY KEY,

thesis\_id INT,

title VARCHAR(255),

description TEXT,

presentation\_date DATETIME,

created\_at DATETIME DEFAULT CURRENT\_TIMESTAMP,

FOREIGN KEY (thesis\_id) REFERENCES Theses(id)

ON DELETE CASCADE ON UPDATE CASCADE

);