# The UML

### <<Interface>>
### peronInterface

+ generateId(): String

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### Subjects

- subjectID: String
- name: String
- counter=0: void
- lastUpdateDate: Date

+ constructor(subjectID, name): void
+ constructor(name): void
+ getter for All
+ setName(String): void
+ incCounter(): void

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### Doctor

- experienceYears: int
- myMsg<ArrayList>: Generalization
- myEdcate<ArrayList>: Education

+ constructor(Id ,name, experienceYears): void
+ constructor(name, experienceYears): void
+ generateId(): String
+ sendGeneralization(String msg): void
+ degreeUpdate(String subjectID): void

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### Documents

- photoForProofDocuments: boolean
- personalPhoto: boolean
- HighSchoolCertificate: boolean
- TrueCopy: boolean

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

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### RepeatedMethods

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### Subjects

+ constructor(subjectID, name): void
+ constructor(name): void
+ settter & getter for All
+ generateId(): String

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### Group

- levelNumber: int
- section: String
- specialization: String
- Group: int

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

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### Generalization

- historyOfSend: Date
- Content: String

+ constructor(historyOfSend, Content): void
+ settter & getter for All

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### Students

- birthDate: Date
- Grade<ArrayList>: double
- require: Documents
- inGroup: Group
- finalGrades: double
- myMsg<ArrayList>: Generalization
- myEdcate<ArrayList>: Education

+ constructor(StudentID, name, birthDate, inGroup, require): void
+ setter and getter
+ sendMsg(String msg, Doctor doctorName):void
+ finalGrades(): double
+ generateId(): String
+ reciveMsg(): void

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### Education

- subjectID: String
- StudentID: String
- doctorID: String
- degree: double
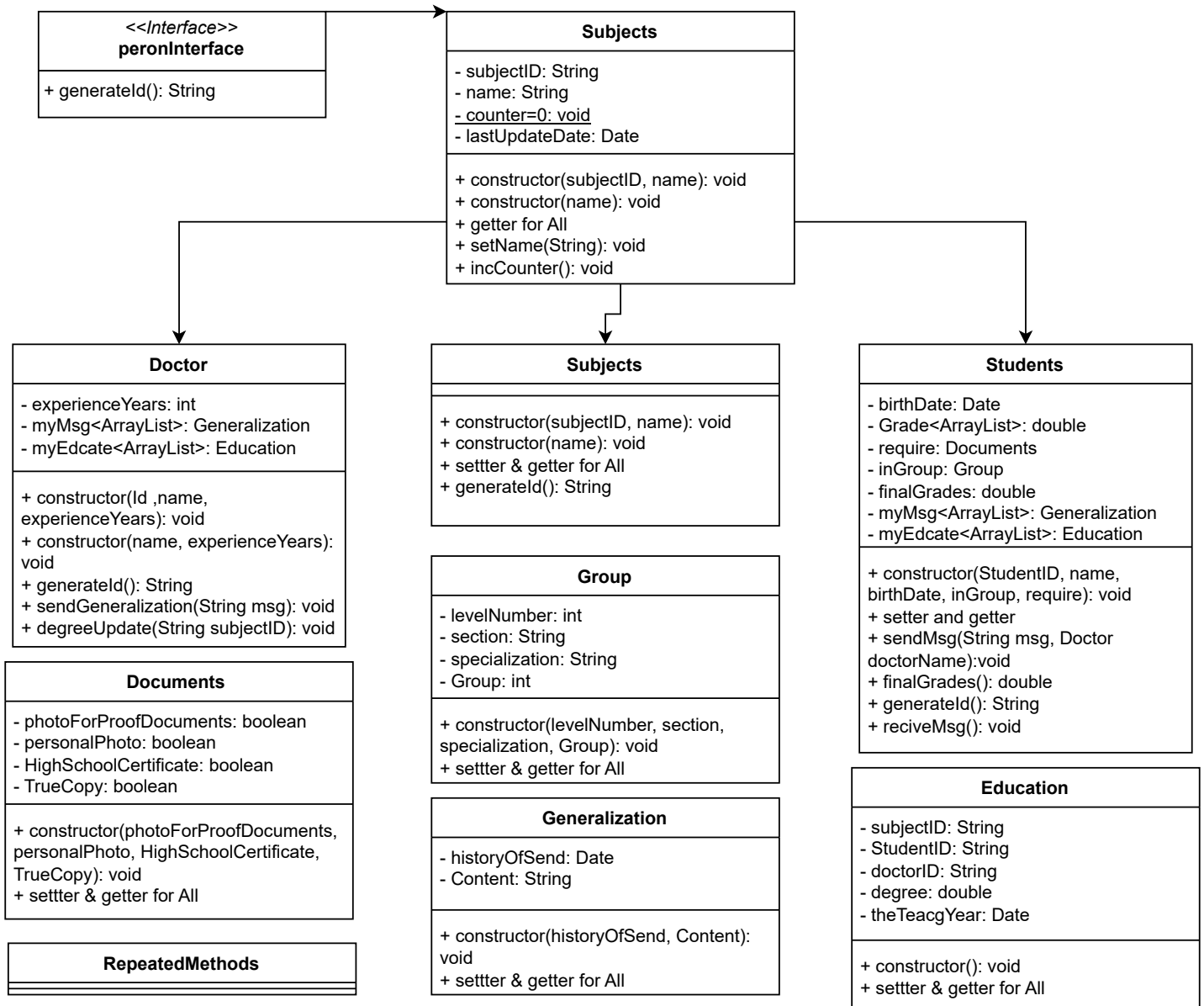- theTeacgYear: Date

+ constructor(): void
+ settter & getter for All

🛠️ students: sendMsg
Networking

🛠️ doctor: sendGeneralization
Networking

🛠️ doctor: generateId

🛠️ Subjects: generateId

🛠️ students: generateId

tempId

tempId= lastUpdateDate + counter++ + "";

tempId

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tempId

tempId= lastUpdateDate + counter++ + "";

tempId

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tempId

tempId= lastUpdateDate + experienceYears + counter++ + "";

tempId