# The UML

#### **Doctor**

- Id: String
- name: String
- experienceYears: int
- counter=0: int
- lastUpdateDate: Date
- + constructor(Id ,name, experienceYears): void
- + constructor(name, experienceYears):
- + generateId(): String
- + sendGeneralization(String msg): void
- + degreeUpdate(String subjectID): void

## Subjects

- subjectID: String - name: String
- counter=0: void - lastUpdateDate: Date
- + constructor(subjectID, name): void
- + constructor(name): void
- + settter & getter for All
- + generateId(): String

#### **Documents**

- photoForProofDocuments: boolean
- personalPhoto: boolean
- HighSchoolCertificate: boolean
- TrueCopy: boolean
- $+ constructor (photoForProofDocuments,\\ personalPhoto, HighSchoolCertificate,\\$
- TrueCopy): void
- + settter & getter for All

## Group

- levelNumber: int
- section: String
- specialization: String
- Group: int
- + constructor(levelNumber, section, specialization, Group): void
- + settter & getter for All

# RepeatedMethods

#### **Students**

- StudentID: String
- name: String
- birthDate: date
- maxLevel=4:int
- Grade[]: double
- require: Documents
- inGroup: Group
- finalGrades: double
- counter=0: int
- lastUpdateDate: Date
- + constructor(StudentID, name, birthDate, inGroup, require): void
- + setter and getter
- + sendMsg(String msg, Doctor
- doctorName):void
- + finalGrades(): double
- + generateId(): String

# Education

- subjectID: String
- StudentID: String
- doctorID: String
- degree: double
- the TeacgYear: Date
- + constructor(): void
- + settter & getter for All

