Database Entity-Relationship Diagram

AspNetRole
PK	Id	Int
	Name	NVarchar

AspNetUserRole
PK/FK	UserId	Int
PK/FK	RoleId	Int

Event
PK	EventId	Int
	Description	NVarchar
	DateTime	DateTime
FK	UserId	Int

Error
PK	ErrorId	Int
	Message	NVarchar
	StackTrace	NVarchar
	DateTime	DateTime
FK	UserId	Int

AspNetUser
PK	Id	Int
	Email	NVarchar
	PasswordHash	NVarchar
	FirstName	NVarchar
	LastName	NVarchar

Term
PK	TermId	Int
	StartDate	Date
	EndDate	Date
	TimeOfYear	TinyInt

Class
PK	ClassId	Int
FK	CourseId	Int
FK	TermId	Int
FK	InstructorUserId	Int
	Capacity	TyinInt

Assessment
PK	AssessmentId	Int
FK	ClassId	Int
	Title	NVarchar
	Description	NVarchar
	PointsPossible	Int

ScheduleAvailability
PK	ScheduleAvailabilityId	Int
	DayOfWeek	TinyInt
	StartTime	Time
	EndTime	Time
FK	TermId	Int

ClassSchedule
PK	ClassScheduleId	int
FK	ClassId	Int
FK	ScheduleAvailabilityId	Int
FK	SectionId	Int (NULL)

Course
PK	CourseId	Int
	IsCoreRequirement	Bit
	Name	NVarchar

StudentAssessment
PK/FK	AssessmentId	Int
PK/FK	StudentId	Int
	PointsAwarded	Int
	Comments	NVarchar
	SubmissionDateTime	DateTime
FK	FileId	Int (NULL)

Section
PK	SectionId	Int
	Name	NVarChar

StudentClassSchedule
PK/FK	StudentId	int
PK/FK	ClassScheduledId	int

ApplicantRating
PK	ApplicantRatingId	Int
FK	StudentId	Int
FK	UserId	Int
FK	RatingCriteriumId	Int
FK	TermId	Int
	ScoreAssigned	Int
	DateTime	DateTime
	Comment	NVarchar

Student
PK	StudentId	Int
	FirstName	NVarchar
	LastName	NVarchar
	DateOfBirth	Date
	Address(nulll)	NVarchar
	Village	NVarchar
	GpsLatitude	Decimal
	GpsLongitude	Decimal
	EnrolledDate	Date
	PublicSchoolLevel	TinyInt
	EnglishLevel	TinyInt
	ItLevel	TinyInt
	GuardianName	NVarchar
	GuardianType	NVarchar
	Phone(null)	Varchar
	Photo	Nvarchar
FK	StudentStatusId	Int

Attendance
PK/FK	StudentId	Int
PK/FK	ClassId	Int
PK	Date	Date
	TimeIn	Time
FK	AttendanceStatusId	Int

AttendanceStatus
PK	AttendanceStatusId	Int
	Description	NVarchar

RatingCriterium
PK	RatingCriteriumId	Int
	Title	NVarchar
	Description	NVarchar
	MaxScore	Int

Note
PK	NoteId	Int
FK	StudentId	Int
FK	UserId	Int
FK	NoteTypeId	Int
	Text	NVarchar

File
PK	FileId	Int
FK	StudentId	Int
	Path	NVarchar
FK	FileTypeId	Int

StudentStatus
PK	StudentStatusId	Int
	Description	NVarchar

NoteType
PK	NoteTypeId	Int
	Description	NVarchar

FileType
PK	FileTypeId	Int
	Description	NVarchar

Version 1.1
- Removed ClassInstructor table. Linked instructor (User) directly to Class table (Class.InstructorUserId).
- Removed TimeOut from Attendance table. Not necessary.

Version 1.2
- Added Student.EnglishLevel to track student's academia in English (i.e., English 1, English 2)
- Added Student.ItLevel to track student's academia in IT (i.e., IT 1, IT 2)
- Renamed Schedule table to ScheduleAvailability
- Made ScheduleAvailabilityId the PK of ScheduleAvailability

Version 1.3
- Added RatingCriterium.Title to serve as a "short description", while RatingCriterium.Description can be used for a detailed description.
- Added Course.IsCoreRequirement to flag a course as a core requirement (currently English 1, English 2, and It 1)

Version 1.4
- Removed Term.Description (redundant information)
- Linked Term to PublicSchoolClassSchedule (PublicSchoolClassSchedule.TermId).Public school schedules should be organized by term.
- Added StudentAssessment.SubmissionDateTime
- Linked an optional file to an student assessment submission (StudentAssessment.FileId).

Version 1.5
- Removed public school tables
- Linked student to Class Schedule instead of class through StudentClassSchedule table
- Added Section table

Version 1.6
- Linked Term to ScheduleAvailability