-- Create Database and Use It

CREATE DATABASE IF NOT EXISTS AAITStudentportal;

USE AAITStudentportal;

-- Admin Table

CREATE TABLE IF NOT EXISTS admin (

adminid INT AUTO\_INCREMENT PRIMARY KEY,

username VARCHAR(50) NOT NULL,

password VARCHAR(50) NOT NULL

);

-- Announcement Table

CREATE TABLE IF NOT EXISTS announcement (

id INT AUTO\_INCREMENT PRIMARY KEY,

message VARCHAR(255) NOT NULL

);

-- Insert Default Announcement

INSERT INTO announcement (message) VALUES ('Welcome to AAIT Portal!')

ON DUPLICATE KEY UPDATE message = 'Welcome to AAIT Portal!';

-- Student ID Info Table

CREATE TABLE IF NOT EXISTS studentidinfo (

studentid INT AUTO\_INCREMENT PRIMARY KEY,

Name VARCHAR(100) NOT NULL,

IDnumber VARCHAR(20) NOT NULL UNIQUE,

username VARCHAR(50) NOT NULL,

password VARCHAR(50) NOT NULL,

department VARCHAR(50)

);

-- Student Details Table

CREATE TABLE IF NOT EXISTS student\_details (

IDnumber VARCHAR(50) NOT NULL PRIMARY KEY,

Name VARCHAR(100),

Age INT,

AcademicYear VARCHAR(50),

PhotoPath VARCHAR(255)

);

-- Complain Table

CREATE TABLE IF NOT EXISTS complain (

idnumber VARCHAR(255),

complaint\_text TEXT,

FOREIGN KEY (idnumber) REFERENCES studentidinfo(IDnumber)

);

-- Courses Table

CREATE TABLE IF NOT EXISTS courses (

courseid INT PRIMARY KEY,

course\_name VARCHAR(255) NOT NULL,

credit\_hour DECIMAL(3,1) NOT NULL,

ETCS INT NOT NULL,

requirement VARCHAR(255)

);

-- Dorm Info Table

CREATE TABLE IF NOT EXISTS dorminfo (

dormid INT AUTO\_INCREMENT PRIMARY KEY,

dormlocation VARCHAR(100) NOT NULL,

numberofbeds INT NOT NULL,

floorofbuilding INT NOT NULL,

availability ENUM('available', 'occupied') DEFAULT 'available'

);

-- Registered Courses Table

CREATE TABLE IF NOT EXISTS registeredcourses (

idnumber VARCHAR(255) NOT NULL,

num\_courses INT NOT NULL,

courses\_registered TEXT NOT NULL,

acceptance VARCHAR(50) DEFAULT 'pending',

PRIMARY KEY (idnumber),

FOREIGN KEY (idnumber) REFERENCES studentidinfo(IDnumber)

);

-- Service Request Table

CREATE TABLE IF NOT EXISTS servicerequest (

idnumber VARCHAR(255) NOT NULL PRIMARY KEY,

dorm VARCHAR(255) DEFAULT NULL,

section VARCHAR(255) DEFAULT NULL,

mealcard VARCHAR(255) DEFAULT NULL,

mealplan VARCHAR(255) DEFAULT NULL,

approval VARCHAR(50) DEFAULT 'pending',

FOREIGN KEY (idnumber) REFERENCES studentidinfo(IDnumber)

);

INSERT INTO courses (courseid, course\_name, credit\_hour, ETCS, requirement) VALUES

(1, 'Introduction to Programming', 3, 6, 'no prerequisite'),

(2, 'Data Structures', 4, 7, 'maths'),

(3, 'Database Systems', 5, 6, 'english'),

(4, 'Web Development', 3, 8, 'no prerequisite'),

(5, 'Operating Systems', 4, 7, 'physics'),

(6, 'Software Engineering', 5, 6, 'maths'),

(7, 'Computer Networks', 3, 8, 'no prerequisite'),

(8, 'Machine Learning', 4, 7, 'english'),

(9, 'Artificial Intelligence', 5, 6, 'physics'),

(10, 'Mobile App Development', 3, 8, 'no prerequisite'),

(11, 'Cybersecurity Fundamentals', 4, 7, 'maths'),

(12, 'Human-Computer Interaction', 5, 6, 'english'),

(13, 'Cloud Computing', 3, 8, 'no prerequisite'),

(14, 'Game Development', 4, 7, 'physics'),

(15, 'Data Analysis', 5, 6, 'maths'),

(16, 'Computer Graphics', 3, 8, 'no prerequisite'),

(17, 'Distributed Systems', 4, 7, 'english'),

(18, 'Digital Signal Processing', 5, 6, 'physics'),

(19, 'Blockchain Technology', 3, 8, 'no prerequisite'),

(20, 'Robotics', 4, 7, 'maths');  
  
INSERT INTO dorminfo (dormid, dormlocation, numberofbeds, floorofbuilding, availability) VALUES

(1, 'Sefere Selam', 5, 1, 'available'),

(2, '4 Kilo', 6, 3, 'available'),

(3, 'Sefere Selam', 6, 3, 'occupied'),

(4, '5 Kilo', 6, 2, 'occupied'),

(5, 'Lideta', 8, 1, 'occupied'),

(6, '4 Kilo', 5, 2, 'available'),

(7, '6 Kilo', 7, 2, 'available'),

(8, 'Lideta', 4, 2, 'available'),

(9, '5 Kilo', 7, 3, 'available'),

(10, '5 Kilo', 7, 4, 'occupied'),

(11, 'Sefere Selam', 6, 2, 'occupied'),

(12, 'Sefere Selam', 8, 4, 'available'),

(13, '4 Kilo', 7, 3, 'occupied'),

(14, '5 Kilo', 5, 2, 'occupied'),

(15, 'Sefere Selam', 6, 4, 'available'),

(16, '6 Kilo', 6, 3, 'occupied'),

(17, '4 Kilo', 6, 1, 'available'),

(18, 'Sefere Selam', 7, 4, 'available'),

(19, 'Lideta', 8, 2, 'available'),

(20, '5 Kilo', 7, 2, 'occupied');  
  
INSERT INTO studentidinfo (studentid, Name, IDnumber, username, password, department) VALUES

(1, 'John Doe', 'UGR/1234/12', 'student1', 'pass1', NULL),

(2, 'Jane Smith', 'UGR/5678/12', 'student2', 'pass2', NULL),

(5, 'Ayalkbet Teketel', 'UGR/1235/12', 'ayalk', '1234', 'Electrical'),

(6, 'Oli Dereje', 'UGR/5679/12', 'oli', '1234', 'Civil'),

(7, 'Abebe Kebede', 'UGR/1237/15', 'Abebe', '12345678', 'Mechanical Engineering'),

(8, 'Hana Kebede', 'UGR/1239/15', 'Hani', '12345678', 'Mechanical Engineering');  
  
INSERT INTO admin (adminid, username, password) VALUES

(1, 'admin', '1234'),

(2, 'admin2', '12345');