**Online Examination System**

Database:

CREATE DATABASE ProjectX

Tables:

CREATE TABLE Students (

S\_ID INT IDENTITY(1,1) PRIMARY KEY,

FirstName VARCHAR(50) NOT NULL,

LastName VARCHAR(50) NOT NULL,

Email VARCHAR(80) NOT NULL,

Password VARCHAR(50) NOT NULL,

Gender VARCHAR(20) NOT NULL,

Age INT NOT NULL,

Semester INT NOT NULL,

Enrollment VARCHAR(50) NOT NULL

);

CREATE TABLE Notifications(

N\_ID INT IDENTITY(1,1) PRIMARY KEY,

Category VARCHAR(50) NOT NULL,

Sender VARCHAR(50) NOT NULL,

Type VARCHAR(50) NOT NULL,

Message VARCHAR(8000) NOT NULL,

Date VARCHAR(20) DEFAULT CAST(GETDATE() AS Date),

Visited VARCHAR(20) DEFAULT 'No'

)

CREATE TABLE Courses(

C\_ID INT IDENTITY(1,1) PRIMARY KEY NOT NULL,

CourseName VARCHAR(225) NOT NULL,

CourseLabel VARCHAR(10) NOT NULL,

Semester INT NOT NULL

)

CREATE TABLE Quiz(

Q\_ID INT IDENTITY(1,1) PRIMARY KEY NOT NULL,

Name VARCHAR(500) NOT NULL,

Description VARCHAR(5000) NOT NULL,

Date DATE NOT NULL,

Duration INT,

Marks INT NOT NULL,

TotalQuestions INT,

CourseFID INT NOT NULL,

PassingMarks INT NOT NULL

)

CREATE TABLE Questions(

Ques\_ID INT IDENTITY(1,1) PRIMARY KEY NOT NULL,

Ques VARCHAR(8000) NOT NULL,

OptOne VARCHAR(1000) NOT NULL,

OptTwo VARCHAR(1000) NOT NULL,

OptThree VARCHAR(1000) NOT NULL,

OptFour VARCHAR(1000) NOT NULL,

QuesAns INT NOT NULL,

QuizFID INT NOT NULL

)

CREATE TABLE Result(

R\_ID INT IDENTITY(1,1) PRIMARY KEY NOT NULL,

Status VARCHAR(50) NOT NULL,

Score INT NOT NULL,

Email VARCHAR(100) NOT NULL,

TotalQuestions INT NOT NULL,

QuizFID INT NOT NULL,

Date DATE NOT NULL,

Given VARCHAR(20) NOT NULL

)

CREATE TABLE Teachers(

T\_ID INT IDENTITY(1,1) PRIMARY KEY NOT NULL,

TeacherName VARCHAR(255) NOT NULL,

Email VARCHAR(225) NOT NULL,

Password VARCHAR(225) NOT NULL,

Course VARCHAR(225) NOT NULL

)

CREATE TABLE Admin(

A\_ID INT IDENTITY(1,1) PRIMARY KEY NOT NULL,

AdminName VARCHAR(255) NOT NULL,

Email VARCHAR(225) NOT NULL,

Password VARCHAR(225) NOT NULL

)

Stored Procedures:

CREATE PROCEDURE StudentLogin

@email nvarchar(100),

@password nvarchar(50)

AS

SELECT \* FROM Students WHERE Email = @email AND Password = @password

CREATE PROCEDURE TeacherLogin

@email nvarchar(100),

@password nvarchar(50)

AS

SELECT \* FROM Teachers WHERE Email = @email AND Password = @password

CREATE PROCEDURE AdminLogin

@email nvarchar(100),

@password nvarchar(50)

AS

SELECT \* FROM Admin WHERE Email = @email AND Password = @password