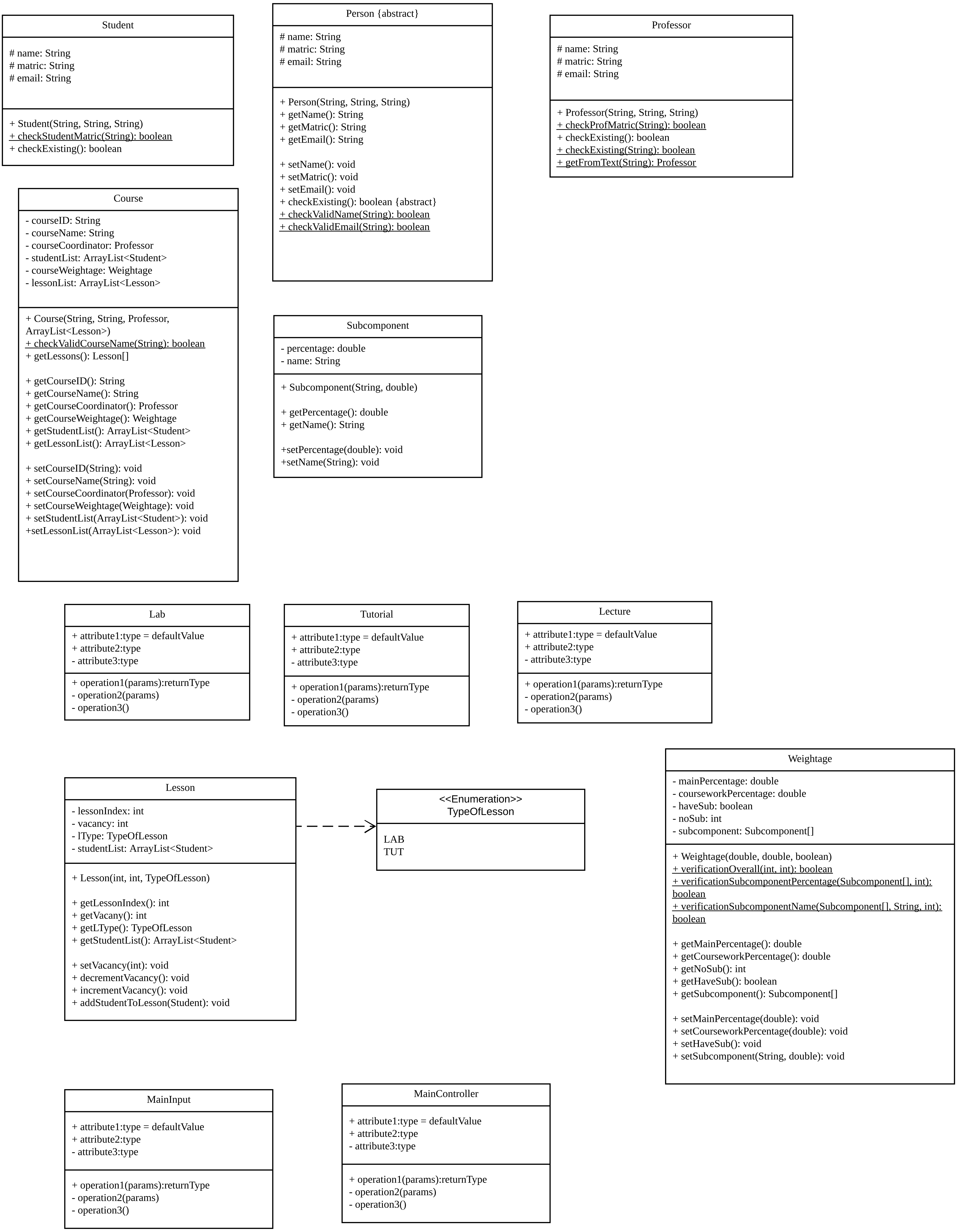

```
Student
# name: String
# matric: String
# email: String
+ Student(String, String, String)
+ checkStudentMatric(String): boolean
+ checkExisting(): boolean
```

```
Person {abstract}
# name: String
# matric: String
# email: String
+ Person(String, String, String)
+ getName(): String
+ getMatric(): String
+ getEmail(): String

+ setName(): void
+ setMatric(): void
+ setEmail(): void
+ checkExisting(): boolean {abstract}
+ checkValidName(String): boolean
+ checkValidEmail(String): boolean
```

```
Professor
# name: String
# matric: String
# email: String
+ Professor(String, String, String)
+ checkProfMatric(String): boolean
+ checkExisting(): boolean
+ checkExisting(String): boolean
+ getFromText(String): Professor
```

```
Course
- courseID: String
- courseName: String
- courseCoordinator: Professor
- studentList: ArrayList<Student>
- courseWeightage: Weightage
- lessonList: ArrayList<Lesson>
+ Course(String, String, Professor,
ArrayList<Lesson>)
+ checkValidCourseName(String): boolean
+ getLessons(): Lesson[]

+ getCourseID(): String
+ getCourseName(): String
+ getCourseCoordinator(): Professor
+ getCourseWeightage(): Weightage
+ getStudentList(): ArrayList<Student>
+ getLessonList(): ArrayList<Lesson>

+ setCourseID(String): void
+ setCourseName(String): void
+ setCourseCoordinator(Professor): void
+ setCourseWeightage(Weightage): void
+ setStudentList(ArrayList<Student>): void
+setLessonList(ArrayList<Lesson>): void
```

```
Subcomponent
- percentage: double
- name: String
+ Subcomponent(String, double)

+ getPercentage(): double
+ getName(): String

+setPercentage(double): void
+setName(String): void
```

```
Lab
+ attribute1:type = defaultValue
+ attribute2:type
- attribute3:type
+ operation1(params):returnType
- operation2(params)
- operation3()
```

```
Tutorial
+ attribute1:type = defaultValue
+ attribute2:type
- attribute3:type
+ operation1(params):returnType
- operation2(params)
- operation3()
```

```
Lecture
+ attribute1:type = defaultValue
+ attribute2:type
- attribute3:type
+ operation1(params):returnType
- operation2(params)
- operation3()
```

```
Lesson
- lessonIndex: int
- vacancy: int
- lType: TypeOfLesson
- studentList: ArrayList<Student>
+ Lesson(int, int, TypeOfLesson)

+ getLessonIndex(): int
+ getVacany(): int
+ getLType(): TypeOfLesson
+ getStudentList(): ArrayList<Student>

+ setVacancy(int): void
+ decrementVacancy(): void
+ incrementVacancy(): void
+ addStudentToLesson(Student): void
```

```
<<Enumeration>>
TypeOfLesson
LAB
TUT
```

```
Weightage
- mainPercentage: double
- courseworkPercentage: double
- haveSub: boolean
- noSub: int
- subcomponent: Subcomponent[]
+ Weightage(double, double, boolean)
+ verificationOverall(int, int): boolean
+ verificationSubcomponentPercentage(Subcomponent[], int):
boolean
+ verificationSubcomponentName(Subcomponent[], String, int):
boolean

+ getMainPercentage(): double
+ getCourseworkPercentage(): double
+ getNoSub(): int
+ getHaveSub(): boolean
+ getSubcomponent(): Subcomponent[]

+ setMainPercentage(double): void
+ setCourseworkPercentage(double): void
+ setHaveSub(): void
+ setSubcomponent(String, double): void
```

```
MainInput
+ attribute1:type = defaultValue
+ attribute2:type
- attribute3:type
+ operation1(params):returnType
- operation2(params)
- operation3()
```

```
MainController
+ attribute1:type = defaultValue
+ attribute2:type
- attribute3:type
+ operation1(params):returnType
- operation2(params)
- operation3()
```