

Examination System SQL Documentation

Examination System



Author Team 1 : Nashed Fekry
Mahmoud Nagy
Esraa saber

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Tools : Sql Server

Examination System SQL

A system that contains many permissions, including student permissions, administrator permissions, and teacher permissions

Where the director can control the branch, track, subject, teacher, and students of the department he manages

Where you can add, modify or remove any item in its section

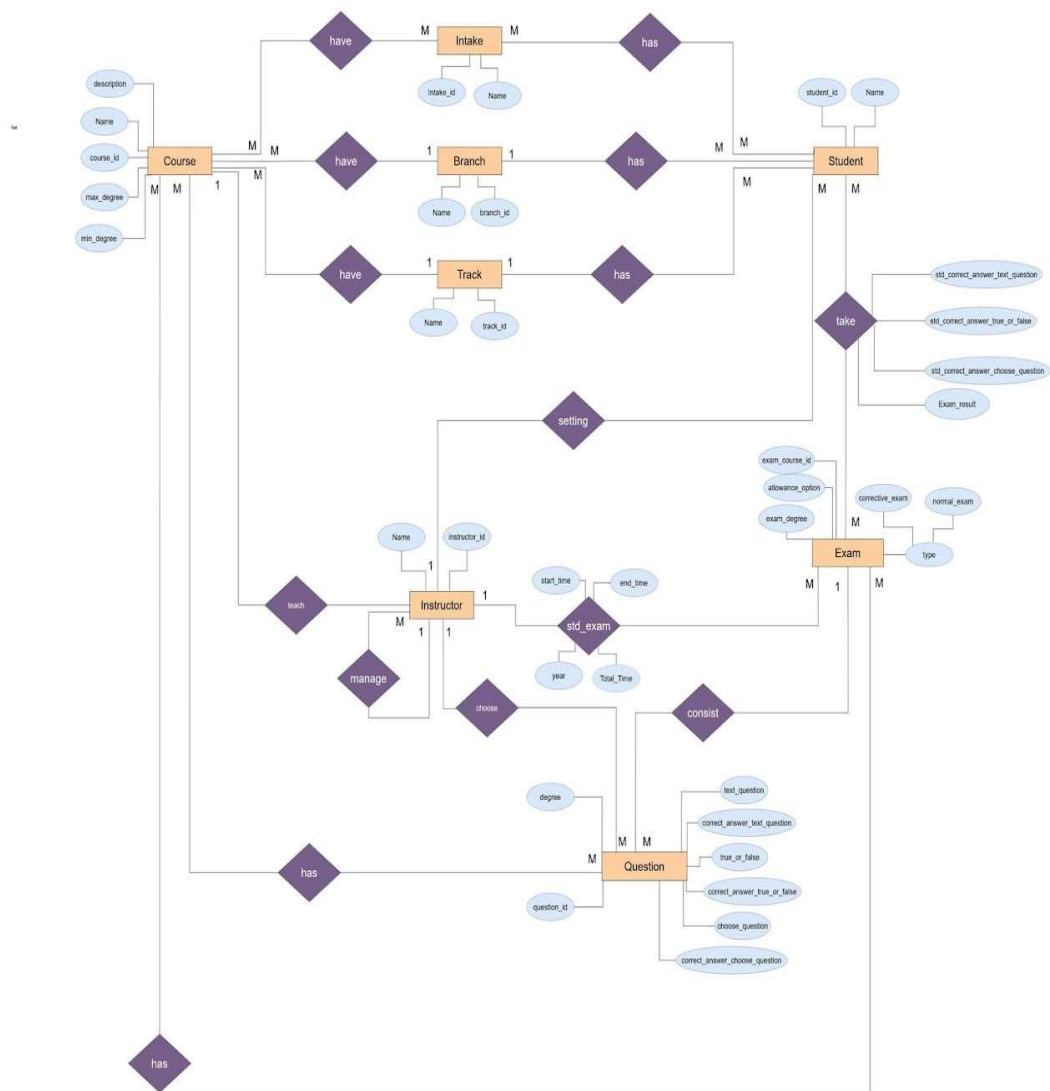
The teacher can set exams for students studying his subject

In the system, the student can answer the exam, and then the teacher returns and corrects the exam and assigns the student's grade

The system is integrated and designed in a simple and easy way

You can use a file [Query for testing](#) To test this System

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Mapping

Red = PK

Blue = FK

Course

<u>Course_ID</u>	Name	Min_Degree	Max_Degree	Description
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Branch

<u>Branch_ID</u>	Branch_Name
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Course_Branch (composite primary key)

<u>Course_ID</u>	<u>Branch_ID</u>
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Track

<u>Track_ID</u>	Track_Name
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Course_Track (composite primary key)

<u>Course_ID</u>	<u>Track_ID</u>
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Intake

<u>Intake_ID</u>	Intake_Name
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Course_Intake (composite primary key)

<u>Course_ID</u>	<u>Intake_ID</u>
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Instructor

<u>Ins_ID</u>	Age	Inst_Name	<u>Mgr_ID</u>
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Instructor_Teach_Course (composite primary key)

<u>Course_ID</u>	<u>Inst_ID</u>
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Questions

<u>Questions_ID</u>
Degree
Text_Questions
Correct_Answer_Text_Questions
True_or_False_Questions
Correct_Answer_True_or_False
Choose_An_Answer_Question
Correct_Answer_Choose_Question
<u>Course_Id</u>

Instructor_Choose_Questions

<u>Questions_ID</u>	<u>Instructor_ID</u>
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Questions_Consist_Exam (composite primary key)

<u>Questions_ID</u>	<u>Exam_ID</u>
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Exam

<u>Exam_ID</u>	Exam_Degree	Allowance_Option	Normal_Exam	Corrective_Exam
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Course_Exams (composite primary key)

<u>Exam_ID</u>	<u>Course_ID</u>
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Instructor_Sets_Exam

<u>Exam_ID</u>	<u>Inst_ID</u>	Start_Time	End_Time	Year
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Students

<u>Std_ID</u>	Std_Name	Std_Age
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Students_take_Exam (composite primary key)

<u>Std_ID</u>
<u>Exam_ID</u>
<u>Questions_Id</u>
Questions_result
Std_Answer_Text_Question
Std_Answer_Choose_Question
Std_Answer_True_or_False

Student Branch (composite primary key)

<u>Std_ID</u>	<u>Branch_ID</u>
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Student Track (composite primary key)

<u>Std_ID</u>	<u>Track_ID</u>
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Student Intake (composite primary key)

<u>Std_ID</u>	<u>Intake_ID</u>
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Manager's_Selected_Students (composite primary key)

<u>Std_ID</u>	<u>Inst_ID</u>	<u>Exam_Id</u>
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Diagram

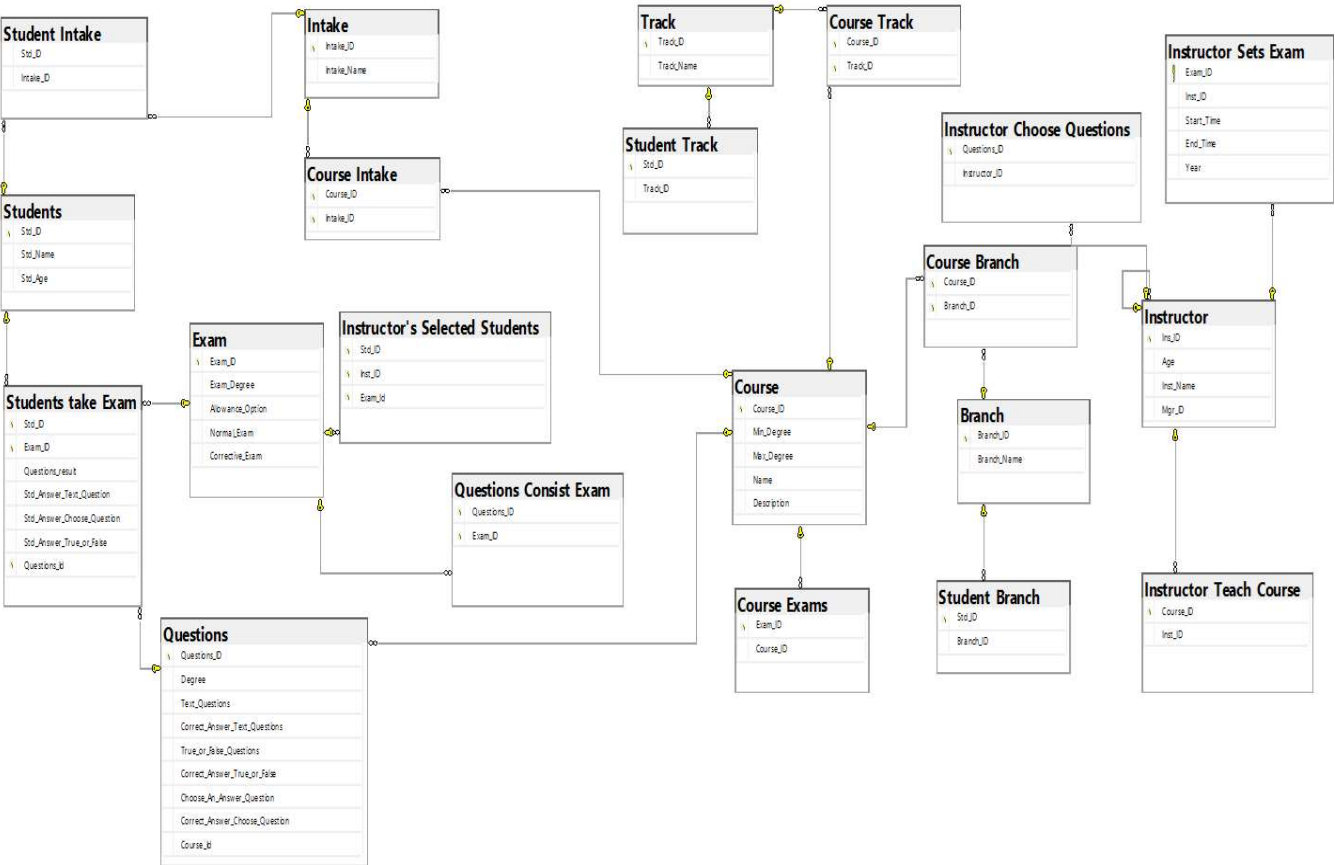























































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-  [dbo].[add_New_Branch]
-  [dbo].[Branch_Action_Update_Or_Delete]
-  [dbo].[add_New_Course]
-  [dbo].[delete_Course]
-  [dbo].[update_Course_Name]
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-  [dbo].[Enter_INST_ID_To_Display_Branch_Track_Intake_Info]
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-  [dbo].[add_New_Instructor]
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-  [dbo].[add_New_track]
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-  [dbo].[delete_track]
-  [dbo].[Enter_STD_ID_To_Display_Branch_Track_Intake_Info]
-  [dbo].[CorrectExamForStudent]
-  [dbo].[add_New_Question]
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-  [dbo].[add_New_Student]
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-  [dbo].[delete_Student]
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-  [dbo].[Enter_STD_ID_To_Display_Name_Age_CourseName]
-  [dbo].[Set_Student_To_Exam]





Views :

-  [dbo].[All_Branch_Tarck_Intake]
-  [dbo].[branch_view]
-  [dbo].[track_view]
-  [dbo].[Intake_view]
-  [dbo].[Students_With_Exam_and_Grade]
-  [dbo].[All_Students_And_His_Course]
-  [dbo].[All_Student]
-  [dbo].[questions_view]
-  [dbo].[instructo_view]
-  [dbo].[STD_Show_Questions_Exam]
-  [dbo].[All_Instructor]
-  [dbo].[Course_view]
-  [dbo].[exam_view]
-  [dbo].[Students_take_Exam_view]
-  [dbo].[student_view]

Index :

-  Search by Mgr_ID
-  Search by Question_Degree
-  Search by Student_Result
-  Search_by_Exam

Function :

-  Calc Total_Student
-  Calc Total Courses
-  Calc Total_Instructor
-  Calc Total_Grades

Triggers:

-  ddlt_PreventDDLDropTable

Job:

-  MaintenancePlan.Subplan_1

Brief description for all objects in DB

Stored Procedure	description
[dbo].[add_New_Branch]	proc to add new branch in branch table
[dbo].[add_New_Course]	proc to add new Course in Course table
[dbo].[add_New_Instructor]	proc to add new Instructor in Instructor table
[dbo].[add_New_Intake]	proc to add new Intake in Intake table
[dbo].[add_New_Question]	proc to add new Question in Question table
[dbo].[add_New_Student]	proc to add new Student in Student table
[dbo].[add_New_track]	proc to add new track in track table
[dbo].[Branch_Action_Update_Or_Delete]	proc to update or delete in branch table
[dbo].[CorrectExamForStudent]	proc to Correct Exam For Student
[dbo].[delete_Course]	proc to delete in Course table
[dbo].[delete_Instructor]	proc to delete in Instructor table
[dbo].[delete_Question]	proc to delete in Question table
[dbo].[delete_Student]	proc to delete in Student table
[dbo].[delete_track]	proc to delete in track table
[dbo].[Enter_INST_ID_To_Display_Branch_Track_Intake_Info]	proc to Get info about Instructor
[dbo].[Enter_INST_ID_To_Display_Name_CourseName_Info]	proc to Get info about Instructor
[dbo].[Enter_STD_ID_To_Display_Branch_Track_Intake_Info]	proc to Get info about Student
[dbo].[Enter_STD_ID_To_Display_Name_Age_CourseName]	proc to Get info about Student
[dbo].[Enter_STD_Name_Fro_Garde_and_Exam_Number]	proc to Get info about Student
[dbo].[GenerateRandomExam]	proc to set exam
[dbo].[Intake_Action_Update_Or_Delete]	proc to update or delete in Intake table
[dbo].[Set_Student_To_Exam]	proc to select Student to Exam
[dbo].[StudentAnswerExamQuestion]	proc to Student Answer Exam Question
[dbo].[upadte_track_Name]	proc to update in Track table
[dbo].[update_Course_Description]	proc to update in Course table
[dbo].[update_Course_min_Max_Degree]	proc to update in Course table
[dbo].[update_Course_Name]	proc to update in Course table
[dbo].[Update_Instructor_Age]	proc to update in Instructor table
[dbo].[Update_Instructor_Name]	proc to update in Instructor table
[dbo].[Update_Question]	proc to update in Question table
[dbo].[update_Student_Age]	proc to update in Student table
[dbo].[update_Student_Name]	proc to update in Student table

view	description
[dbo].[All_Branch_Tarck_Intake]	View to display All Branchs in system
[dbo].[All_Instructor]	View to display All Instructor in system
[dbo].[All_Student]	View to display All Student in system
[dbo].[All_Students_And_His_Course]	View to display All Students And His Course
[dbo].[STD_Show_Questions_Exam]	view to display Questions Exam
[dbo].[Students_take_Exam_view]	view to display Student with his exam
[dbo].[Students_With_Exam_and_Grade]	view to display Student with his exam and grade
[dbo].[branch_view]	view to display branch info
[dbo].[track_view]	view to display track info
[dbo].[Intake_view]	view to display Intake info
[dbo].[instructo_view]	view to display Instructor info
[dbo].[student_view]	view to display Student info
[dbo].[Course_view]	view to display Course info
[dbo].[exam_view]	view to display Exam info
[dbo].[questions_view]	view to display Question info

Functoin	description
Calc Total_Student	Func To Get Number All Students
Calc Total Courses	Func To Get Number All Courses
Calc Total_Instructor	Func To Get Number All Instructor
Calc Total_Grades	Func To Calc Grades

Trigger	description
[ddlT_PreventDDLDropTable]	Trigger to prevent drop any Table from system

Job	description
[MaintenancePlan.Subplan_1]	Job to ececute dialy Backup

Users

Login name	Password
AdminUser	123
Manger	123
Instructor	123
student	123