Person

firstName: String
lastName: String
ID: String
joiningYear: int
department: Department

+ getFirstName(): String
+ getLastName(): String
+ getID(): String
+ getJoiningYear(): int
+ getDepartment(): Department

AbstarctEmployee

payrolls: ArrayList<Payroll>
defPay: int
income: int
state: String

+ getDefPay(): int
+ incomeCalculate(): int
+ isPromoteable(): boolean
+ getIncome(): int
+ setIncome(int): void
+ setDefPay(int): void
+ getState(): String

Extends

Student

courses: ArrayList<Course>

+ addCourse(Course): void
+ getCourses(): ArrayList<Course>

Extends

Bachler

- field: type

+ setField(Type): void
+ getField(): Type

Extends

Master

- essays: ArrayList<Essay>
- teacher: Teacher

+ getEssays(): ArrayList<Essay>
+ addEssay(Essay): void
+ getTeacher(): Teacher

Extends

Teacher

- courses: ArrayList<Course>
- essays: ArrayList<Essay>
- group: String

+ addCourse(Course): void
+ removeCourse(Course): void
+ addEssay(Essay): void
+ getEssays(): ArrayList<Essay>
+ incomeCalculate(): int
+ isPromoteable(): boolean
+ calCurrentIncome(): int
+ callEmployee(): AbstarctEmployee

Extends

ServiceEmployee

- overTime: int
- passedDays: int

+ setPassedDays(int): void
+ incomeCalculate(): int
+ isPromoteable(): boolean
+ calCurrentIncome(): int
+ callEmployee(): AbstarctEmployee

FinancialSystem

- field: int
- financialAccounts: ArrayList<FinancialAccount>
- payrolls: ArrayList<Payroll>

+ addAccount(FinancialAccount): void
+ checkOut(FinancialAccount): void
+ settle(AccountingInterface): void

FinancialAccount

- owner: AbstarctEmployee
- stock: int
- creditor: int

+ getOwner(): AbstarctEmployee
+ getCreditor(): int
+ setCreditor(int): void
+ setStock(int): void
+ checkOut(int): void

Essay

- title: String
- modYear: int

+ getTitle(): String
+ getModYear(): int

Payroll

- id: int
- income: int
- date: int
- owner: AbstarctEmployee

+ getIncome(): int
+ getId(): int
+ getDate(): int
+ getOwner(): AbstarctEmployee

Department

- courses: ArrayList<Course>
- name: String

+ getName(): String
+ getCourses(): ArrayList<Course>
+ addCourse(Course): void

Type

- type: String

+ getType(): String

Course

- title: String
- instructor: Teacher
- students: ArrayList<Student>
- teacherAssistance: Master

+ getTitle(): String
+ getTeacherAssistance(): Master
+ setTeacherAssistance(Master): void
+ getInstructor(): Teacher
+ getStudents(): ArrayList<Student>
+ addStudent(Student): void