CREATE TABLE Courses (

courseCode TEXT PRIMARY KEY,

courseName TEXT NOT NULL,

credits REAL CHECK (credits>0)

);

CREATE TABLE CourseInstances (

instanceNo TEXT PRIMARY KEY,

year INTEGER CHECK (year>2000),

semester INTEGER CHECK (semester IN (1,2)),

startDate TEXT,

endDate TEXT,

courseCode TEXT REFERENCES Courses(courseCode)

);

CREATE TABLE ExerciseGroups (

groupNo TEXT PRIMARY KEY,

studentLimit INTEGER CHECK (studentLimit>0),

instanceNo TEXT REFERENCES CourseInstances(instanceNo)

);

CREATE TABLE Events (

eventNo TEXT PRIMARY KEY,

date TEXT,

startTime TEXT,

endTime TEXT

);

CREATE TABLE Lectures (

instanceNo TEXT,

lectureNo TEXT,

eventNo TEXT UNIQUE,

PRIMARY KEY (instanceNo, lectureNo),

FOREIGN KEY (instanceNo) REFERENCES CourseInstances(instanceNo),

FOREIGN KEY (eventNo) REFERENCES Events(eventNo)

);

CREATE TABLE GroupMeetings (

groupNo TEXT,

meetingNo TEXT,

eventNo TEXT UNIQUE,

PRIMARY KEY (groupNo, meetingNo),

FOREIGN KEY (groupNo) REFERENCES ExerciseGroups(groupNo),

FOREIGN KEY (eventNo) REFERENCES Events(eventNo)

);

CREATE TABLE Exams (

examNo TEXT PRIMARY KEY,

startExamTime TEXT,

endExamTime TEXT,

courseCode TEXT NOT NULL,

eventNo TEXT NOT NULL,

FOREIGN KEY (courseCode) REFERENCES Courses(courseCode),

FOREIGN KEY (eventNo) REFERENCES Events(eventNo)

);

CREATE TABLE Students (

studentID TEXT PRIMARY KEY,

studentName TEXT,

birthdate TEXT,

program TEXT,

startYear INTEGER,

expirationDate TEXT

);

CREATE TABLE EnrollForExams (

studentID TEXT,

examNo TEXT,

PRIMARY KEY (studentID, examNo),

FOREIGN KEY (studentID) REFERENCES Students(studentID),

FOREIGN kEY (examNo) REFERENCES Exams(examNo)

);

CREATE TABLE EnrollForCourses (

studentID TEXT,

groupNo TEXT,

PRIMARY KEY (studentID, groupNo),

FOREIGN KEY (studentID) REFERENCES Students(studentID),

FOREIGN KEY (groupNo) REFERENCES ExerciseGroups(groupNo)

);

CREATE TABLE Buildings (

buildingID TEXT PRIMARY KEY,

buildingName TEXT,

address TEXT UNIQUE

);

CREATE TABLE Rooms (

buildingID TEXT,

roomID TEXT,

size INTEGER,

examSize INTEGERR,

PRIMARY KEY (buildingID, roomID),

FOREIGN KEY (buildingID) REFERENCES Buildings(buildingID),

CHECK (size >= examSize)

);

CREATE TABLE Equipments (

equipmentID TEXT PRIMARY KEY,

equipmentName TEXT NOT NULL,

buildingID TEXT,

roomID TEXT,

FOREIGN KEY (buildingID, roomID) REFERENCES Rooms(buildingID, roomID)

);

CREATE TABLE VideoProjectors (

equipmentID TEXT PRIMARY KEY,

FOREIGN KEY (equipmentID) REFERENCES Equipments(equipmentID)

);

CREATE TABLE TwoVideoProjectors (

equipmentID TEXT PRIMARY KEY,

FOREIGN KEY (equipmentID) REFERENCES Equipments(equipmentID)

);

CREATE TABLE Computers (

equipmentID TEXT PRIMARY KEY,

users TEXT NOT NULL,

FOREIGN KEY (equipmentID) REFERENCES Equipments(equipmentID)

);

CREATE TABLE DocumentCameras (

equipmentID TEXT PRIMARY KEY,

FOREIGN KEY (equipmentID) REFERENCES Equipments(equipmentID)

);

CREATE TABLE Reserve (

eventNo TEXT UNIQUE,

buildingID TEXT NOT NULL,

roomID TEXT NOT NULL,

FOREIGN KEY (eventNo) REFERENCES Events(eventNo),

FOREIGN KEY (buildingID, roomID) REFERENCES Rooms(buildingID, roomID)

);