

SchoolYear		
id	String	PK
yearStart	Int	NN
yearEnd	Int	NN
createdAt	DateTime	NN
currentSchoolYear	Boolean	NN
campus	String	NN
materialEquipmentRequestControlNumberCounter	Int	NN
reagentRequestControlNumberCounter	Int	NN
laboratoryRequestControlNumberCounter	Int	NN
materialsAdded	InventoryOfMaterials	NN
equipmentAdded	InventoryOfEquipment	NN
reagentsAdded	InventoryOfReagents	NN
laboratoryRequests	LaboratoryRequests	NN
equipmentRequests	EquipmentRequests	NN
materialRequests	MaterialRequests	NN
reagentRequests	ReagentRequests	NN
inventoryTransactions	InventoryTransactions	NN

Students		
id	String	PK
createdAt	DateTime	NN
updatedAt	DateTime	NN
gradeSection	GradeSection	NN
gradeSectionId	String	NN
grade	Int	NN
section	String	NN
userProfile	Users	NN

Units		
id	String	PK
createdAt	DateTime	NN
updatedAt	DateTime	NN
name	String	NN
frequencyRank	Int	NN
teachers	Teachers	NN
laboratoryRequests	LaboratoryRequests	NN
show	Boolean	NN

InventoryOfMaterials		
id	String	PK
createdAt	DateTime	NN
updatedAt	DateTime	NN
itemName	String	NN
code	String	NN
description	String	NN
classification	String	NN
unit	String	NN
supplier	String	NN
dateReceived	DateTime	NN
available	Boolean	NN
quantity	Int	NN
currentlyInUse	Int	NN
additionalPurchase	Int	NN
make	String	NN
unitCost	Float	NN
damage	String	NN
balancePerCard	Int	NN
balancePerCount	Int	NN
inventoryTransactions	InventoryTransactions	NN
location	LaboratoryLocations	NN
laboratories	Laboratories	NN
laboratoriesId	String	NN
requests	MaterialRequests	NN
schoolYear	SchoolYear	NN
schoolYearId	String	NN
show	Boolean	NN

EquipmentRequests		
id	String	PK
controlNumber	String	NN
createdAt	DateTime	NN
updatedAt	DateTime	NN
quantity	Int	NN
equipment	InventoryOfEquipment	NN
name	String	NN
description	String	NN
modelNoOrManufacturer	String	NN
laboratoryRequest	LaboratoryRequests	NN
laboratoryRequestId	String	NN
schoolYear	SchoolYear	NN
schoolYearId	String	NN

InventoryOfMaterialsToMaterialRequests		
requestId	String	NN
materialsId	String	NN

Users		
id	String	PK
email	String	NN
firstName	String	NN
lastName	String	NN
role	Role	E NN
imageLink	String	NN
createdAt	DateTime	NN
updatedAt	DateTime	NN
studentProfile	Students	NN
teacherProfile	Teachers	NN
adminProfile	Admins	NN
studentsId	String	NN
teachersId	String	NN
adminsId	String	NN
requests	LaboratoryRequests	NN
changeRoleRequest	ChangeRoleRequests	NN
notifications	Notifications	NN

ChangeRoleRequests		
id	String	PK
createdAt	DateTime	NN
updatedAt	DateTime	NN
user	Users	NN
userId	String	NN
wantedRole	Role	E NN

Laboratories		
id	String	PK
createdAt	DateTime	NN
updatedAt	DateTime	NN
name	String	NN
description	String	NN
colorCode	String	NN
location	LaboratoryLocations	NN
locationId	String	NN
supplies	InventoryOfMaterials	NN
equipment	InventoryOfEquipment	NN
reagents	InventoryOfReagents	NN
laboratoryReservations	LaboratoryReservations	NN
show	Boolean	NN

InventoryOfEquipment		
id	String	PK
createdAt	DateTime	NN
updatedAt	DateTime	NN
code	String	NN
equipmentName	String	NN
description	String	NN
available	Boolean	NN
serialNumber	String	NN
modelNoOrManufacturer	String	NN
quantity	Int	NN
currentlyInUse	Int	NN
unit	String	NN
unitCost	Float	NN
dateReceived	DateTime	NN
propertyNumber	String	NN
acquisitionType	String	NN
supplier	String	NN
status	String	NN
inventoryTransactions	InventoryTransactions	NN
location	LaboratoryLocations	NN
laboratories	Laboratories	NN
laboratoriesId	String	NN
requests	EquipmentRequests	NN
schoolYear	SchoolYear	NN
schoolYearId	String	NN
show	Boolean	NN

MaterialRequests		
id	String	PK
controlNumber	String	NN
createdAt	DateTime	NN
updatedAt	DateTime	NN
quantity	Int	NN
materials	InventoryOfMaterials	NN
name	String	NN
description	String	NN
laboratoryRequest	LaboratoryRequests	NN
laboratoryRequestId	String	NN
schoolYear	SchoolYear	NN
schoolYearId	String	NN

EquipmentRequestsToInventoryOfEquipment		
requestId	String	NN
equipmentId	String	NN

Admins		
id	String	PK
createdAt	DateTime	NN
updatedAt	DateTime	NN
signature	String	NN
userProfile	Users	NN
equipmentRequestsApproved	LaboratoryRequests	NN
materialRequestsApproved	LaboratoryRequests	NN
reagentRequestsApproved	LaboratoryRequests	NN
laboratoryReservationsApproved	LaboratoryRequests	NN
show	Boolean	NN

Notifications		
id	String	PK
createdAt	DateTime	NN
updatedAt	DateTime	NN
isRead	Boolean	NN
user	Users	NN
userId	String	NN
message	String	NN
redirect	String	NN

LaboratoryLocations		
id	String	PK
createdAt	DateTime	NN
updatedAt	DateTime	NN
name	String	NN
description	String	NN
laboratories	Laboratories	NN
inventoryOfMaterials	InventoryOfMaterials	NN
inventoryOfMaterialsSupplyId	String	NN
inventoryOfEquipment	InventoryOfEquipment	NN
equipmentId	String	NN
inventoryOfReagents	InventoryOfReagents	NN
reagentId	String	NN
show	Boolean	NN

InventoryOfReagents		
id	String	PK
createdAt	DateTime	NN
updatedAt	DateTime	NN
casNumber	String	NN
code	String	NN
chemicalName	String	NN
description	String	NN
classification	String	NN
manufacturerName	String	NN
supplier	String	NN
available	Boolean	NN
quantity	Float	NN
reservedQuantity	Float	NN
unit	String	NN
DGClass	String	NN
subRisk	String	NN
PG	String	NN
riskPhrase	String	NN
safetyPhrase	String	NN
hazSub	Boolean	NN
poisonSchedule	String	NN
currentSDS	DateTime	NN
dateReceived	DateTime	NN
expiryDate	DateTime	NN
dateOpened	DateTime	NN
status	String	NN
location	LaboratoryLocations	NN
laboratories	Laboratories	NN
laboratoriesId	String	NN
inventoryTransactions	InventoryTransactions	NN
requests	ReagentRequests	NN
schoolYear	SchoolYear	NN
schoolYearId	String	NN
show	Boolean	NN

ReagentRequests		
id	String	PK
controlNumber	String	NN
createdAt	DateTime	NN
updatedAt	DateTime	NN
quantity	Int	NN
unit	String	NN
reagents	InventoryOfReagents	NN
name	String	NN
description	String	NN
laboratoryRequest	LaboratoryRequests	NN
laboratoryRequestId	String	NN
schoolYear	SchoolYear	NN
schoolYearId	String	NN

InventoryOfReagentsToReagentRequests		
requestId	String	NN
reagentsId	String	NN

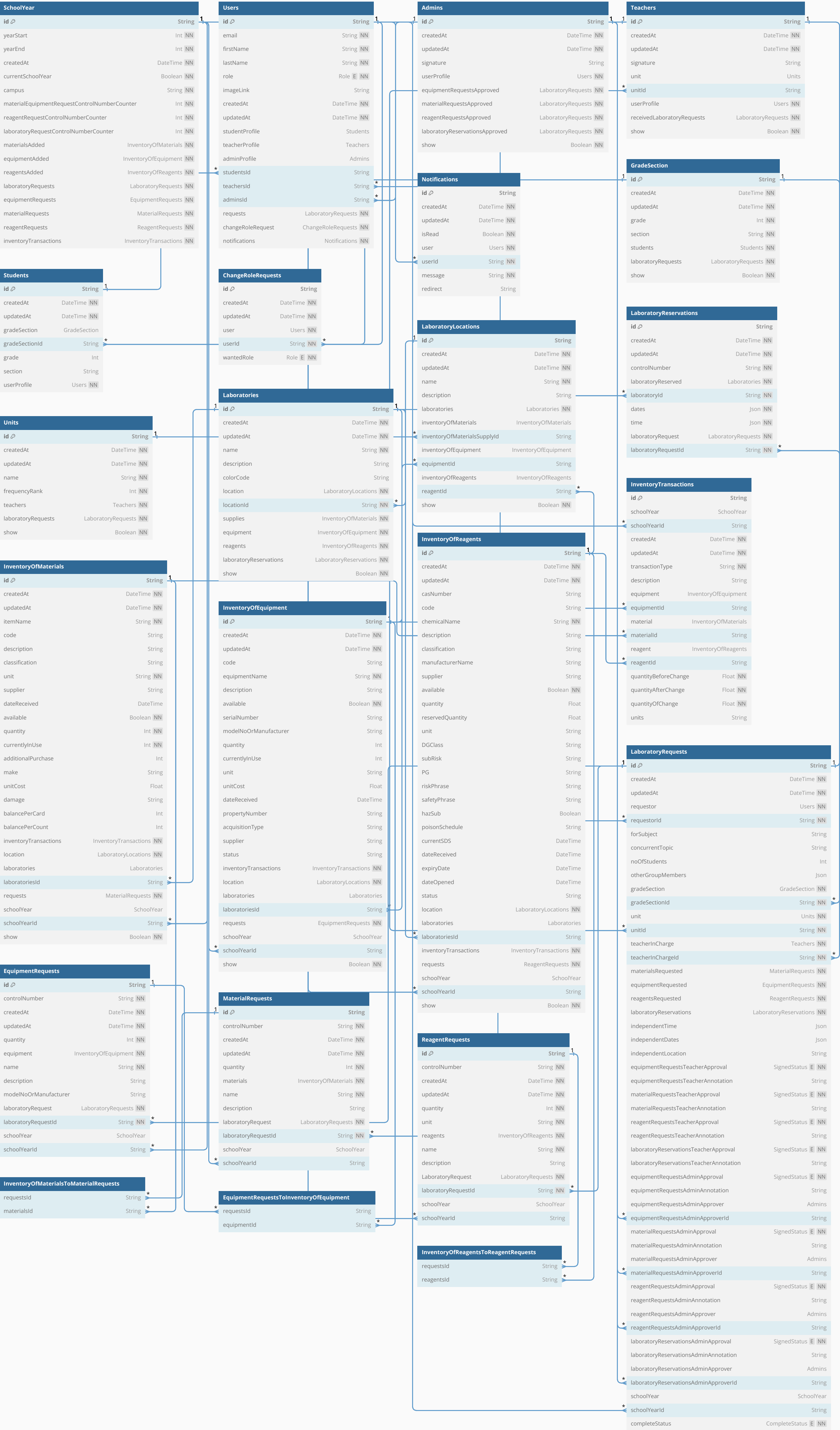
Teachers		
id	String	PK
createdAt	DateTime	NN
updatedAt	DateTime	NN
signature	String	NN
unit	Units	NN
unitId	String	NN
userProfile	Users	NN
receivedLaboratoryRequests	LaboratoryRequests	NN
show	Boolean	NN

GradeSection		
id	String	PK
createdAt	DateTime	NN
updatedAt	DateTime	NN
grade	Int	NN
section	String	NN
students	Students	NN
laboratoryRequests	LaboratoryRequests	NN
show	Boolean	NN

LaboratoryReservations		
id	String	PK
createdAt	DateTime	NN
updatedAt	DateTime	NN
controlNumber	String	NN
laboratoryReserved	Laboratories	NN
laboratoryId	String	NN
dates	Json	NN
time	Json	NN
laboratoryRequest	LaboratoryRequests	NN
laboratoryRequestId	String	NN

InventoryTransactions		
id	String	PK
schoolYear	SchoolYear	NN
schoolYearId	String	NN
createdAt	DateTime	NN
updatedAt	DateTime	NN
transactionType	String	NN
description	String	NN
equipment	InventoryOfEquipment	NN
equipmentId	String	NN
material	InventoryOfMaterials	NN
materialId	String	NN
reagent	InventoryOfReagents	NN
reagentId	String	NN
quantityBeforeChange	Float	NN
quantityAfterChange	Float	NN
quantityOfChange	Float	NN
units	String	NN

LaboratoryRequests		
id	String	PK
createdAt	DateTime	NN
updatedAt	DateTime	NN
requestor	Users	NN
requestorId	String	NN
forSubject	String	NN
concurrentTopic	String	NN
noOfStudents	Int	NN
otherGroupMembers	Json	NN
gradeSection	GradeSection	NN
gradeSectionId	String	NN
unit	Units	NN
unitId	String	NN
teacherInCharge	Teachers	NN
teacherInChargeId	String	NN
materialsRequested	MaterialRequests	NN
equipmentRequested	EquipmentRequests	NN
reagentsRequested	ReagentRequests	NN
laboratoryReservations	LaboratoryReservations	NN
independentTime	Json	NN
independentDates	Json	NN
independentLocation	String	NN
equipmentRequestsTeacherApproval	SignedStatus	E NN
equipmentRequestsTeacherAnnotation	String	NN
materialRequestsTeacherApproval	SignedStatus	E NN
materialRequestsTeacherAnnotation	String	NN
reagentRequestsTeacherApproval	SignedStatus	E NN
reagentRequestsTeacherAnnotation	String	NN
laboratoryReservationsTeacherApproval	SignedStatus	E NN
laboratoryReservationsTeacherAnnotation	String	NN
equipmentRequestsAdminApproval	SignedStatus	E NN
equipmentRequestsAdminAnnotation	String	NN
equipmentRequestsAdminApprover	Admins	NN
equipmentRequestsAdminApproverId	String	NN
materialRequestsAdminApproval	SignedStatus	E NN
materialRequestsAdminAnnotation	String	NN
materialRequestsAdminApprover	Admins	NN
materialRequestsAdminApproverId	String	NN
reagentRequestsAdminApproval	SignedStatus	E NN
reagentRequestsAdminAnnotation	String	NN
reagentRequestsAdminApprover	Admins	NN
reagentRequestsAdminApproverId	String	NN
laboratoryReservationsAdminApproval	SignedStatus	E NN
laboratoryReservationsAdminAnnotation	String	NN
laboratoryReservationsAdminApprover	Admins	NN
laboratoryReservationsAdminApproverId	String	NN
schoolYear	SchoolYear	NN
schoolYearId	String	NN
completeStatus	CompleteStatus	E NN



```
Enum Role {  
    STUDENT  
    TEACHER  
    ADMIN  
}
```

```
Enum SignedStatus {  
    APPROVED  
    PENDING  
    REVISION_NEEDED  
}
```

```
Enum CompleteStatus {  
    PENDING  
    UNDERWAY  
    COMPLETED  
}
```