create database if not exists root;

use root;

CREATE TABLE Students (

id INT AUTO\_INCREMENT PRIMARY KEY,

full\_name VARCHAR(100),

username INT,

password INT,

mob\_phone VARCHAR(10) UNIQUE,

home\_phone VARCHAR(10) UNIQUE,

address VARCHAR(30),

email VARCHAR(50) UNIQUE

);

DELIMITER //

CREATE TRIGGER student\_username-password

AFTER INSERT ON Students

FOR EACH ROW

BEGIN

UPDATE Students

SET username = NEW.id,

password = NEW.id

WHERE id = NEW.id;

END;

//

DELIMITER ;

CREATE TABLE Professors (

id INT AUTO\_INCREMENT PRIMARY KEY,

full\_name VARCHAR(100),

username INT,

password INT,

email VARCHAR(50) UNIQUE,

);

DELIMITER //

CREATE TRIGGER prof\_username-password

AFTER INSERT ON Professors

FOR EACH ROW

BEGIN

UPDATE Professors

SET username = NEW.id,

password = NEW.id

WHERE id = NEW.id;

END;

//

DELIMITER ;

CREATE TABLE Secretariat (

id INT AUTO\_INCREMENT PRIMARY KEY,

email VARCHAR(100) UNIQUE,

username INT ,

password INT

);

DELIMITER //

CREATE TRIGGER sec\_username-password

AFTER INSERT ON Secretariat

FOR EACH ROW

BEGIN

UPDATE Secretariat

SET username = NEW.id,

password = NEW.id

WHERE id = NEW.id;

END;

//

DELIMITER ;

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 TEXT 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

);