

ITI Graduation Project

# Examination System

# Members

Ahmed Hamdy



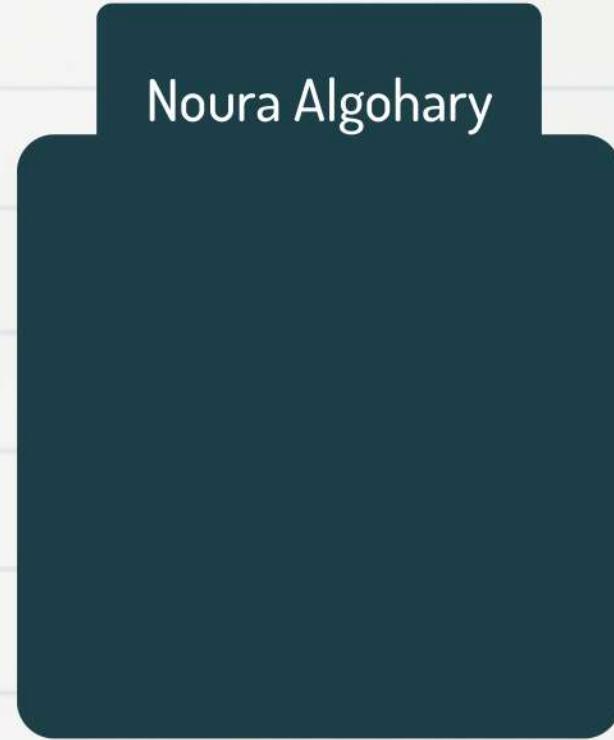
Farah Azmy

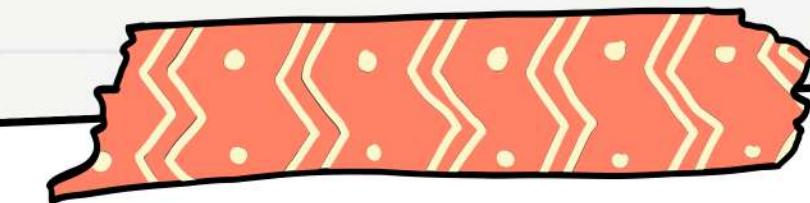


Mohamed Essam



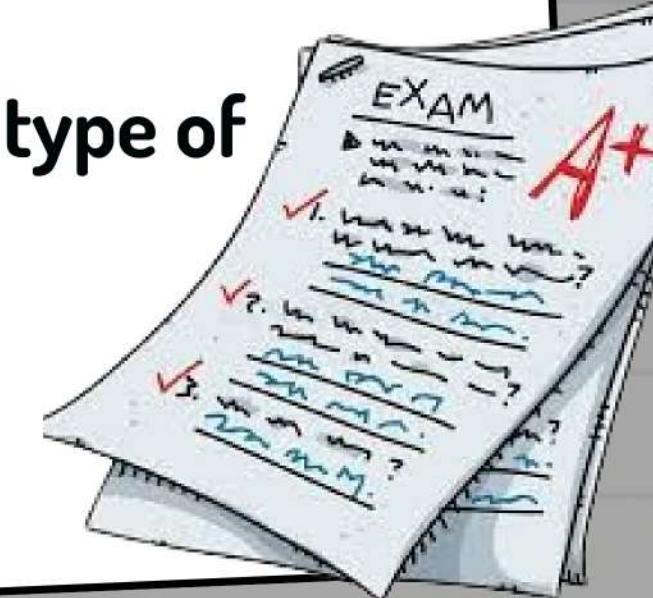
Noura Algohary





# Introduction

- Online Examination System is a cost-effective, scalable way to convert traditional pen and paper-based exams to online. Candidates can appear for the exam using any desktop, laptop, or mobile device with a browser.
- Exam results can be generated instantly for the objective type of questions.



# Overview

## Stored Procedures

1. Select ,Insert update and delete in any table
2. Exam generation
3. Exam Answers & Correction
4. Exam Result



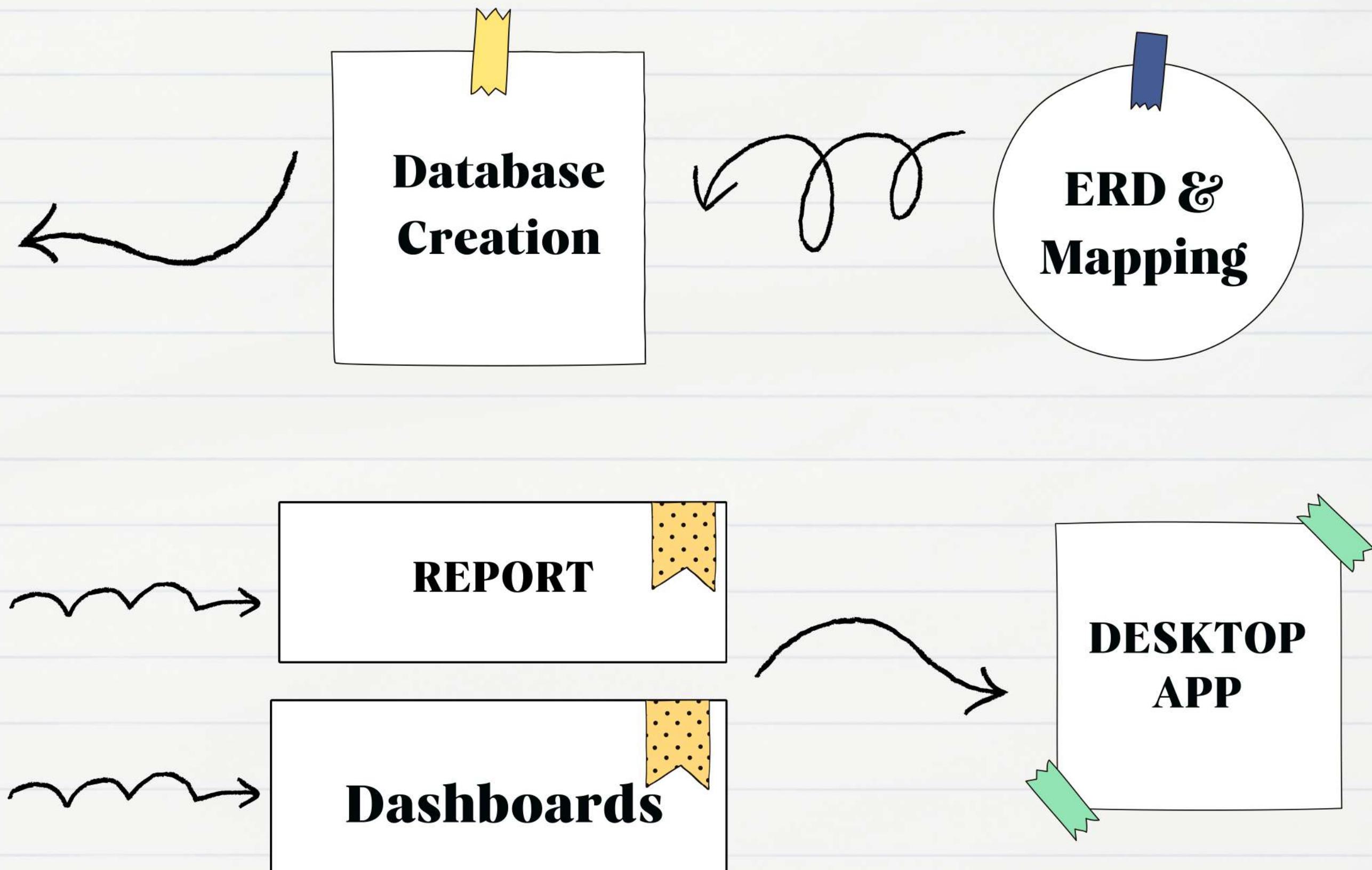
## Database Creation

## DWH Creation

## Dashboards

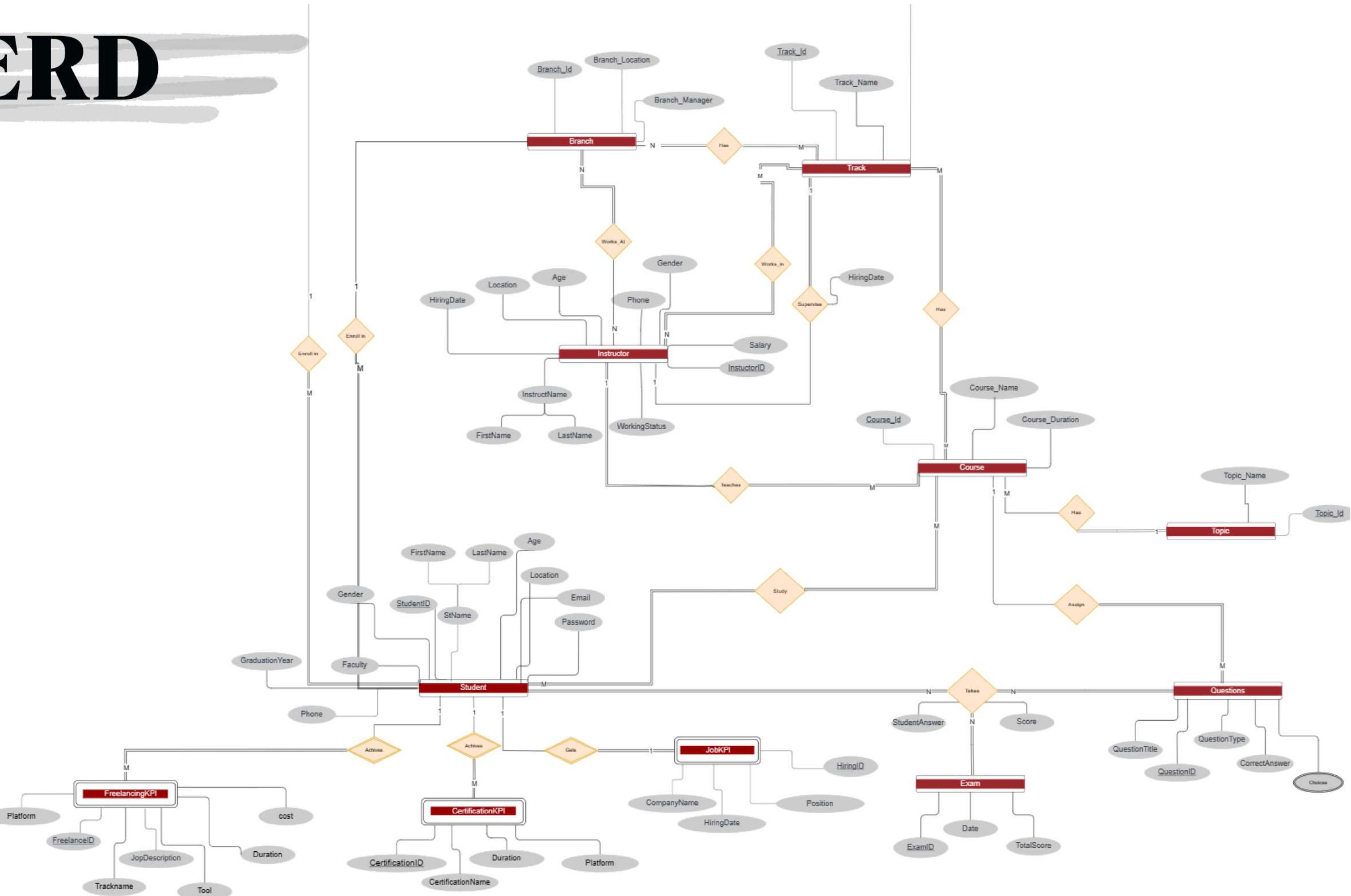
## REPORT

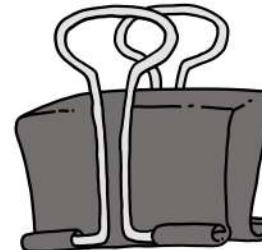
## DESKTOP APP



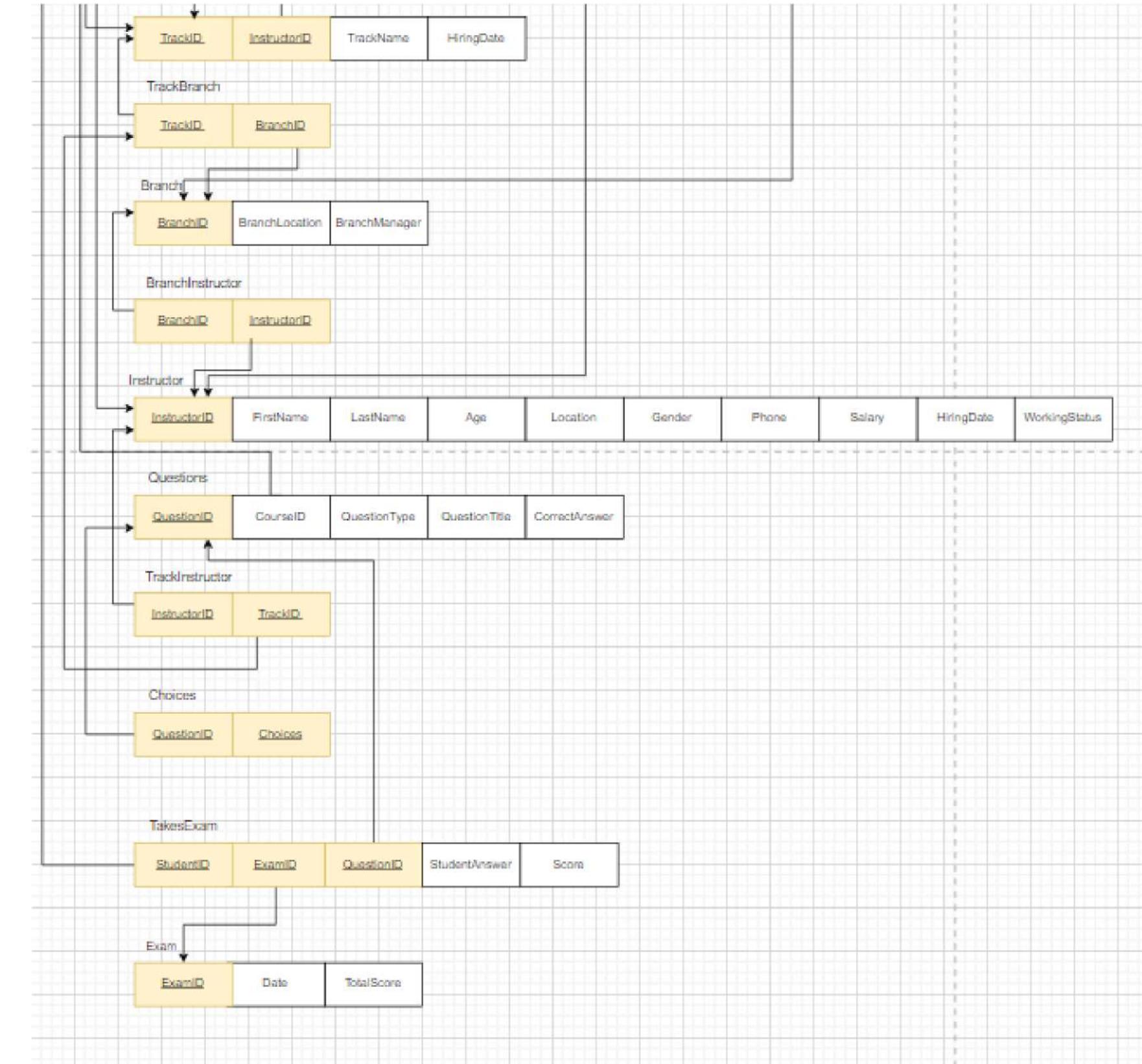
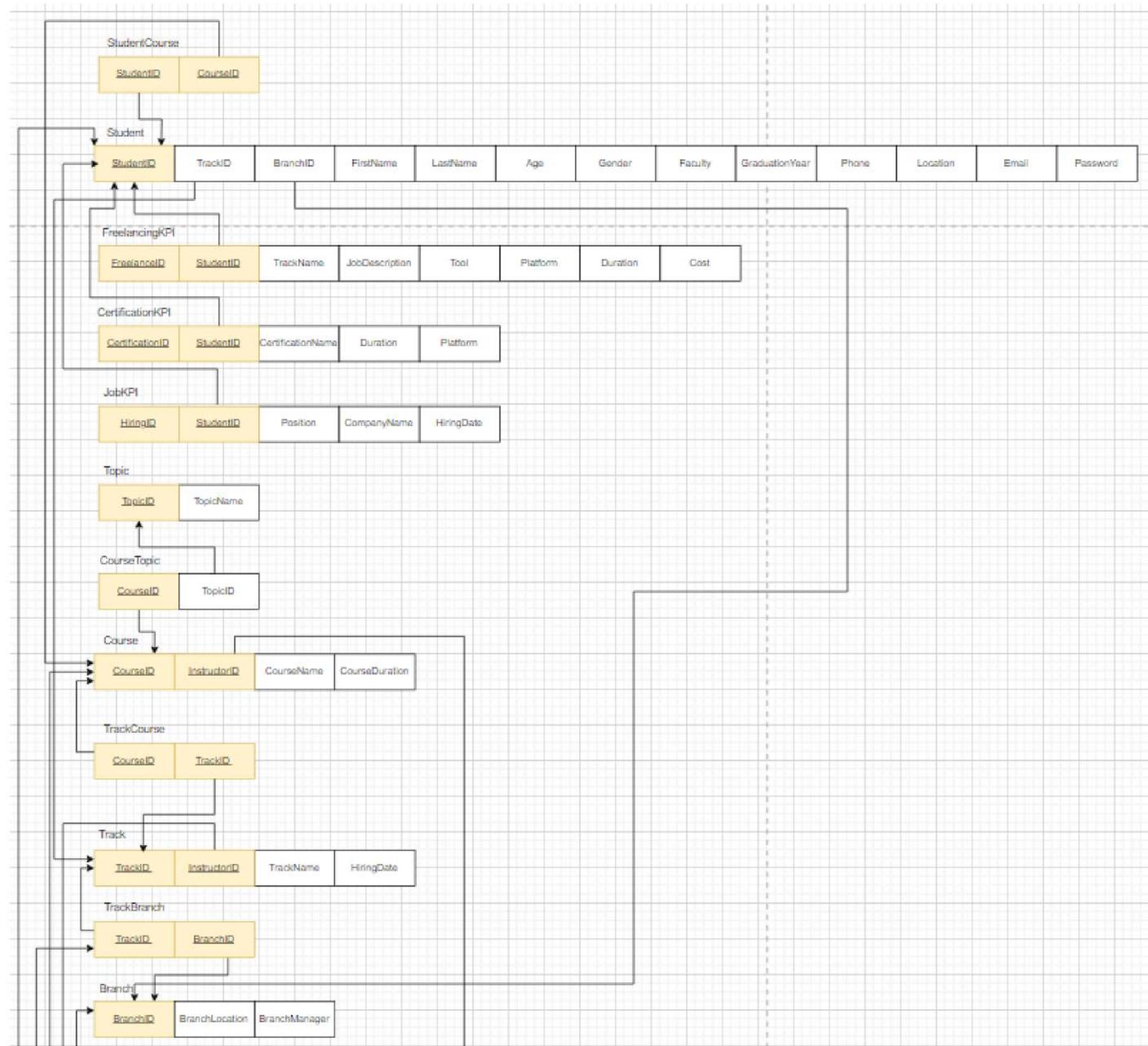


# ERD





# Mapping





# Dummy Data

## [Track]

Field Name	Type	Options
TrackID	Number	min: 1 max: 7 decimals: 0 blank: 0 % $\Sigma$ X
InstructorID	Number	min: 1 max: 210 decimals: 0 blank: 0 % $\Sigma$ X
TrackName	Custom List	Web Development, Power BI, Full stack, DevOps, Mobile Applications, Cyber Security Associate, In  random <input type="button" value="▼"/> blank: 0 % $\Sigma$ X
HiringDate	Datetime	01/01/2020  to 01/01/2024  format: dd/mm/yyyy <input type="button" value="▼"/> blank: 0 % $\Sigma$ X

[+ ADD ANOTHER FIELD](#) [GENERATE FIELDS USING AI...](#)

# Rows:  Format: Excel

## [Instructor]

Field Name	Type	Options
InstructorID	Number	min: 10 max: 210 decimals: 0 blank: 0 % $\Sigma$ X
FirstName	Custom List	Ahmed, Omar, Youssef, Mahmoud, Khalid, Ali, Hadi, Tariq, Ziad, Samir, Faisal, Saif, Rami, Karim, Ni  random <input type="button" value="▼"/> blank: 0 % $\Sigma$ X
LastName	Custom List	Abdel Aziz, Abdel Hakim, Abdel Nasser, Abdel Rahman, Abou El Fadl, Ali, Amin, Anwar, Ashraf, Aw  random <input type="button" value="▼"/> blank: 0 % $\Sigma$ X
Age	Number	min: 23 max: 50 decimals: 0 blank: 0 % $\Sigma$ X
Location	Custom List	Alexandria, Aswan, Asyut, Beheira, Beni Suef, Cairo, Dakahlia, Damietta, Faiyum, Gharbia,  weighted <input type="button" value="▼"/> blank: 0 % $\Sigma$ X
Gender	Custom List	Female, Male  random <input type="button" value="▼"/> blank: 0 % $\Sigma$ X
Phone	Phone	format: #####  blank: 0 % $\Sigma$ X
Salary	Number	min: 10000 max: 30000 decimals: 0 blank: 0 % $\Sigma$ X
HiringDate	Datetime	01/01/2010  to 01/01/2024  format: dd/mm/yyyy  blank: 0 % $\Sigma$ X
WorkingStatus	Custom List	Onsite, Remote, Hybrid  weighted <input type="button" value="▼"/> blank: 0 % $\Sigma$ X

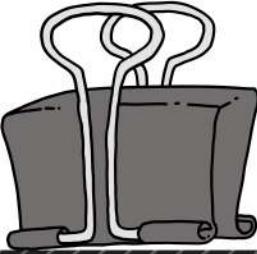
[+ ADD ANOTHER FIELD](#) [GENERATE FIELDS USING AI...](#)

## [Branch]

Field Name	Type	Options
BranchID	Number	min: 1 max: 14 decimals: 0 blank: 0 % $\Sigma$ X
BranchLocation	Custom List	Smart Village, New Capital, Cairo University, Alexandria, Assiut, Aswan, Beni Suef, Fayoum, Ismaili  random <input type="button" value="▼"/> blank: 0 % $\Sigma$ X
BranchManager	Custom List	Ahmed Khalil, Amina Abbas, Youssef Hamdi, Layla Farid, Kareem Salah, Mariam Nasser, Omar Ma  random <input type="button" value="▼"/> blank: 0 % $\Sigma$ X

[+ ADD ANOTHER FIELD](#) [GENERATE FIELDS USING AI...](#)

# Rows:  Format: Excel



# Database ETL



# Procedures for Every Table

```
CREATE PROCEDURE InsertQuestion
    @CourseID int,
    @QuestionType varchar(50),
    @QuestionTitle varchar(255),
    @CorrectAnswer varchar(255),
    @Choice1 varchar(255) =NULL,
    @Choice2 varchar(255) =NULL
AS
BEGIN
    SET NOCOUNT ON;
    -- Check if the specified CourseID exists
    IF NOT EXISTS (SELECT 1 FROM Course WHERE CourseID = @CourseID)
    BEGIN
        PRINT 'Error: The specified CourseID does not exist.';
        RETURN;
    END
    -- Check if the QuestionType is valid
    IF @QuestionType NOT IN ('MCQ', 'TF')
    BEGIN
        PRINT 'Error: Invalid QuestionType. Must be either "MCQ" or "TF".';
        RETURN;
    END
    -- Insert into Questions table
    INSERT INTO Questions (CourseID, QuestionType, QuestionTitle, CorrectAnswer)
    VALUES (@CourseID, @QuestionType, @QuestionTitle, @CorrectAnswer);

    PRINT 'Question inserted successfully.';
```

```
-- If the question type is TF, insert choices into the Choices TRUE AND FALSE IN THE table
IF @QuestionType = 'TF'
BEGIN
    DECLARE @QuestionID int;
    SET @QuestionID = SCOPE_IDENTITY(); -- Get the ID of the newly inserted question

    -- Insert choices into Choices table
    INSERT INTO Choices (QuestionID, Choices)
    VALUES (@QuestionID, 'TRUE'), (@QuestionID, 'FALSE');

    PRINT 'Choices inserted for True/False question.';
END
-- IF THE QUESTION TYPE IS MCQ then it will insert the choices parameter into the choices table for the q
ELSE IF @QuestionType = 'MCQ'
BEGIN
    DECLARE @QuestionID2 int;
    SET @QuestionID2 = SCOPE_IDENTITY(); -- Get the ID of the newly inserted question

    -- Check if all choices are provided
    IF @Choice1 IS NULL OR @Choice2 IS NULL
    BEGIN
        PRINT 'Error: Choices cannot be NULL for MCQ questions.';
        DELETE FROM Questions WHERE QuestionID = @QuestionID2; -- Rollback insertion
        RETURN; -- Exit the procedure
    END
    -- Insert choices into Choices table
    INSERT INTO Choices (QuestionID, Choices)
    VALUES (@QuestionID2, @Choice1),(@QuestionID2, @Choice2),(@QuestionID2, @CorrectAnswer);
    PRINT 'Choices inserted successfully.';
```

# Procedures for Every Table

```
--- This procedure will insert a student and will assign him to the courses that in the track that was given in the parameter ,  
-- This will happen by inserting the student id and the courses id in the StudentCourse table  
  
USE [ExaminationSystemDB]  
GO  
ALTER PROCEDURE [dbo].[InsertStudent]  
    @firstname VARCHAR(50), @lastname VARCHAR(50), @age int, @gender VARCHAR(6), @phone NCHAR(10),  
    @location VARCHAR(255), @faculty VARCHAR(50), @gradutaionyear INT, @Email VARCHAR(50), @Password VARCHAR(50),  
    @branchname VARCHAR(50),@trackname VARCHAR(50)  
AS  
BEGIN  
    SET NOCOUNT ON;  
    DECLARE @trackid INT  
    SELECT @trackid = TrackID FROM Track WHERE TrackName = @trackname  
  
    DECLARE @BranchID INT  
    SELECT @BranchID = BranchID FROM Branch WHERE BranchLocation = @branchname;  
  
    INSERT INTO Student (FirstName, LastName, Age, Gender, Phone, [Location], Faculty, GraduationYear, Email, [Password],BranchID, TrackID)  
    VALUES (@firstname, @lastname, @age, @gender, @phone, @location, @faculty, @gradutaionyear,@email, @Password,@BranchID ,@trackid)  
  
    Declare @StudentID INT  
    Set @StudentID = SCOPE_IDENTITY()  
  
    INSERT INTO StudentCourse (StudentID, CourseID)  
        SELECT @StudentID, CourseID  
        FROM TrackCourse  
        WHERE TrackID = @TrackID;  
END;
```

# Procedures for Every Table

```
--> INSERTJOBKPI ---> insert with all data
ALTER PROCEDURE InsertJobKPI
    @StudentID int,
    @Position varchar(50),
    @CompanyName varchar(50),
    @HiringDate datetime
WITH ENCRYPTION
AS
BEGIN
    SET NOCOUNT ON;

    -- Check if the student exists
    IF NOT EXISTS (SELECT 1 FROM Student WHERE StudentID = @StudentID)
    BEGIN
        PRINT 'Student does not exist.';
        RETURN;
    END

    -- Insert into JobKPI table
    INSERT INTO JobKPI (StudentID, Position, CompanyName, HiringDate)
    VALUES (@StudentID, @Position, @CompanyName, @HiringDate);

    PRINT 'JobKPI record inserted successfully.';
END
```

# 3- Main procedures

```
INSERT INTO TakesExam (StudentID, ExamID, QuestionID)
SELECT
    StudentID,
    ExamID,
    QuestionID
FROM
    #TempExam;

DROP TABLE #TempExam;
END;
-----Calling-----
EXEC CreateExamv02 @CourseID=8,@StudentID=361;

EXEC CreateExamv02 @CourseID=7,@StudentID=360;
EXEC CreateExamv02 @CourseID=2,@StudentID=906;

-----2-proc for ANSWER AND CORRECTION-----

```

results: Messages

QuestionID	QuestionTitle	Choices
15	SQL functions can only be used in the SELECT statement.	FALSE
15	SQL functions can only be used in the SELECT statement.	TRUE
56	Which of the following is a primary key in a database?	A key that can be repeated multiple times
56	Which of the following is a primary key in a database?	A key that is used for indexing purposes only
56	Which of the following is a primary key in a database?	A unique identifier for each record in the table
6	In SQL, the GROUP BY clause is used to group rows.	FALSE
6	In SQL, the GROUP BY clause is used to group rows.	TRUE
55	Which type of database is optimized for handling large amounts of data?	NoSQL Database
55	Which type of database is optimized for handling large amounts of data?	Object-Oriented Database
55	Which type of database is optimized for handling large amounts of data?	Relational Database
16	The SQL INSERT INTO statement is used to update data in a table.	FALSE
16	The SQL INSERT INTO statement is used to update data in a table.	TRUE
60	What type of relationship is established when a primary key from one table is used as a foreign key in another table?	Many-to-Many

# 3- Main procedures

## 1-Generation Exam

-----Calling-----  
CreateExamv02 @CourseID=8,@StudentID=360;  
CreateExamv02 @CourseID=7,@StudentID=360;  
CreateExamv02 @CourseID=2,@StudentID=906;

```
--1-proc for Generation Exam--  
create PROCEDURE CreateExamv02 @CourseID INT, @StudentID INT  
AS  
BEGIN  
    INSERT INTO Exam (TotalScore) VALUES (0);  
    DECLARE @ExamID INT;  
    SELECT @ExamID = MAX(ExamID) FROM Exam;  
  
    CREATE TABLE #TempExam (StudentID INT, ExamID INT, QuestionID INT);  
  
    INSERT INTO #TempExam (StudentID, ExamID, QuestionID)  
    SELECT TOP 10  
        @StudentID,  
        @ExamID,  
        Q.QuestionID  
    FROM  
        Questions Q  
    WHERE  
        Q.CourseID = @CourseID  
    ORDER BY  
        NEWID();  
  
    SELECT Q.QuestionID, Q.QuestionTitle, Choices  
    FROM  
        Questions Q  
    JOIN  
        Choices C ON Q.QuestionID = C.QuestionID  
    JOIN  
        #TempExam TE ON Q.QuestionID = TE.QuestionID;  
  
    INSERT INTO TakesExam (StudentID, ExamID, QuestionID)  
    SELECT  
        StudentID,  
        ExamID,  
        QuestionID  
    FROM  
        #TempExam;  
  
    DROP TABLE #TempExam;  
END;
```

# 3- Main procedures

## 2-Answer and Correction Exam

```
--Calling--  
EXEC Answer_and_Correction @std_id =360, @ex_id=1 , @q_id =3 ,@ans = 'TRUE'  
EXEC Answer_and_Correction @std_id =360, @ex_id=1 , @q_id =5 ,@ans = 'TRUE'  
EXEC Answer_and_Correction @std_id =360, @ex_id=1 , @q_id =6 ,@ans = 'TRUE'  
EXEC Answer_and_Correction @std_id =360, @ex_id=1 , @q_id =9 ,@ans = 'TRUE'  
EXEC Answer_and_Correction @std_id =360, @ex_id=1 , @q_id =11 ,@ans = 'TRUE'  
EXEC Answer_and_Correction @std_id =360, @ex_id=1 , @q_id =20,@ans = 'FALSE'  
EXEC Answer_and_Correction @std_id =360, @ex_id=1 , @q_id =54 ,@ans = 'SELECT'  
EXEC Answer_and_Correction @std_id =360, @ex_id=1 , @q_id =57 ,@ans = 'WHERE'  
EXEC Answer_and_Correction @std_id =360, @ex_id=1 , @q_id =60 ,@ans = 'One-to-Many'  
EXEC Answer_and_Correction @std_id =360, @ex_id=1 , @q_id =61 ,@ans = 'BOOLEAN'
```

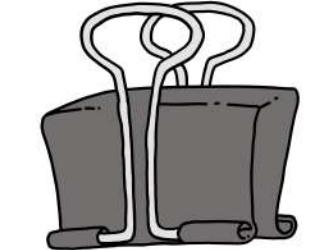
```
-----2-proc for ANSWER AND CORRECTION-----  
CREATE PROCEDURE Answer_and_Correction (@std_id int , @ex_id int , @q_id varchar(50)  
                                         @ans varchar(200) = 'No answer')  
AS  
Begin  
    IF Exists (Select StudentID FROM Student Where StudentID = @std_id)  
        Begin  
            IF Exists (Select ExamID From Exam Where ExamID=@ex_id)  
                Begin  
                    IF Exists(Select QuestionID From Questions Where QuestionID=@q_id)  
                        Begin  
                            declare @grade int  
                            IF (Select CorrectAnswer From Questions Where QuestionID= @q_id) = @ans  
                                Set @grade = 1  
                            ELSE  
                                Set @grade = 0  
                            UPDATE TakesExam  
                                SET StudentAnswer = @ans , score=@grade  
                                WHERE StudentID =@std_id AND ExamID=@ex_id AND QuestionID=@q_id  
                        END  
                    ELSE  
                        select 'Question_ID Not Found'  
                END  
            ELSE  
                Select 'There is no Exam With This ID'  
        END  
    ELSE  
        Select 'Student Id That you have Entered Not Found'  
END
```

# 3- Main procedures

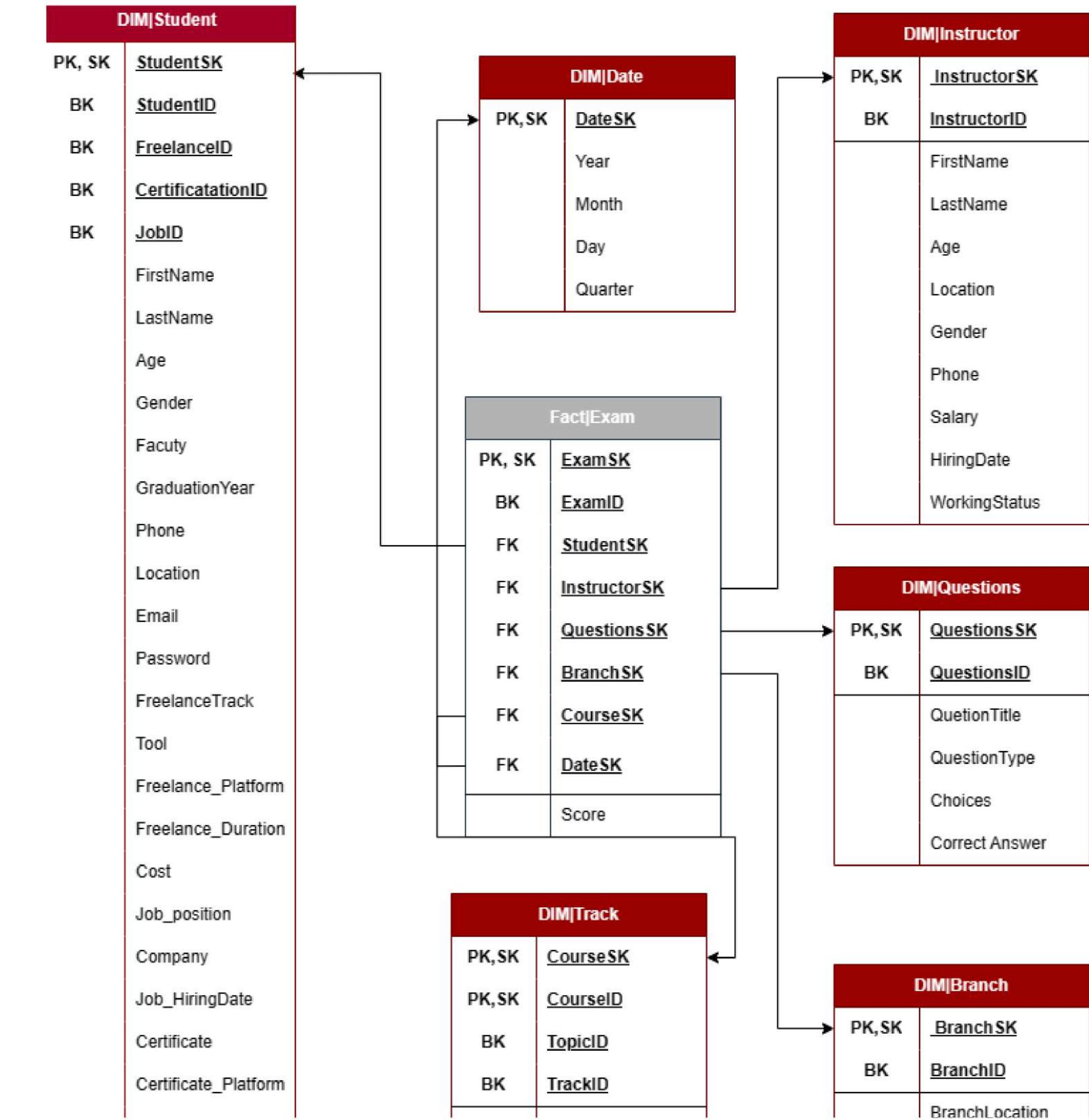
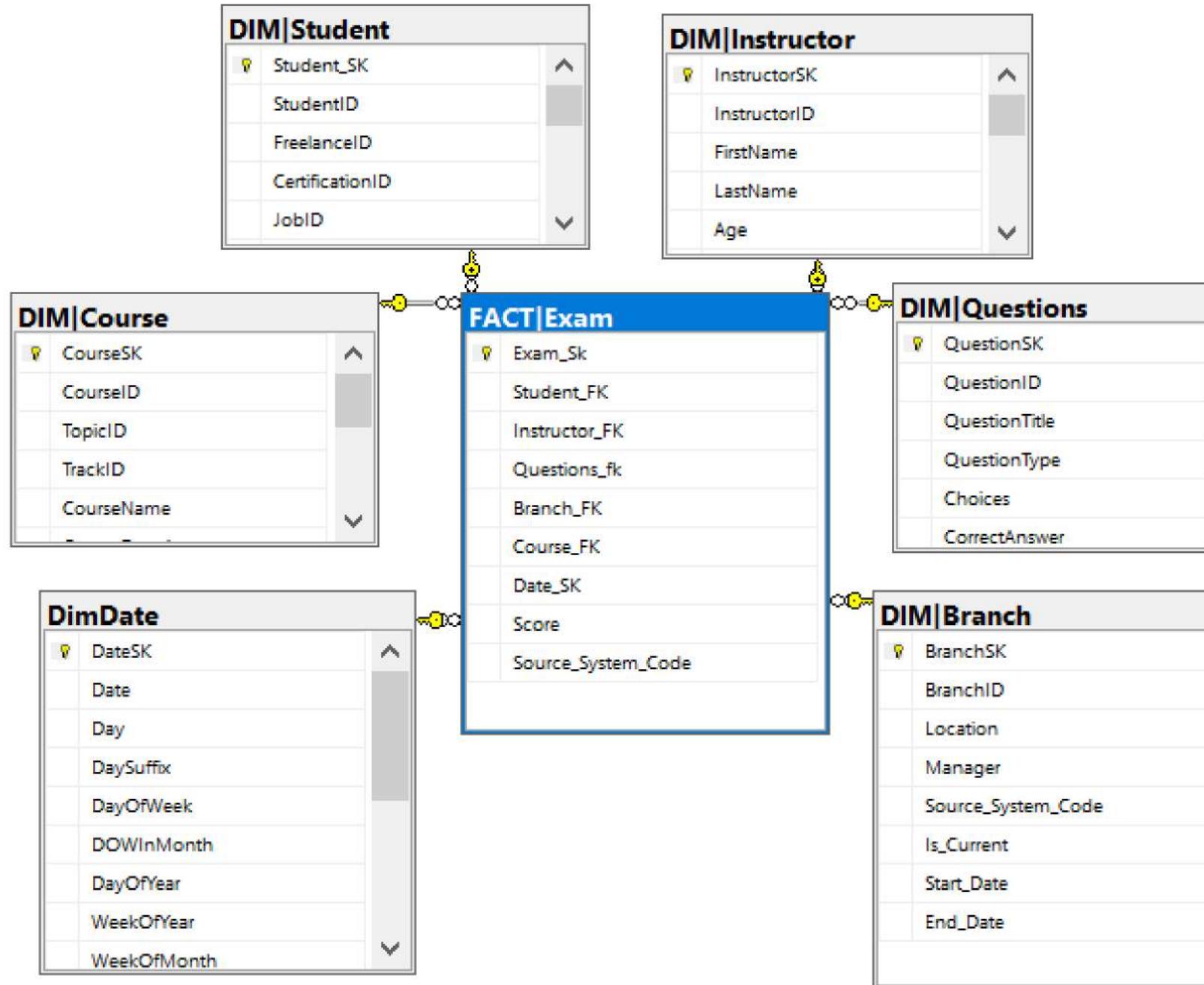
## 3-Total Grade

```
-----Calling-----  
EXEC TotalGrade 1;
```

```
-----3-proc for Total Grade-----  
CREATE PROCEDURE TotalGrade  
    @ex_id INT  
AS  
BEGIN  
    UPDATE Exam  
    SET TotalScore = (  
        SELECT ISNULL(SUM(score), 0)  
        FROM TakesExam  
        WHERE TakesExam.ExamID = @ex_id  
        GROUP BY ExamID  
    )  
    WHERE ExamID = @ex_id;  
END;
```

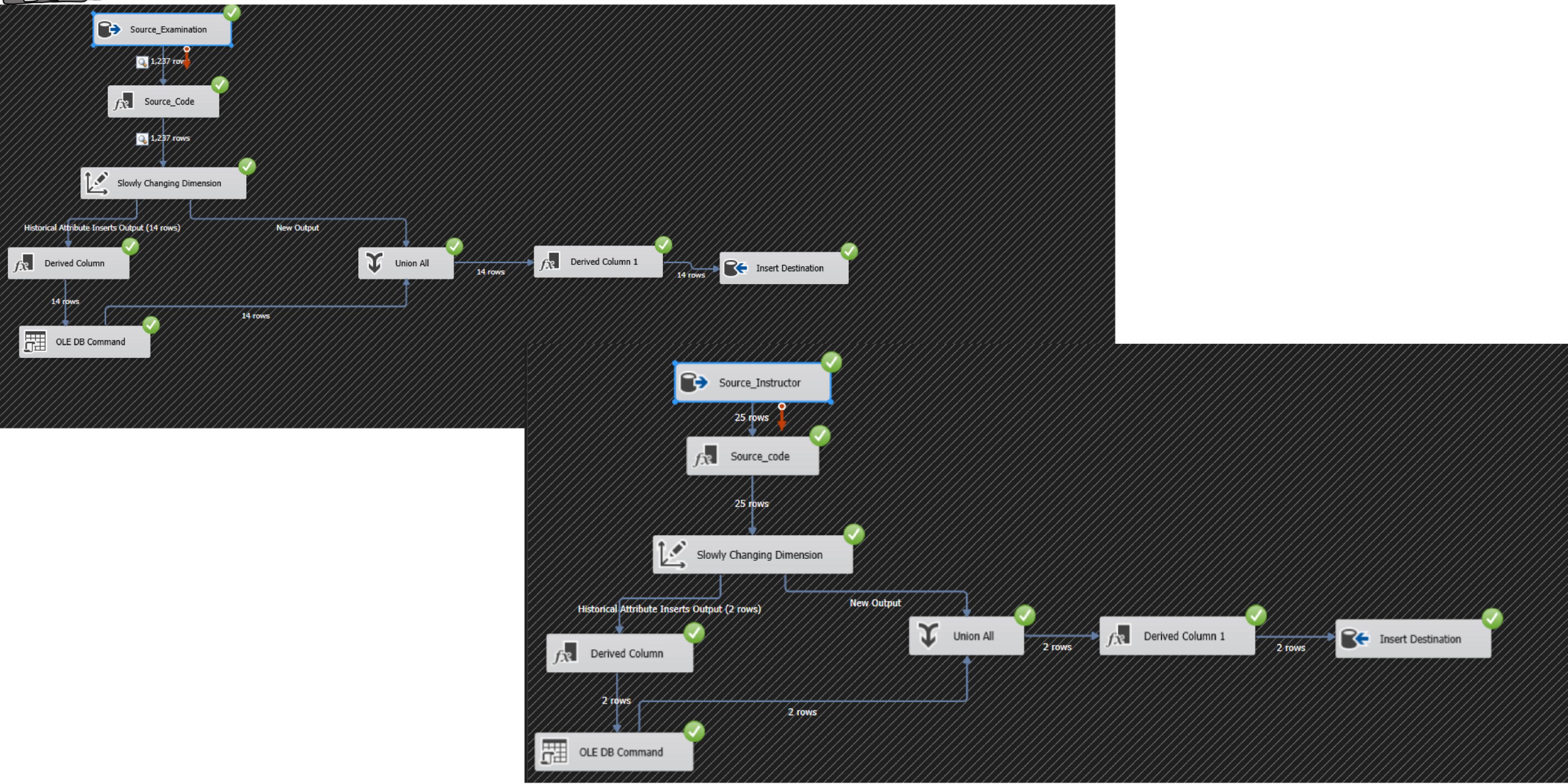


# DWH Creation



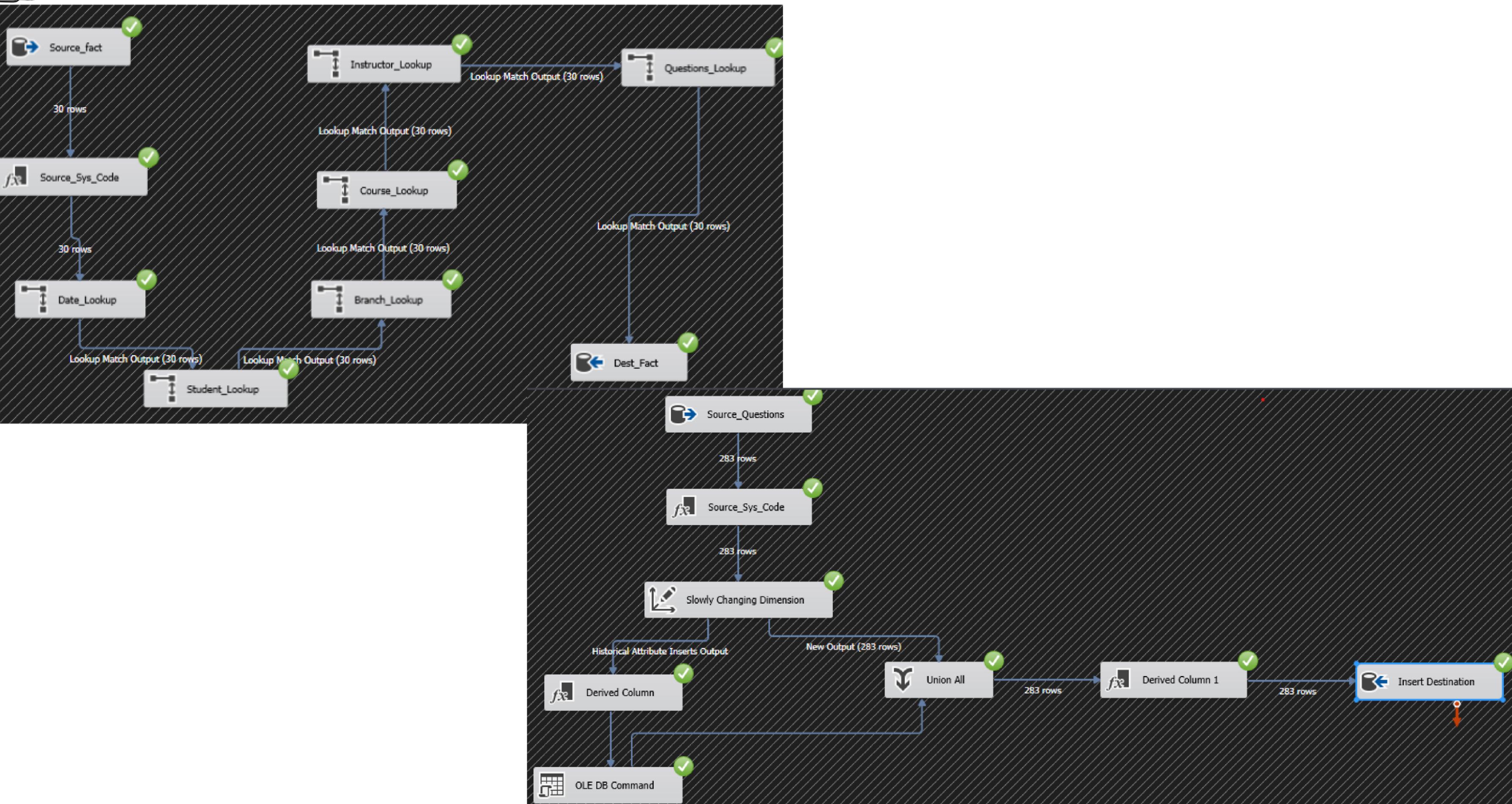


# DWH ETL



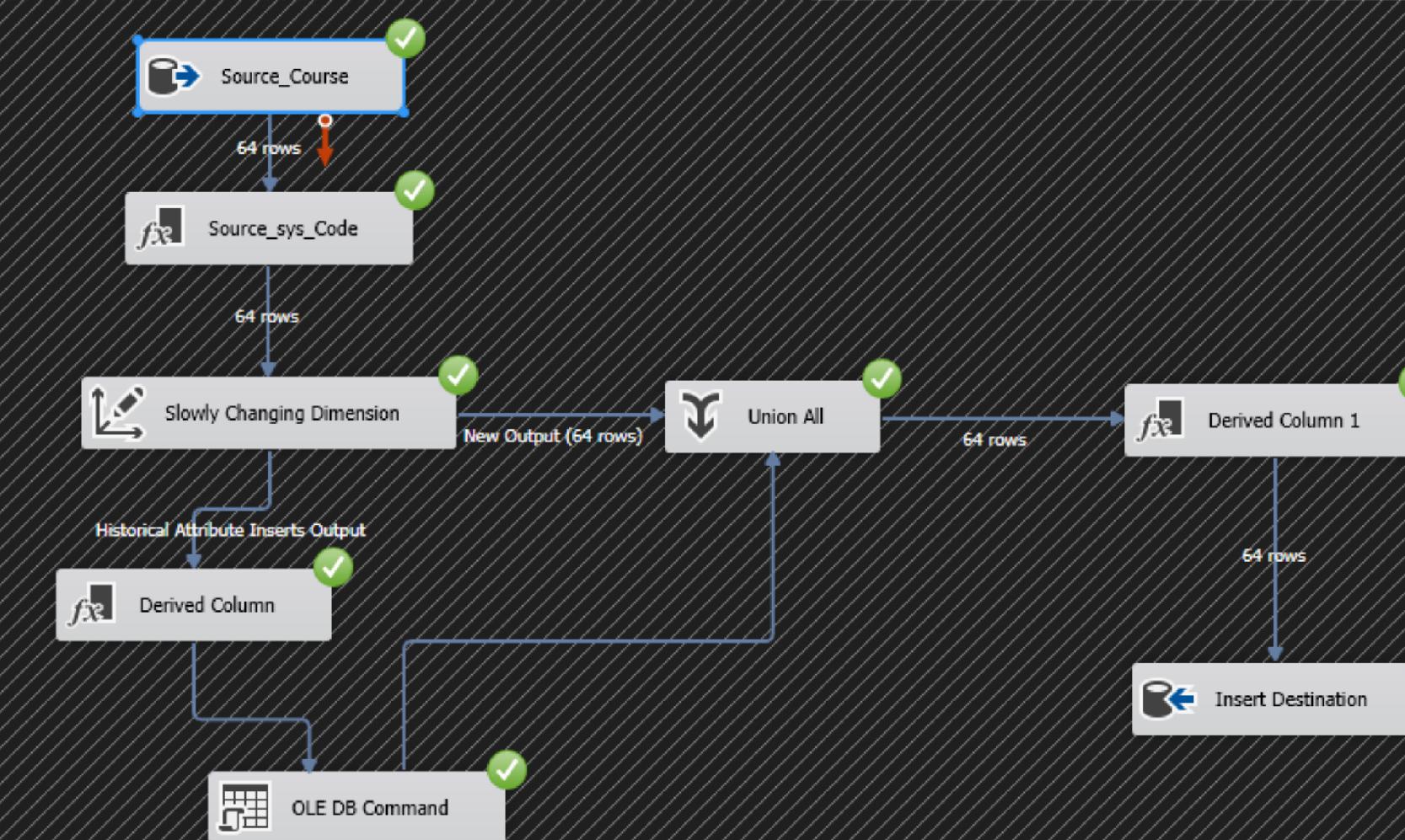
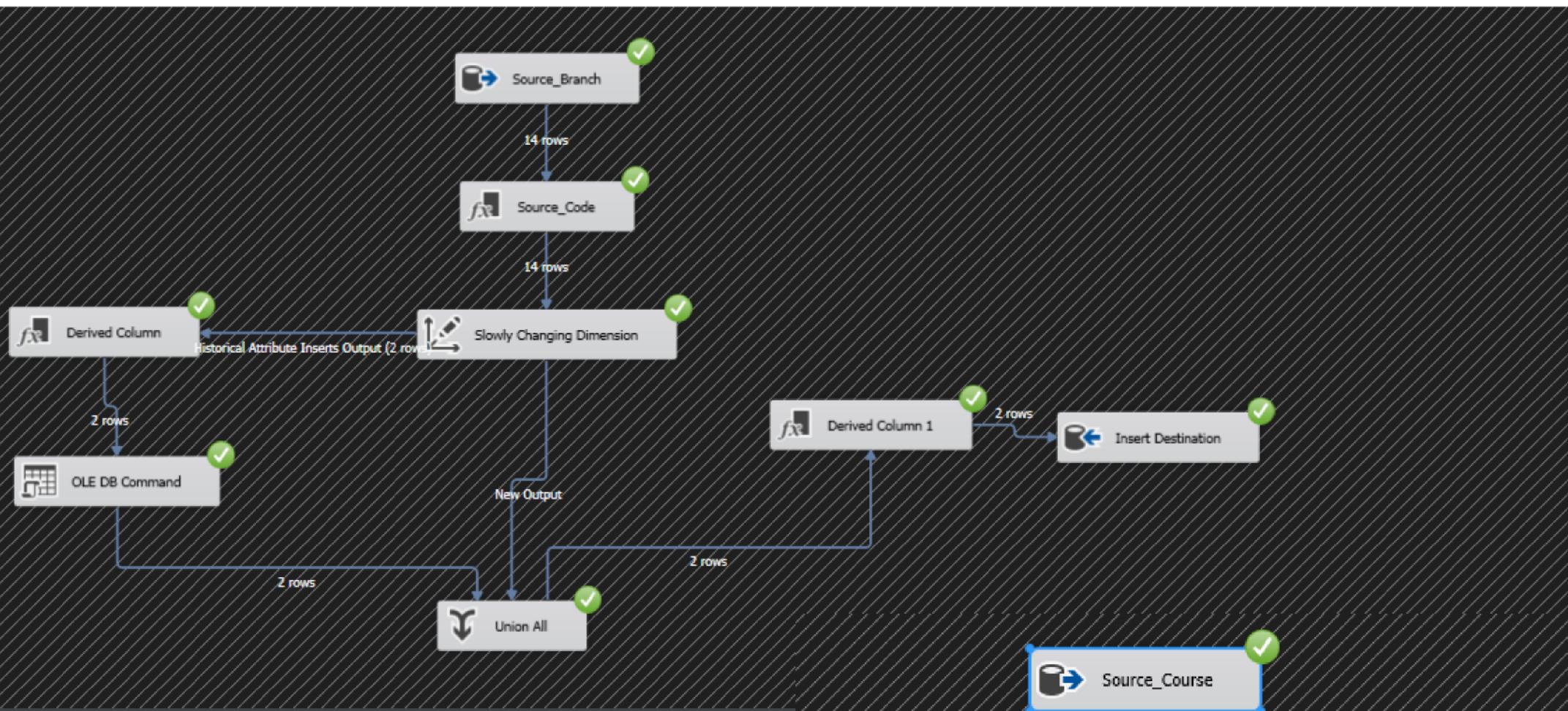


# DWH ETL





# DWH ETL



Track Name DevOps

View Report

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Find | Next

# Students Information in DevOpsTrack

Student ID	FullName	Age	Gender	Phone	Location	Faculty	Graduation Year	Email	Branch ID
601	Yara Haddad	28	Female	1582795166	Qena	Engineering	2022	cblofieldk5@hp.com	5
602	Ilyas Zaman	34	Male	1046330680	South Sinai	Engineering	2023	cfriday4d@weebly.com	5
603	Rafiq Atiyeh	29	Male	1163297776	Dakahlia	Engineering	2022	tmoggan2d@google.co.uk	5
604	Sawsan Nassar	23	Female	1281337455	Red Sea	Engineering	2023	dtorrijosmp@virginia.edu	5
605	Safa Azhari	28	Female	1229484934	Beheira	Computer Science	2023	rakramkw@jugem.jp	5
606	Nadira Haddad	35	Female	1117844891	Port Said	Engineering	2020	dthorpemq@behance.net	5
607	Anwar Alawi	22	Male	1007944208	Dakahlia	Engineering	2020	kairetond5@fotki.com	5
608	Qasim Al-Amiri	29	Male	1187852293	Beni Suef	Computer Science	2023	cskune1s@shareasale.com	5
609	Dana Sadaqat	25	Female	1029602193	Luxor	Computer Science	2023	btytlerft@independent.co.uk	5
610	Farida Tarazi	35	Female	1023416481	Kafr El Sheikh	Computer Science	2022	aslesserr5@creativecommons.org	5
611	Ihab Nader	24	Male	1018780654	Aswan	Computer Science	2023	acarpileam@ftc.gov	5
612	Layla Faris	30	Female	1107739881	Beheira	Computer Science	2023	fduckerini7@homestead.com	5
613	Amani Shahidi	24	Female	1049112777	Qalyubia	Engineering	2021	mgedlingp3@canalblog.com	5
614	Khaled Fathi	23	Male	1174591618	Red Sea	Engineering	2023	iugolettiac@woothemes.com	5
615	Lujain Shahidi	30	Female	1191107705	Suez	Computer Science	2021	pfowliepk@columbia.edu	5

student ID

1 of 1 | Find | Next



## The Grades of the Student in Each Course.

Student ID	Course Name	TOTALSCORE
360	Database Design and Management	70 %
360	Front-End Frameworks	50 %

student ID



1 of 1 | Find | Next



## The Grades of the Student in All Courses.

StudentID	TOTALSCORE
360	56.6667 %

Instrctor ID

19



# Instructor's Courses and Student Count

coursename	Count Students
Critical Thinking and Problem-Solving	983
Presentation Skills	983

# Topic Courses by TopicID: 1

CourseName	TopicName
HTML and CSS Fundamentals	Overview
Introduction to Full Stack Development	Overview
Introduction to DevOps Principles	Overview
Introduction to Mobile App Development	Overview
Introduction to Cybersecurity	Overview
Fundamentals of Interior Design	Overview

Course ID 7



# Course Topics by CourseID: 7

Course Name	Topic Name
Introduction to Full Stack Development	Overview

STUDENTID	360	EXAMID	1
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◀ ▶ 1 of 1 | ← → | × | Print | Export | 100% | Find | Next

# Exam Questions with Student Answers.

Student ID	Exam ID	Question Title	Student Answer
360	1	the ORDER BY clause is used to sort the result set in ascending order by default.	TRUE
360	1	The SQL INSERT INTO statement is used to add new records into a database table.	TRUE
360	1	SQL stands for Structured Query Language.	TRUE
360	1	The SQL TRUNCATE TABLE statement removes all rows from a table without logging individual row deletions.	FALSE

EXAMID 2

## Exam Questions and Choices

Question Title	Correct Answer	Choice1	Choice2	Choice3
The SQL SELECT statement is used to retrieve data from a database.	TRUE	FALSE	TRUE	
In SQL, the GROUP BY clause is used to group rows that have the same values into summary rows.	TRUE	FALSE	TRUE	
The SQL INSERT INTO statement is used to add new records into a database table.	TRUE	FALSE	TRUE	
In SQL, the HAVING clause is used to filter the results returned by the GROUP BY clause.	TRUE	FALSE	TRUE	
In SQL, a primary key constraint ensures that a column or a set of columns in a table uniquely identifies each row in that table.	TRUE	FALSE	TRUE	
The SQL INSERT INTO statement is used to update existing records in a table.	FALSE	FALSE	TRUE	

# DASHBOARDS

## Overview



983 Students

9 NO. of Topics

9 Instructors

258 Certificates

11 Faculties

12 NO. of Courses

7 NO. of Tracks

614 Freelances

Graduation Year: All

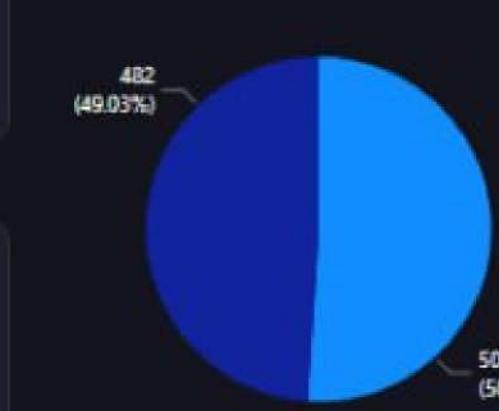
Faculty: All

Students Location: All

Instructors working status: Hybrid

Branches: All

**Students by Gender**



Gender	Count	Percentage
Male	482	49.03%
Female	501	50.97%

**Instructors By Gender**



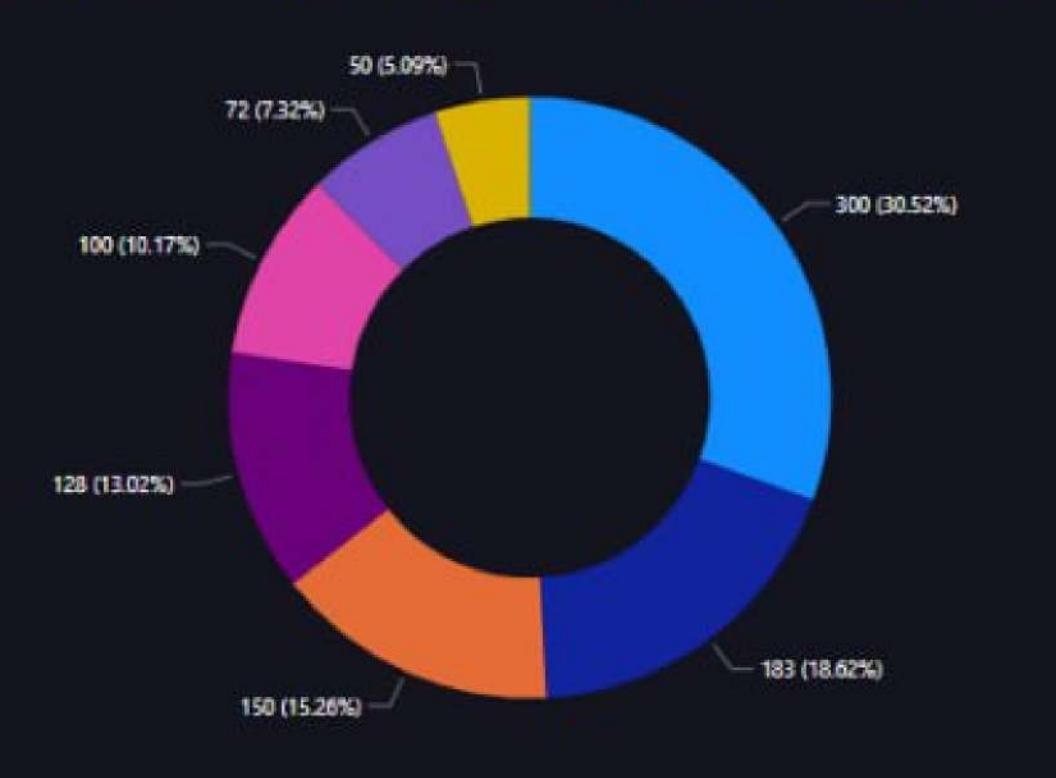
Gender	Count	Percentage
Female	7	77.78%
Male	2	22.22%

**Instructors and Students by Branches**



Branch	Instructors	Students
Fayoum	7	67
Minya	7	48
New Capital	7	49
Ismailia	136	136
Mansoura	6	90
Sohag	6	69
Beni Suef	5	50
Menofia	5	124
Qena	5	85
Alexandria	4	34
Asiut	4	87
Cairo	4	114
Smart Village	4	72

**Students by Track**



Track	Count	Percentage
Full stack	150	15.26%
Web Devel...	183	18.62%
Interior D...	128	13.02%
Mobile ...	100	10.17%
Power BI	72	7.32%
DevOps	50	5.09%
Cyber Sec...	300	30.52%

# DASHBOARDS

## Student Report

**Female** **Male**

**983 Students** **376 FreshGraduate 2023**

**27 Locations** **11 Faculty**

**Graduation Year**: All

**Faculty**: All

**Location**: All

### Count of Student by Faculty

A donut chart titled "Count of Student by Faculty" showing the percentage distribution of students across various faculties. The chart is divided into three main segments: Engineering (blue), Computer Science (light blue), and Other (yellow). The legend lists 12 faculties: Engineering, Computer Science, Pharmacy, Arts, science, Law, Agriculture, Commerce, Information Tec..., Medicine, and Other.

Faculty	Percentage
Engineering	46.69%
Computer Science	50.97%
Other	0.51%

**482 Females**

**501 Males**

### Students by Age

A bar chart titled "Students by Age" showing the count of students for each age group from 22 to 35. The y-axis represents the count of students, ranging from 0 to 80. The x-axis lists the ages. The values for each bar are explicitly labeled above them.

Age	Count
22	71
23	81
24	61
25	71
26	65
27	76
28	77
29	66
30	52
31	78
32	73
33	78
34	69
35	65

### Average of Age by Gender

A donut chart titled "Average of Age by Gender" showing the average age for females and males. The chart is divided into two main segments: Female (light blue) and Male (dark blue). The legend indicates "Female" and "Male".

Gender	Average Age
Female	28.42 (49.92%)
Male	28.52 (50.08%)

### Students by Location

A horizontal bar chart titled "Students by Location" showing the count of students for each location. The y-axis represents the count of students, ranging from 0 to 100%. The x-axis lists the locations. The values for each bar are explicitly labeled below them.

Location	Count
North Sinai	51
Red Sea	45
Qalyubia	43
Suez	43
Qena	42
New Valley	41
Sohag	39
Port Said	36
South Sinai	31
Sharqia	28

# DASHBOARDS

The dashboard provides a comprehensive overview of instructor data across several dimensions:

- Instructor Count:** 25 Instructor
- Average Age:** 37 Average of Age
- Location:** 16 Location
- Average Salary:** 21.9K Average of Salary
- Working Status:** Instructors by Working Status (Onsite ~10, Hybrid ~8, Remote ~5)
- Gender:** Females: 13, Males: 12
- Supervisors:** 7 Supervisors
- Supervisor-Track Assignments:** A table lists SupervisorName and TrackName for eight individuals.
- Average Salary by Gender:** A donut chart shows the distribution of average salary by gender: Females (~47.39%) and Males (~52.61%).
- Instructors by Location:** A map of Egypt color-coded by location, showing concentrations in Cairo, Giza, and other urban centers.

Filtering options on the left include: Gender (All), FullName (All), and WorkingStatus (All). Navigation icons for back, forward, and search are also present.

# DASHBOARDS

## Branch Report

Count of Instructors by Branch Location

Minya Sohag Fayoum Ismailia Mansoura New Capital Beni Suef Assiut Menofia

BranchManager	BranchLocation
Omnia Nasser	Alexandria
Nader Ahmed	Assiut
Tariq Abdel Rahman	Aswan
Omar Mansour	Beni Suef
Aisha Kamal	Cairo
Mariam Nasser	Fayoum
Hassan Farid	Ismailia
Hana Saadi	Mansoura
Zeyad Salah	Menofia
Sami Khoury	Minya

Branch with max instructors: Minya (15)

Branch with max students: Ismailia (136)

14 Branches

14 Branch Managers

Count of Instructors by BranchLocation

BranchLocation	Count of Instructors
Minya	15
Sohag	14
Fayoum	12
Ismailia	12
Mansoura	12
New Capital	12
Beni Suef	10
Assiut	9
Menofia	9
Qena	9
Cairo	8
Smart Village	7
Alexandria	6

Count of Students by Branch Location

BranchLocation	Count of Students
Ismailia	136
Menofia	124
Cairo	114
Mansoura	90
Smart Village	87
Assiut	85
Sohag	69
Fayoum	67
Beni Suef	50
New Capital	49
Minya	48
Qena	34
Alexandria	30

# DASHBOARDS

## Course Report

10      120

**Courses by Duration**

Duration (min)	Number of Courses
10	4
15	2
20	2
25	4
30	5
35	2
40	5
55	5
70	1
85	1
100	1
115	1

**38 Courses**

**Topics**

**28 Topics**

**courses by Top 4 Topic**

TopicName	Count	Percentage
Overview	6	42.86%
Soft Skills	4	28.57%
Frontend	2	14.29%
Scripting	2	14.29%

**Tracks by Course**

Track	Count
Critical Thinking and Problem...	7
Interview and CV	7
Presentation Skills	7
Time Management	7
Front-End Frameworks	2
Power BI Basics and Visualization	2
Advanced Power BI Features an...	1
Android App Development wit...	1
CI/CD	1
Color Theory and Material Sele...	1
Cross-Platform Mobile Develop...	1
Data Modeling and DAX Functi...	1
Database Design and Manage...	1
Deployment and DevOps for Fu...	1
Ethical Hacking and Penetratio...	1
Fundamentals of Interior Design	1
Furniture and Fixture Design	1

# DASHBOARDS

## Exam Report

2/13/2024 - 2/22/2024 

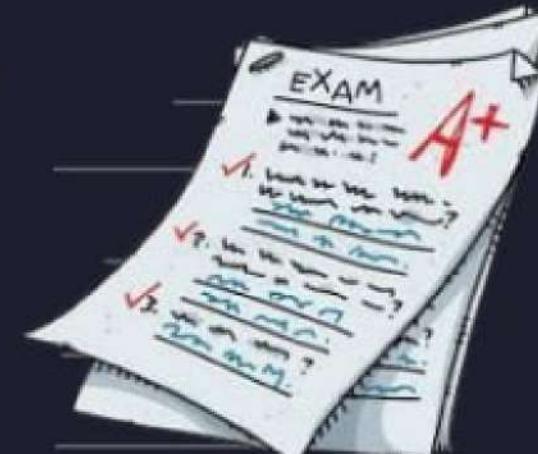
**36** Exams

**30** Students Take Exam

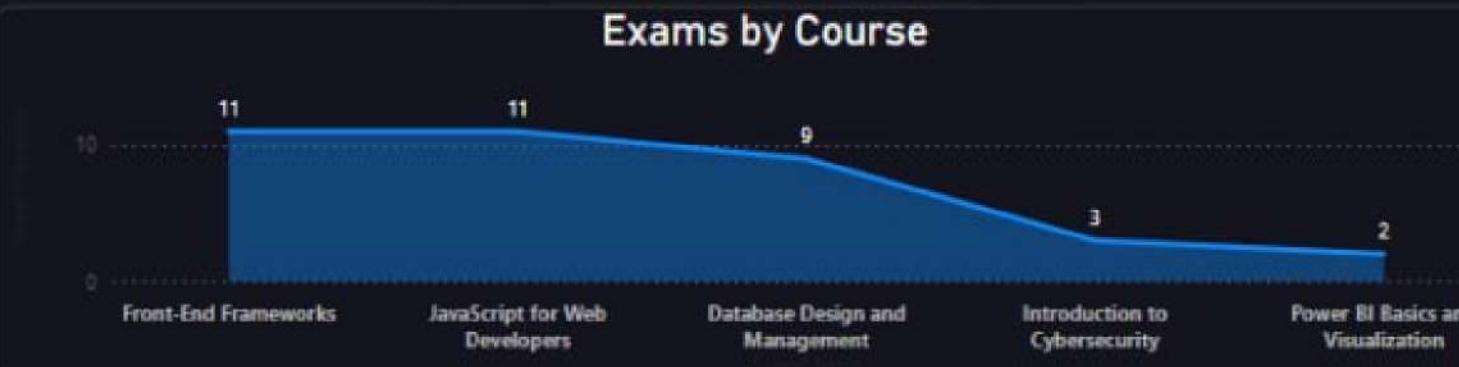
**360** Questions

**19** Female Students

**11** Male Students

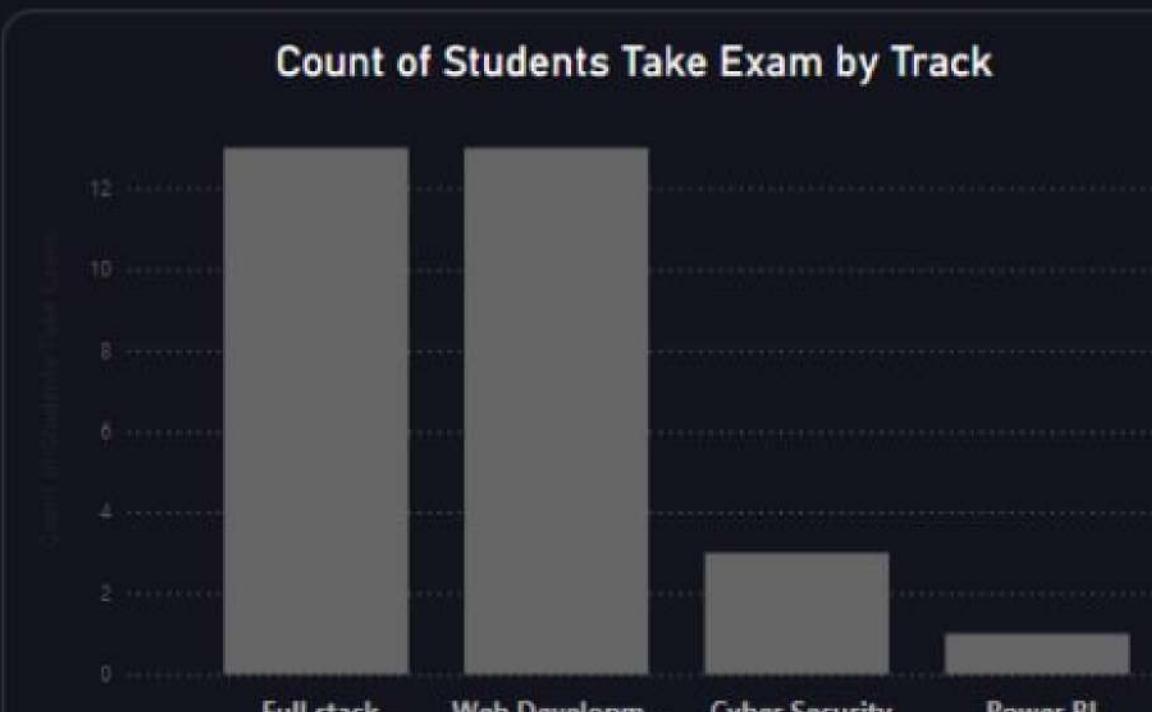


**Exams by Course**



Course	Count
Front-End Frameworks	11
JavaScript for Web Developers	11
Database Design and Management	9
Introduction to Cybersecurity	3
Power BI Basics and Visualization	2

**Count of Students Take Exam by Track**



Track	Count
Full stack	12
Web Development...	12
Cyber Security	3
Power BI	1

StudentID	FullName	BranchLocation	TrackName
28	Nadira Abdul-Rahman	Mansoura	Power BI
254	Sami Nasser	Sohag	Cyber Securi
262	Dalal Fawaz	New Capital	Cyber Securi
277	Salwa Abdul-Rahman	Qena	Cyber Securi
324	Jafar Kanaan	Menofia	Full stack
330	Sameera Abdul-Qadir	Menofia	Full stack

# DASHBOARDS

## Power BI Report

**Count of Students by Course Name and Instructor**

Course Name	Count
Critical Thinking and Pro...	983
Interview and CV	983
Presentation Skills	983
Time Management	983
Advanced Power BI Feat...	100
Data Modeling and DAX ...	100
Power BI Basics and Visu...	100

**NO. of Courses**: 9

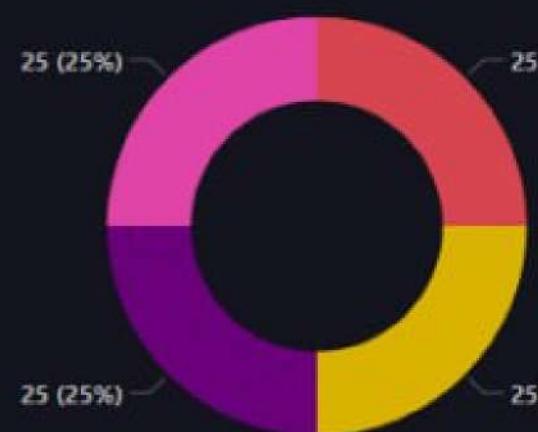
**NO. of Instructors**: 5

**Ibrahim Mohsen**  
Supervisor Name  
**NO. of Students**: 100



**Count of Students by Branch Location and Track Name**

Branch Location	Count
Assiut	25 (25%)
Beni Suef	25 (25%)
Ismailia	25 (25%)
Mansoura	25 (25%)



**Student Name**: All

**Instructor Name**: All

FullName	TrackName	Age	Email	Fac
Adel Nassar	Power BI	27	kfeelycu@cargocollective.com	Engin
Adel Safar	Power BI	27	awarwickdh@usatoday.com	Comput
Adnan Al-Farsi	Power BI	27	tbromley1e@cisco.com	Engin
Adnan Nassar	Power BI	33	remmot93@php.net	Comput
Ahmed Hamdy	Power BI	28	AHMEDHAMDY555@GMAIL.com	Engin
Amal Kanaan	Power BI	29	jmatteacci4@buzzfeed.com	Comput
Amal Nassar	Power BI	33	kspantong1@wix.com	Comput

# APPLICATION



Power Apps



Power Automate

# Information Technology Institute



Email

Password

Student  Instructor

Login

Admin

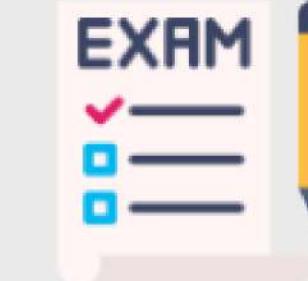


# Student Portal





Information



Exams



Courses



Grades



## Available Exams

HTML and CSS Fundamentals

JavaScript for Web Developers

Responsive Web Design

Critical Thinking and Problem-Solving

Front-End Frameworks

**Start Exam**

Q1) Power BI is a business analytics tool developed by Microsoft.

- TRUE  FALSE

Q2) The SQL INSERT INTO statement is used to update existing records in a table.

- TRUE  FALSE

Q3) Which Power BI feature allows users to ask questions about their data using natural language?

- TRUE  FALSE

Q4) Which Power BI feature allows users to ask questions about their data using natural language?

- FALSE  TRUE



# Grades



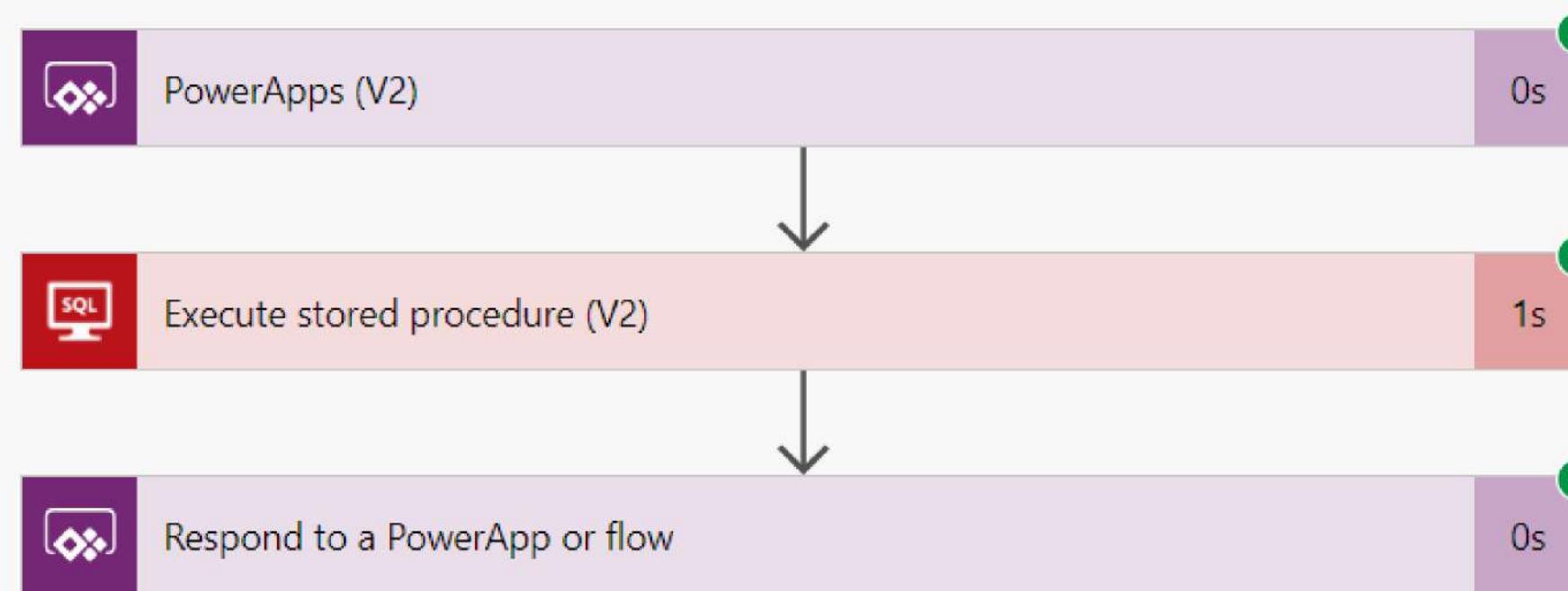
Total Score

1

# POWER AUTOMATE

GetGradesAutomation • Ran at 2/26/2024 7:57:13 PM

✓ Your flow ran successfully.



# POWER AUTOMATE

← StudentLoginAutomation • Ran at 2/26/2024 7:55:18 PM

✓ Your flow ran successfully.

PowerApps (V2) 0s

INPUTS Show raw inputs >

Schema

```
{ "type": "object", "properties": { "text": { "title": "Email", "type": "string", "x-ms-dynamically-added": true, "description": "Please enter your input" } }}
```

OUTPUTS Show raw outputs >

Email  
ccarryerm1@hubpages.com

Password  
"kH7=!x\_bji""pI"

Show more ▾

# POWER AUTOMATE

← StudentLoginAutomation • Ran at 2/26/2024 7:55:18 PM

✓ Your flow ran successfully.

INPUTS

Show raw inputs >

Server name  
•

Database name  
ExaminationSystemDB

Procedure name  
[dbo].[StudentLogin]

OUTPUTS

Show raw outputs >

body

```
{  
  "ResultSets": {  
    "Table1": [  
      {  
        "StudentID": 12  
      }  
    ]  
  }  
}
```

Connection: ExaminationSystemDB .



# POWER AUTOMATE

← StudentLoginAutomation • Ran at 2/26/2024 7:55:18 PM

⋮

✓ Your flow ran successfully.

## Status Code

```
200
```

## Body

```
{  
  "studentid": " 12"  
}
```

## Schema

```
{  
  "type": "object",  
  "properties": {  
    "studentid": {  
      "title": "StudentID",  
      "x-ms-dynamically-added": true,  
      "type": "string"  
    }  
  }  
}
```

## OUTPUTS

Show raw outputs >

### Status code

```
200
```

### Body

```
{  
  "studentid": " 12"  
}
```

# POWER AUTOMATE

- > varBranchID (Number: Blank)
- > varStudentID (Number: Blank)
- > CourseGroup (Record: Blank)
- > InfoGroup (Record: Blank)
- > varTotalScore (Record: Blank)
- > varCourseName (Text: Blank)
- > varCourseID (Record: Blank)
- > QuestionsGroup1 (Record: Blank)

**varStudentID**

919

SelectStudentCoursesAutomation.Run(varStudentID)



# Available Exams



Power BI Basics and Visualization

Data Modeling and DAX Functions

Power Query for Data Transformation

Critical Thinking and Problem-Solving

Advanced Power BI Features and Custom Visuals

Power BI Service and Collaboration

**Start Exam**

# Thank's For Watching

