#### User

-userId: string -userName: String -userTel: String -userEmail: String -userAddr: String -userPw: String

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+insert(String, String, String, String, String): void

+selectUser(String): user

+updateUser(String, String, String, String): void

## Stu

-stuName: string -stuTel: String -stuEmail: String -stuAddr: String -stu\_id: String -stu\_pw: String -stuLectCode: String

+insertStu(String, String, String, String, String, String): void

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+selectStu(String): Stu

+selctStuList(): java.util.ArrayList<stu>

+selctStuList(String): java.util.ArrayList<stu>

+updateStu(String, String, String, String): void

# **Attend**

-attendNalja: java.sql.Date -attentStuId: String -attendLectCode: String

-attendBeginTime: java.util.Calendar -attendIsBeginChecked: boolean -attendEndTime: java.util.Calendar -attendIsEndChecked: boolean

+sendSignal(String, int): void

+checkSignal(java.sql.Date, String, int): void +selectAttend(java.sql.Date, String): Attend

+getAttendRate(String): double

+getAttendRateMap(String): java.util.Map<String, double>

## teacher

-teacherId: String -teacherName: String -teacher Tel: String +teacherEmail: String +teacherAddr: String +teacherPw: String

+insertTeacher(String, String, String, String, St

+selectTeacher(String): Teacher

+selectTeacherList(): java.util.ArrayList<Teach +updateTeacher(String, String, String, String, \$

Lect

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-lectCode: String
-lectName: String
-lectStafId: String
-lectTotalNumStus: int
-lectBeginDate: java.sql.Date
-lectEndDate: java.sql.Date

-lectBeginTime: int-lectEndTime: int-lectThumbName: String

+insertLect(String, String, String, int, java.sql.Date, jav

+selectLect(String): Lect

+updateLect(String, String, String, int, java.sql.Date, j

### Eval

-evalOrderNum: int-evalStuId: String-evalScore: int-evalLectCode: String

+selectEvalListStu(String): java.util.ArrayList<Eval> +selectEvalListLect(String): java.util.ArrayList<Eval>

+updateEval(int, String): void

