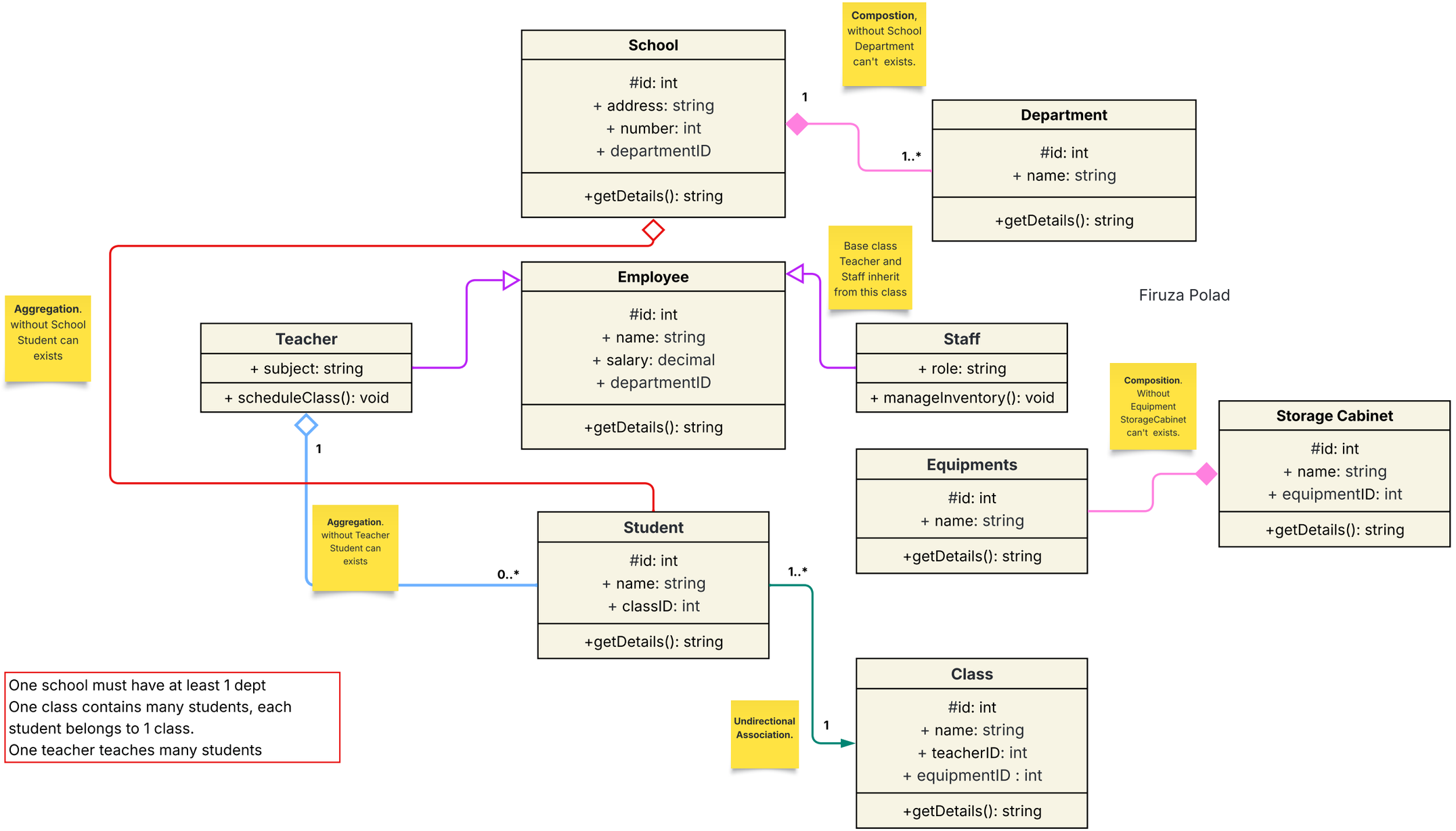
School
#id: int
+ address: string
+ number: int
+ departmentID
+getDetails(): string
Compostion, without School Department can't exists.
1
1..*
Department
#id: int
+ name: string
+getDetails(): string
Aggregation. without School Student can exists
Base class Teacher and Staff inherit from this class
Employee
#id: int
+ name: string
+ salary: decimal
+ departmentID
+getDetails(): string
Teacher
+ subject: string
+ scheduleClass(): void
Staff
+ role: string
+ manageInventory(): void
Firuza Polad
Composition. Without Equipment StorageCabinet can't exists.
Storage Cabinet
#id: int
+ name: string
+ equipmentID: int
+getDetails(): string
Equipments
#id: int
+ name: string
+getDetails(): string
1
Aggregation. without Teacher Student can exists
0..*
Student
#id: int
+ name: string
+ classID: int
+getDetails(): string
1..*
Undirectional Association.
1
Class
#id: int
+ name: string
+ teacherID: int
+ equipmentID : int
+getDetails(): string
One school must have at least 1 dept
One class contains many students, each student belongs to 1 class.
One teacher teaches many students