Vincent Lin

(SuperClass)yearAndSemester

Buildings

1..* | **Department** | **Faculty**

0..1 — have ◄ — 0..1 — have ► — 1..*

1 ◇ 1 1

contain ↓ have teaches ↓

1..*

Classroom

0..1 ◇ —— Taught in ► —— 1..* **Course** 1..*

1

1..*

Class Time

1 —— have ◄ —— 1 ◆ **Section** —— contain ◄ —— 1

Building
- 🔲 numOfRooms: Integer
- 🔲 departments: String
- 🔲 classrooms: Classroom
- 🔲 buildingCode: String

Department
- 🔲 department: String
- 🔲 college: String
- 🔲 course: Course
- ⚙️ totalCreditHourPerSemester(): Integer
- ⚙️ totalCreditHourPerYear(): Integer
- ⚙️ numCoursePerSemester(): Integer
- ⚙️ numCoursePerYear(): Integer

Faculty
- 🔲 coursesTaught: Course
- 🔲 schedule: String
- ⚙️ totalCreditHourPerYear(): Integer
- ⚙️ totalCreditHourPerSemester(): Integer
- ⚙️ numCoursePerSemester(): Integer
- ⚙️ numCoursePerYear(): Integer

yearAndSemester
- 🔲 year: Integer
- 🔲 semester: String
- ⚙️ totalCHManyYears(): Integer

Classroom
- 🔲 roomNum: Integer
- 🔲 maxCapacity: Integer
- 🔲 roomUsage: String

Class Time
- 🔲 MeetingDays: String
- 🔲 startTime: Integer
- 🔲 endTime: Integer
- ⚙️ MeetingPerWeek(): Integer

Course
- 🔲 Section: Section
- 🔲 title: String
- ⚙️ haveLab(): Boolean

Section
- 🔲 typeOfClass: String
- 🔲 SectionNum: Integer
- 🔲 MeetingTime: Class Time
- 🔲 numStudents: Integer
- 🔲 professor: String
- 🔲 creditHour: Integer
- ⚙️ IsOpen(): Boolean
- ⚙️ IsLab(): Boolean
- ⚙️ IsOnline(): Boolean