

Examination System

Data Dictionary

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Tables:

Table dbo.Branch (10 rows)

	Column	Data Type	Identity	Nullable	Default
PK	ID	int	X		
UK	Phone	varchar(13)		X	
UK	City	nvarchar(20)			

Indexes:

PK_Branch (Primary Key) (Clustered)

ID

UQ_BranchCity (Unique)

City

UQ_BranchPhone (Unique)

Phone

Referenced by:

dbo.BranchTracks (BranchID -> ID)

Table dbo.BranchTracks (10 rows)

	Column	Data Type	Identity	Nullable	Default
PK, FK	BranchID	int			
PK, FK	TrackID	int			

Indexes:

PK_BranchTracks (Primary Key) (Clustered)

BranchID TrackID

References:

dbo.Branch (BranchID-> ID)

dbo.Track (TrackID -> ID)

Table dbo.Course (21 rows)

	Column	Data Type	Identity	Nullable	Default
PK	ID	int	X		
UK	Name	varchar(50)			
	Duration	smallint			

Indexes:

PK_Course (Primary Key) (Clustered)

ID

UQ_CourseName (Unique)

Name

Referenced by:

dbo.CoursesInstructors (CrsID -> ID)

dbo.Exam (CrsID -> ID)

dbo.Question (CrsID -> ID)

dbo.StudentCourses (CrsID -> ID)

dbo.Topic (CrsID -> ID)

dbo.TrackCourses (CrsID -> ID)

Table dbo.CoursesInstructors (5 rows)

	Column	Data Type	Identity	Nullable	Default
PK, FK	CrsID	int			
PK, FK	InsID	int			

Indexes:

PK_CoursesInstructors (Primary Key) (Clustered)

CrsID InsID

References:

dbo.Course (CrsID -> ID)

dbo.Instructor (InsID -> ID)

Table dbo.Exam (4 rows)

	Column	Data Type	Identity	Nullable	Default
PK	ID	int	X		
	Name	varchar(50)			
	StartTime	datetime		X	
	Duration	tinyint			
	EndTime	datetime		X	
	QuestionCount	tinyint			
	TotalMark	tinyint		X	0
FK	CrsID	int			
FK	InsID	int			

Indexes:

PK_Exam (Primary Key) (Clustered)

ID

References:

dbo.Course (CrsID -> ID)

dbo.Instructor (InsID -> ID)

Referenced by:

dbo.ExamQuestions (ExamID -> ID)

dbo.StudentExams(ExamID->ID)

dbo.StudentsExamsAnswers (ExamID-> ID)

Triggers:

trg_ExamInsteadOfInsert (Instead Of Insert)

trg_ExamPreventUpdate (After Update)

trg_ExamPreventUpdateStartTime (After Update)

Table dbo.ExamQuestions (15 rows)

	Column	Data Type	Identity	Nullable	Default
PK, FK	ExamID	int			
PK, FK	QuestionID	int			

Indexes:**PK_ExamQuestions** (Primary Key) (Clustered)ExamID
QuestionID**References:**

dbo.Exam (ExamID -> ID)

dbo.Question (QuestionID -> ID)

Triggers:**trg_ExamQuestionAfterUpdate** (After Update)**trg_ExamQuestionsPreventInsert** (Instead Of Insert)**Table dbo.Instructor** (12 rows)

	Column	Data Type	Identity	Nullable	Default
PK	ID	int	X		
	Fname	nvarchar(30)			
	Lname	nvarchar(30)		X	
	BD	date			
	Age	int		X	
	Gender	varchar(1)			
UK	Email	varchar(50)			
	Password	varchar(10)			
	St	nvarchar(50)			
	City	nvarchar(50)			
UK	Phone	varchar(13)			
	HireDate	date		X	getdate()
	Salary	decimal(8,2)			
FK	SuperID	int		X	

Indexes:

PK_Instructor (Primary Key) (Clustered)

ID

UQ_InstructorEmail (Unique)

Email

UQ_InstructorPhone (Unique)

Phone

References:

dbo.Instructor (SuperID -> ID)

Referenced by:

dbo.CoursesInstructors (InsID -> ID)

dbo.Exam (InsID -> ID)

dbo.Instructor (SuperID -> ID)

dbo.Question (InsID -> ID)

dbo.Track (MgrID -> ID)

dbo.TrackInstructors (InsID -> ID)

Table dbo.Intake (12 rows)

	Column	Data Type	Identity	Nullable	Default
PK	ID	int	X		
UK	Name	varchar(30)			
	StartDate	date			
	EndDate	date			

Indexes:

PK_Intake (Primary Key) (Clustered)

ID

UQ_IntakeName (Unique)

Name

Referenced by:

dbo.Student (IntakeID -> ID)

dbo.Track (IntakeID -> ID)

Table dbo.Question (21 rows)

	Column	Data Type	Identity	Nullable	Default
PK	ID	int	X		
	Body	varchar(150)			
	Mark	tinyint			
	CorrectAnswer	tinyint		X	
FK	TypeID	int			
FK	CrsID	int			
FK	InsID	int			

Indexes:

PK_Question (Primary Key) (Clustered)

ID

References:

dbo.Course (CrsID -> ID)

dbo.Instructor (InsID -> ID)

dbo.QuestionTypes (TypeID -> ID)

Referenced by:

dbo.ExamQuestions (QuestionID -> ID)

dbo.QuestionOptions (QuestionID -> ID)

dbo.StudentsExamsAnswers (QuestionID -> ID)

Triggers:

trg_AfterInsertCorrectAnswer (After Insert)

trg_AfterUpdateCorrectAnswer (After Update)

trg_InsteadOfInsert (Instead Of Insert)

trg_QuestionAfterUpdate (After Update)

Table dbo.QuestionOptions (62 rows)

	Column	Data Type	Identity	Nullable	Default
PK, FK	QuestionID	int			
PK	OptionNum	tinyint			
	OptionBody	varchar(50)			

Indexes:

PK_QuestionOptions (Primary Key) (Clustered)

QuestionID
OptionNum

References:

dbo.Question (QuestionID -> ID)

Triggers:

trg_questionOptionsPreventDelete (After Delete)

trg_questionOptionsPreventInsert (After Insert)

trg_questionOptionsPreventUpdate (After Update)

Table dbo.QuestionTypes (2 rows)

	Column	Data Type	Identity	Nullable	Default
PK	ID	int	X		
UK	Type	nvarchar(30)			

Indexes:

PK_QuestionTypes (Primary Key) (Clustered)

ID

UQ_Type (Unique)

Type

Referenced by:

dbo.Question (TypeID -> ID) Triggers:

trg_QuestionTypes (Instead Of Update, Delete)

Table dbo.Student (18 rows)

	Column	Data Type	Identity	Nullable	Default
PK	ID	int	X		
	Fname	nvarchar(30)			
	Lname	nvarchar(30)		X	
	BD	date			
	Age	int		X	
	Gender	varchar(1)			
UK	Email	varchar(50)			
	Password	varchar(10)			
	St	nvarchar(50)			
	City	nvarchar(50)			
UK	Phone	varchar(13)			
FK	IntakeID	int			
FK	TrackID	int			

Indexes:

PK_Student (Primary Key) (Clustered)

ID

UQ_StudentEmail (Unique)

Email

UQ_StudentPhone (Unique)

Phone

References:

dbo.Intake (IntakeID -> ID)

dbo.Track (TrackID -> ID)

Referenced by:

dbo.StudentCourses (StdID -> ID)

dbo.StudentExams (StdID -> ID)

dbo.StudentsExamsAnswers (StdID -> ID)

Triggers:

trg_StudentAfterInsert (After Insert)

trg_StudentAfterUpdate (After Update)

Table dbo.StudentCourses (72 rows)

	Column	Data Type	Identity	Nullable	Default
PK, FK	StdID	int			
PK, FK	CrsID	int			

Indexes:

PK_StudentCourses (Primary Key) (Clustered)

StdID
CrsID

References:

dbo.Course (CrsID -> ID)

dbo.Student (StdID -> ID)

Triggers:

trg_StudentCoursesPreventDelete (Instead Of Delete)

trg_StudentCoursesPreventInsert (Instead Of Insert)

trg_StudentCoursesPreventUpdate (Instead Of Update)

Table dbo.StudentExams (21 rows)

	Column	Data Type	Identity	Nullable	Default
PK, FK	StdID	int			
PK, FK	ExamID	int			
	Grade	tinyint			0

Indexes:

PK_StudentExams (Primary Key) (Clustered)

StdID
ExamID

References:

dbo.Exam (ExamID -> ID)

dbo.Student (StdID -> ID)

Triggers:

trg_StudentExamInsertPrevent (After Insert)

trg_StudentExamPreventDelete (Instead Of Delete)

trg_StudentExamPreventUpdateGrade (After Update)

trg_StudentExamPreventUpdateStdExam (After Update)

Table dbo.StudentsExamsAnswers (77 rows)

	Column	Data Type	Identity	Nullable	Default
PK, FK	StdID	int			
PK, FK	QuestionID	int			
PK, FK	ExamID	int			
	StdAnswer	tinyint		X	
	AnswerGrade	tinyint		X	

Indexes:**PK_StudentsExamsAnswers** (Primary Key) (Clustered)

StdID
 QuestionID
 ExamID

References:**dbo.Exam** (ExamID -> ID)**dbo.Question** (QuestionID -> ID)**dbo.Student** (StdID -> ID)**Triggers:****trg_StudentsExamsAnswersAfterInsert** (After Insert)**trg_StudentsExamsAnswersPreventDelete** (Instead Of Delete)**trg_StudentsExamsAnswersPreventUpdate** (After Update)**Table dbo.Topic** (49 rows)

	Column	Data Type	Identity	Nullable	Default
PK	ID	int	X		
FK	CrsID	int			
	Name	varchar(50)			

Indexes:**PK_Topic** (Primary Key) (Clustered)

ID

References:**dbo.Course** (CrsID -> ID)

Table dbo.Track (13 rows)

	Column	Data Type	Identity	Nullable	Default
PK	ID	int	X		
	Name	nvarchar(30)			
FK	IntakeID	int		X	
FK	MngrID	int			
	HireDate	date			getdate()

Indexes:

PK_Track (Primary Key) (Clustered)

ID

References:

dbo.Instructor (MngrID -> ID)

dbo.Intake (IntakeID -> ID)

Referenced by:

dbo.BranchTracks (TrackID -> ID)

dbo.Student (TrackID -> ID)

dbo.TrackCourses (TrackID -> ID)

dbo.TrackInstructors (TrackID -> ID)

Triggers:

trg_TrackPreventUpdateIntack (After Update)

Table dbo.TrackCourses (13 rows)

	Column	Data Type	Identity	Nullable	Default
PK, FK	TrackID	int			
PK, FK	CrsID	int			

Indexes:

PK_TrackCourses (Primary Key) (Clustered)

TrackID CrsID

References: **dbo.Course** (CrsID

-> ID)

dbo.Track (TrackID -> ID)

Triggers:

trg_TrackCoursesPreventDelete (After Delete)

trg_TrackCoursesPreventInsert (After Insert)

trg_TrackCoursesPreventUpdate (After Update)

Table dbo.TrackInstructors (12 rows)

	Column	Data Type	Identity	Nullable	Default
PK, FK	TrackID	int			
PK, FK	InsID	int			

Indexes:

PK_TrackInstructors (Primary Key) (Clustered)

TrackID

InsID **References:**

dbo.Instructor (InsID -> ID)

dbo.Track (TrackID -> ID)

Procedures:

Procedure dbo.GetExamQuestionsWithOptions

Parameter	Data Type	Default	Is Output
@ExamID	int		

Result:

Column	Data Type	Nullable
QuestionID	int	
Question	varchar(150)	
Options	varchar(8000)	X

Procedure dbo.sp_DeleteBranch

Parameter	Data Type	Default	Is Output
@BranchID	int		

Procedure dbo.sp_DeleteBranchTracks

Parameter	Data Type	Default	Is Output
@BranchID	int		
@TrackID	int		

Procedure dbo.sp_DeleteCourse

Parameter	Data Type	Default	Is Output
@CourseID	int		

Procedure dbo.sp_DeleteCoursesInstructor

Parameter	Data Type	Default	Is Output
@CrsID	int		
@InsID	int		

Procedure dbo.sp_DeleteExam

Parameter	Data Type	Default	Is Output
@ExamID	int		

Procedure dbo.sp_DeleteExamQuestion

Parameter	Data Type	Default	Is Output
@ExamID	int		
@QuestionID	int		

Procedure dbo.sp_DeleteInstructor

Parameter	Data Type	Default	Is Output
@ID	int		

Procedure dbo.sp_DeleteIntake

Parameter	Data Type	Default	Is Output
@ID	int		

Procedure dbo.sp_DeleteQuestion

Parameter	Data Type	Default	Is Output
@QuestionID	int		

Procedure dbo.sp_DeleteQuestionOption

Parameter	Data Type	Default	Is Output
@QuestionID	int		
@OptionNum	tinyint		

Procedure dbo.sp_DeleteStudent

Parameter	Data Type	Default	Is Output
@ID	int		

Procedure dbo.sp_DeleteStudentCourse

Parameter	Data Type	Default	Is Output
@CrsID <u>DeleteTopic</u>	int		
@StdID	int		

Procedure dbo.sp_DeleteTopic

Parameter	Data Type	Default	Is Output
@TopicID	int		

Procedure dbo.sp_DeleteTrack

Parameter	Data Type	Default	Is Output
@TrackID	int		

Procedure dbo.sp_DeleteTrackCourses

Parameter	Data Type	Default	Is Output
@TrackID	int		
@CrsID	int		

Procedure dbo.sp_DeleteTrackInstructors

Parameter	Data Type	Default	Is Output
@TrackID	int		
@InsID	int		

Procedure dbo.sp_ExamAnswer

Parameter	Data Type	Default	Is Output
@ExamID	int		
@QuestionID	int		
@StudentID	int		
@StudentAnswer	tinyint		

Procedure dbo.sp_GenerateExam

Parameter	Data Type	Default	Is Output
@ExamID	int		
@ChooseOneCount	tinyint		
@TrueFalseCount	tinyint		

Procedure dbo.sp_GetCourseTopics

Parameter	Data Type	Default	Is Output
@CrsID	int		

Result:

Column	Data Type	Nullable
CourseId	int	
CourseName	varchar(50)	
TopicID	int	
TopicName	varchar(50)	

Procedure dbo.sp_InsertBranch

Parameter	Data Type	Default	Is Output
@Phone	varchar(13)		
@City	nvarchar(20)		

Procedure dbo.sp_InsertBranchTracks

Parameter	Data Type	Default	Is Output
@BranchID	int		
@TrackID	int		

Procedure dbo.sp_InsertCourse

Parameter	Data Type	Default	Is Output
@Name	varchar(50)		
@Duration	smallint		

Procedure dbo.sp_InsertCoursesInstructor

Parameter	Data Type	Default	Is Output
@CrsID	int		
@InsID	int		

Procedure dbo.sp_InsertExam

Parameter	Data Type	Default	Is Output
@Name	nvarchar(30)	NULL	
@Start	datetime	NULL	
@Duration	tinyint	NULL	
@Count	tinyint	NULL	
@TotalMark	tinyint	NULL	
@CrsID	int	NULL	
@InsID	int	NULL	

Procedure dbo.sp_InsertExamQuestion

Parameter	Data Type	Default	Is Output
@ExamID	int		
@QuestionID	int		

Procedure dbo.sp_InsertInstructor

Parameter	Data Type	Default	Is Output
@Fname	nvarchar(30)		
@Lname	nvarchar(30)	null	
@BD	date		
@Gender	varchar(1)		
@Email	varchar(50)		
@Password	varchar(10)		
@st	nvarchar(50)		
@city	varchar(50)		
@Phone	varchar(13)		
@Hiredate	date		
@Salary	decimal(8,2)		
@SuperID	int	null	

Procedure dbo.sp_InsertIntake

Parameter	Data Type	Default	Is Output
@Name	varchar(30)		
@StartDate	date		
@EndDate	date		

Procedure dbo.sp_InsertQuestion

Parameter	Data Type	Default	Is Output
@Body	varchar(150)		
@Mark	tinyint		
@TypeID	int		
@CrsID	int		
@InsID	int		

Procedure dbo.sp_InsertQuestionOption

Parameter	Data Type	Default	Is Output
@QuestionID	int		
@OptionNum	tinyint		
@OptionBody	varchar(50)		
@check	varchar(20)	null	

Procedure dbo.sp_InsertQuestionType

Parameter	Data Type	Default	Is Output
@Type	nvarchar(30)		

Procedure dbo.sp_InsertStudent

Parameter	Data Type	Default	Is Output
@Fname	nvarchar(30)		
@Lname	nvarchar(30)		
@BD	date		
@Gender	varchar(1)		
@Email	varchar(50)		
@Password	varchar(10)		
@st	nvarchar(50)		
@city	varchar(50)		
@Phone	varchar(13)		
@IntakeID	int		
@TrackID	int		

Procedure dbo.sp_InsertStudentCourse

Parameter	Data Type	Default	Is Output
@CrsID	int		
@StdID	int		

Procedure dbo.sp_InsertTopic

Parameter	Data Type	Default	Is Output
@CrsID	int		
@Name	varchar(50)		

Procedure dbo.sp_InsertTrack

Parameter	Data Type	Default	Is Output
@Name	nvarchar(30)		
@IntakeID	int		
@MngrID	int		
@HireDate	date		

Procedure dbo.sp_InsertTrackCourses

Parameter	Data Type	Default	Is Output
@TrackID	int		
@CrSID	int		

Procedure dbo.sp_InsertTrackInstructors

Parameter	Data Type	Default	Is Output
@TrackID	int		
@InsID	int		

Procedure dbo.sp_SelectBranch

Parameter	Data Type	Default	Is Output
@BranchID	int	NULL	

Result:

Column	Data Type	Nullable
ID	int	
Phone	varchar(13)	X
City	nvarchar(20)	

Procedure dbo.sp_SelectBranchTracks

Parameter	Data Type	Default	Is Output
@BranchID	int	NULL	
@TrackID	int	NULL	

Result:

Column	Data Type	Nullable
BranchID	int	
BranchCity	nvarchar(20)	
TrackID	int	
TrackName	nvarchar(30)	

Procedure dbo.sp_SelectCourse

Parameter	Data Type	Default	Is Output
@CourseID	int	null	

Result:

Column	Data Type	Nullable
ID	int	
Name	varchar(50)	
Duration	smallint	

Procedure dbo.sp_SelectCoursesInstructor

Parameter	Data Type	Default	Is Output
@CrsID	int	null	

Result:

Column	Data Type	Nullable
CrsID	int	
CourseName	varchar(50)	
InsID	int	
InstructorName	nvarchar(61)	

Procedure dbo.sp_selectDataACordingExam Student id

Parameter	Data Type	Default	Is Output
@ExamId	int		
@StdId	int		

Result:

Column	Data Type	Nullable
ExamID	int	
StdID	int	
Question Body	varchar(150)	
student answer	varchar(50)	

Procedure dbo.sp_selectDataACordingInsID

Parameter	Data Type	Default	Is Output
@insId	int		

Result:

Column	Data Type	Nullable
InstructorId	int	
InstructorName	nvarchar(61)	X
CrsID	int	
CourseName	varchar(50)	
Number of students in this course	int	X

Procedure dbo.sp_SelectExamQuestions

Parameter	Data Type	Default	Is Output
@ExamID	int	null	

Result:

Column	Data Type	Nullable
ExamID	int	
ExamName	varchar(50)	
QuestionID	int	
QuestionBody	varchar(150)	

Procedure dbo.sp_SelectInstructor

Parameter	Data Type	Default	Is Output
@ID	int	NULL	

Result:

Column	Data Type	Nullable
ID	int	
Fname	nvarchar(30)	
Lname	nvarchar(30)	X
BD	date	
Age	int	X
Gender	varchar(1)	
Email	varchar(50)	
Password	varchar(10)	
St	nvarchar(50)	
City	nvarchar(50)	
Phone	varchar(13)	
HireDate	date	X
Salary	decimal(8,2)	
SuperID	int	X

Procedure dbo.sp_SelectIntake

Parameter	Data Type	Default	Is Output
@IntakeID	int	NULL	

Result:

Column	Data Type	Nullable
ID	int	
Name	varchar(30)	
StartDate	date	
EndDate	date	

Procedure dbo.sp_SelectQuestion

Parameter	Data Type	Default	Is Output
@QuestionID	int	null	

Result:

Column	Data Type	Nullable
ID	int	
QuestionType	nvarchar(30)	
Body	varchar(150)	
Mark	tinyint	
CorrectAnswer	tinyint	X
Course	varchar(50)	
Instructor	nvarchar(61)	X

Procedure dbo.sp_SelectQuestionOptions

Parameter	Data Type	Default	Is Output
@QuestionID	int	null	

Result:

Column	Data Type	Nullable
QuestionID	int	
Body	varchar(150)	
Options	varchar(8000)	X

Procedure dbo.sp_SelectQuestionType

Parameter	Data Type	Default	Is Output
@QuestionTypeID	int	NULL	

Result:

Column	Data Type	Nullable
ID	int	
Type	nvarchar(30)	

Procedure dbo.sp_SelectStudent

Parameter	Data Type	Default	Is Output
@ID	int	NULL	

Result:

Column	Data Type	Nullable
ID	int	
Fname	nvarchar(30)	
Lname	nvarchar(30)	X
BD	date	
Age	int	X
Gender	varchar(1)	
Email	varchar(50)	
Password	varchar(10)	
St	nvarchar(50)	
City	nvarchar(50)	
Phone	varchar(13)	
IntakeID	int	
TrackID	int	

Procedure dbo.sp_SelectStudentCourse

Parameter	Data Type	Default	Is Output
@CrsID	int	null	

Result:

Column	Data Type	Nullable
CrsID	int	
CourseName	varchar(50)	
StdID	int	
StudentName	nvarchar(61)	

Procedure dbo.sp_SelectTopic

Parameter	Data Type	Default	Is Output
@Topicid	int	null	

Result:

Column	Data Type	Nullable
TopicId	int	
TopiCName	varchar(50)	
CourseName	varchar(50)	

Procedure dbo.sp_SelectTrack

Parameter	Data Type	Default	Is Output
@TrackID	int	NULL	

Result:

Column	Data Type	Nullable
ID	int	
Name	nvarchar(30)	
IntakeID	int	X
MngrID	int	
HireDate	date	

Procedure dbo.sp_SelectTrackCourses

Parameter	Data Type	Default	Is Output
@TrackID	int	NULL	
@CrsID	int	NULL	

Result:

Column	Data Type	Nullable
TrackID	int	
TrackName	nvarchar(30)	
CrsID	int	
CourseName	varchar(50)	

Procedure dbo.sp_SelectTrackInstructors

Parameter	Data Type	Default	Is Output
@TrackID	int	NULL	
@InsID	int	NULL	

Result:

Column	Data Type	Nullable
TrackID	int	
TrackName	nvarchar(30)	
InsID	int	
InstructorName	nvarchar(61)	X

Procedure dbo.sp_StdInfoByDeptNo

Parameter	Data Type	Default	Is Output
@TrackID	int		

Result:

Column	Data Type	Nullable
Student_ID	int	
Full_name	nvarchar(61)	X
Age	int	X
Track_Name	nvarchar(30)	
Intake_Name	varchar(30)	

Procedure dbo.sp_StudentGrade

Parameter	Data Type	Default	Is Output
@Std_Id	int		

Result:

Column	Data Type	Nullable
Student_ID	int	
Full_name	nvarchar(61)	X
Course_Name	varchar(50)	
Total_Grade	int	X

Procedure dbo.sp_UpdateBranch

Parameter	Data Type	Default	Is Output
@BranchID	int		
@Phone	varchar(13)	NULL	
@City	nvarchar(20)	NULL	

Procedure dbo.sp_UpdateBranchTracks

Parameter	Data Type	Default	Is Output
@OldBranchID	int		
@OldTrackID	int		
@NewBranchID	int	NULL	
@NewTrackID	int	NULL	

Procedure dbo.sp_UpdateCourse

Parameter	Data Type	Default	Is Output
@CourseID	int		
@Name	varchar(50)		
@Duration	smallint		

Procedure dbo.sp_UpdateCoursesInstructor

Parameter	Data Type	Default	Is Output
@OldCrSID	int		
@OldInsID	int		
@NewCrSID	int	null	
@NewInsID	int	null	

Procedure dbo.sp_updateExam

Parameter	Data Type	Default	Is Output
@ID	int		
@Name	nvarchar(30)	NULL	
@Start	datetime	NULL	
@Duration	tinyint	NULL	
@Count	tinyint	NULL	
@TotalMark	tinyint	NULL	
@CrSID	int	NULL	
@InsID	int	NULL	

Procedure dbo.sp_UpdateExamQuestion

Parameter	Data Type	Default	Is Output
@OldExamID	int		
@OldQuestionID	int		
@NewQuestionID	int		

Procedure dbo.sp_UpdateInstructor

Parameter	Data Type	Default	Is Output
@ID	int		
@Fname	nvarchar(30)	NULL	
@Lname	nvarchar(30)	null	
@BD	date	NULL	
@Gender	varchar(1)	NULL	
@Email	varchar(50)	NULL	
@Password	varchar(10)	NULL	
@st	nvarchar(50)	NULL	
@city	varchar(50)	NULL	
@Phone	varchar(13)	NULL	

@Hiredate	date	NULL	
@Salary	decimal(8,2)	NULL	
@SuperID	int	NULL	

Procedure dbo.sp_UpdateIntake

Parameter	Data Type	Default	Is Output
@ID	int		
@Name	varchar(30)	NULL	
@StartDate	date	NULL	
@EndDate	date	NULL	

Procedure dbo.sp_UpdateQuestion

Parameter	Data Type	Default	Is Output
@QuestionID	int		
@NewBody	varchar(150)		
@newMark	tinyint		

Procedure dbo.sp_UpdateQuestionOption

Parameter	Data Type	Default	Is Output
@QuestionID	int		
@OptionNum	tinyint		
@NewOptionBody	varchar(50)		
@check	varchar(20)	null	

Procedure dbo.sp_UpdateStudent

Parameter	Data Type	Default	Is Output
@ID	int		
@Fname	nvarchar(30)	NULL	
@Lname	nvarchar(30)	NULL	
@BD	date	NULL	
@Gender	varchar(1)	NULL	
@Email	varchar(50)	NULL	
@Password	varchar(10)	NULL	
@st	nvarchar(50)	NULL	
@city	varchar(50)	NULL	
@Phone	varchar(13)	NULL	
@IntakeID	int	NULL	
@TrackID	int	NULL	

Procedure dbo.sp_UpdateStudentCourse

Parameter	Data Type	Default	Is Output
@OldCrsID	int		
@OldStdID	int		
@NewCrsID	int	null	
@NewStdID	int	null	

Procedure dbo.sp_UpdateTopic

Parameter	Data Type	Default	Is Output
@TopicID	int		
@NewCrsID	int		
@NewName	varchar(50)	null	

Procedure dbo.sp_UpdateTrack

Parameter	Data Type	Default	Is Output
@ID	int		
@Name	nvarchar(30)	NULL	
@IntakeID	int	NULL	
@MngrID	int	NULL	
@HireDate	date	NULL	

Procedure dbo.sp_UpdateTrackCourses

Parameter	Data Type	Default	Is Output
@OldTrackID	int		
@OldCrsID	int		
@NewCrsID	int	NULL	
@NewTrackID	int	NULL	

Procedure dbo.sp_UpdateTrackInstructors

Parameter	Data Type	Default	Is Output
@TrackID	int		
@InsID	int		
@NewTrackID	int	Null	
@NewInsID	int	Null	