

Student Management System UML



Person		
f	age	int
f	id	int
f	email	String
f	name	String
m	setPhysics(int)	void
m	setAge(int)	void
m	getPhysics()	int
m	getChemistry()	int
m	getSalary()	int
m	setId(int)	void
m	getMath()	int
m	setChemistry(int)	void
m	getId()	int
m	setSalary(int)	void
m	setClassroom(Classroom)	void
m	setMath(int)	void
m	dataToStringarray()	String[]
m	getJava()	int
m	getParent()	String
m	setJava(int)	void
m	setParent(String)	void
m	getName()	String
m	getClassroom()	Classroom
m	setMusic(int)	void
m	getEnglish()	int
m	setEnglish(int)	void
m	setName(String)	void
m	getEmail()	String
m	getAge()	int
m	setEmail(String)	void
m	getMusic()	int



Student		
f	grades	Grades
f	parent	String
f	classroom	Classroom
m	setClassroom(Classroom)	void
m	getChemistry()	int
m	toString()	String
m	getAverage()	float
m	setMusic(int)	void
m	getTeacher()	Person
m	getClassroom()	Classroom
m	setEnglish(int)	void
m	getMusic()	int
m	getParent()	String
m	getMath()	int
m	setJava(int)	void
m	setMath(int)	void
m	setChemistry(int)	void
m	dataToStringarray()	String[]
m	setParent(String)	void
m	getPhysics()	int
m	getEnglish()	int
m	setPhysics(int)	void
m	getJava()	int



Teacher		
f	salary	int
m	setMusic(int)	void
m	setSalary(int)	void
m	getParent()	String
m	setPhysics(int)	void
m	getSalary()	int
m	getMusic()	int
m	getEnglish()	int
m	getChemistry()	int
m	setChemistry(int)	void
m	setMath(int)	void
m	toString()	String
m	dataToStringarray()	String[]
m	getPhysics()	int
m	setJava(int)	void
m	setClassroom(Classroom)	void
m	getMath()	int
m	setEnglish(int)	void
m	getJava()	int
m	getClassroom()	Classroom
m	setParent(String)	void



Student

  grades Grades



  parent String



  classroom Classroom



  setClassroom(Classroom) void



  getChemistry() int


  toString() String

  getAverage() float



  setMusic(int) void

  getTeacher() Person



  getClassroom() Classroom

  setEnglish(int) void



  getMusic() int



  getParent() String



  getMath() int



  setJava(int) void



  setMath(int) void



  setChemistry(int) void

  dataToStringarray() String[]

  setParent(String) void

  getPhysics() int



  getEnglish() int



  setPhysics(int) void



  getJava() int



Teacher

  salary int

  setMusic(int) void



  setSalary(int) void



  getParent() String



  setPhysics(int) void



  getSalary() int

  getMusic() int



  getEnglish() int



  getChemistry() int



  setChemistry(int) void



  setMath(int) void

  toString() String


  dataToStringarray() String[]

  getPhysics() int



  setJava(int) void



  setClassroom(Classroom) void

  getMath() int
































  setEnglish(int) void

  getJava() int































































  getClassroom() Classroom

  setParent(String) void













School

























  <i>instance</i>	School
 <i>teacherlist</i>	List<Person>
 <i>classrooms</i>	List<Classroom>
 <i>studentlist</i>	List<Person>
<hr/>	
  <i>getInstance()</i>	School
  <i>getStudentsFromClassroom(String)</i>	List<Person>
  <i>addTeacher(Person)</i>	void
  <i>removeStudent(Person)</i>	void
  <i>addStudent(Person)</i>	void
  <i>getClassrooms()</i>	List<Classroom>
  <i>getStudentlist()</i>	List<Person>
  <i>getStudentsUnderTeacher(Teacher)</i>	List<Person>
  <i>getStudentsFromClassroom(Classroom)</i>	List<Person>
  <i>addClassroom(Classroom)</i>	void
  <i>printClassroominformation()</i>	void
  <i>getStudentsUnderTeacher(String)</i>	List<Person>
  <i>getTeacherlist()</i>	List<Person>

Person

 	age	int
 	id	int
 	email	String
 	name	String
 	setPhysics(int)	void
 	setAge(int)	void
 	getPhysics()	int
 	getChemistry()	int
 	getSalary()	int
 	setId(int)	void
 	getMath()	int
 	setChemistry(int)	void
 	getId()	int
 	setSalary(int)	void
 	setClassroom(Classroom)	void
 	setMath(int)	void
 	dataToStringarray()	String[]
 	getJava()	int
 	getParent()	String
 	setJava(int)	void
 	setParent(String)	void
 	getName()	String
 	getClassroom()	Classroom
 	setMusic(int)	void
 	getEnglish()	int
 	setEnglish(int)	void
 	setName(String)	void
 	getEmail()	String
 	getAge()	int
 	setEmail(String)	void
 	getMusic()	int

Grades

	 english	int
	 math	int
	 physics	int
	 java	int
	 music	int
	 chemistry	int

	 setEnglish(int)	void
	 getEnglish()	int
	 getMath()	int
	 setMath(int)	void
	 setPhysics(int)	void
	 getJava()	int
	 getChemistry()	int
	 getMusic()	int
	 setJava(int)	void
	 setChemistry(int)	void
	 getPhysics()	int
	 setMusic(int)	void

Classroom

f	teacher	Person
f	studentList	List<Person>
f	name	String
m	setName(String)	void
m	toString()	String
m	getName()	String
m	getTeacher()	Person
m	printStudentsInformation()	void
m	setTeacher(Teacher)	void
m	addStudent(Person)	void
m	setStudentList(List<Person>)	void
m	getStudentList()	List<Person>
m	removeStudent(Person)	void