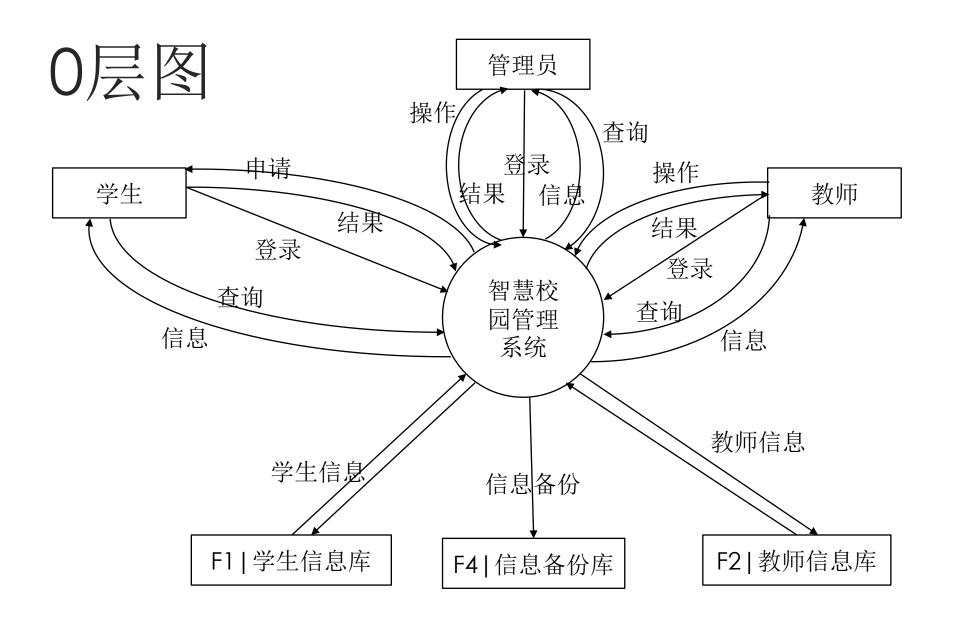
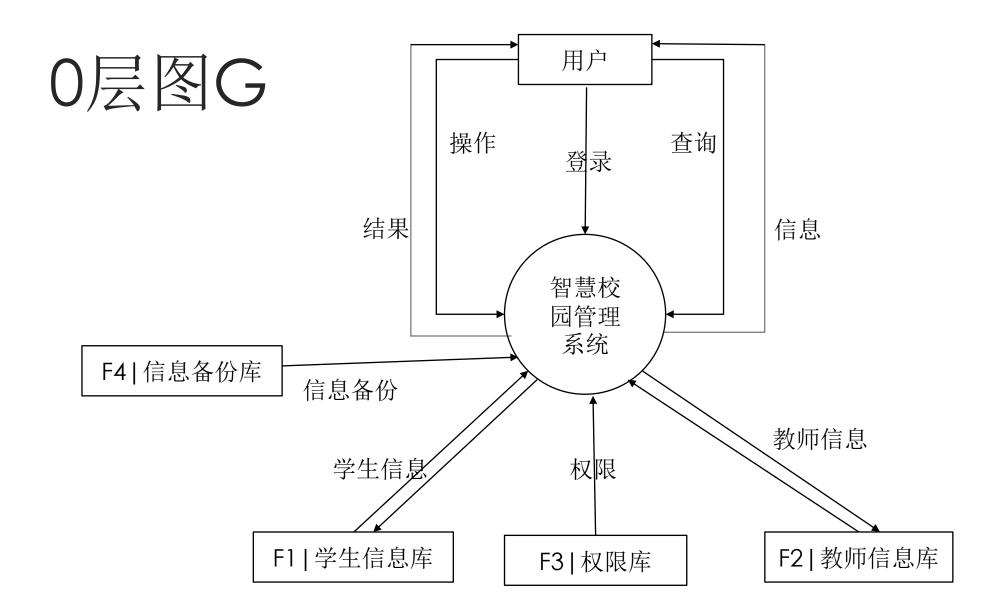
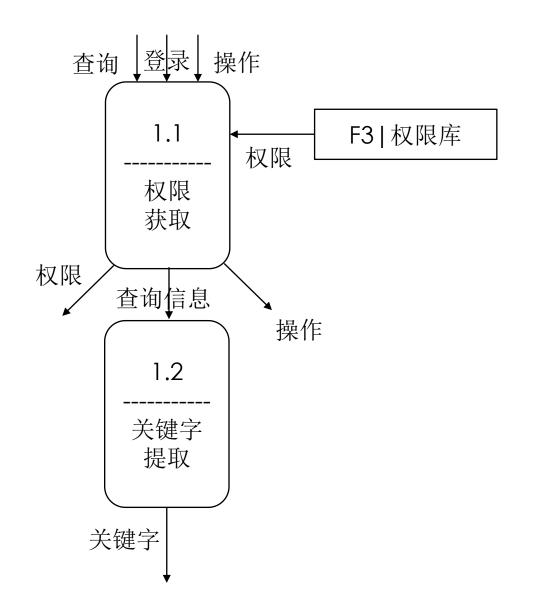
系统上下文图 管理人员 学生信息管理、教职工信息管理、教 学资源管理、教学评价管理、学生行 为管理、校园设备管理、财务管理 提供课程、学生、成绩信息 个人信息,课程表 智慧校园数据 管理系统 共享教学资源,评估课程 选课,数学评价 考试安排及成绩 更改课程、学生、成绩信息 教师 学生





用户 1层图 操作 查询 登录 信息 F3 | 权限库 权限 信息 登录 操作 权限 关键字 4 F4|信息备份库 事务 信息 自动 信息备份 获取 查询 办理 学生信息G 学生信息 学生信息 教师信息G 教师信息 F1|学生信息库 教师信息 F2|教师信息库

2层图



```
微规格说明
```

1.1

INPUT:LoginAccount,Search,Operation

WHEN LoginAccount LOGIN

IF (AccountKind == Student)

DO Match UNTIL LoginAccount == Student[n]

Authority = Student[n]

IF (AccountKind == Teacher)

DO Match UNTIL LoginAccount == Teacher[n]

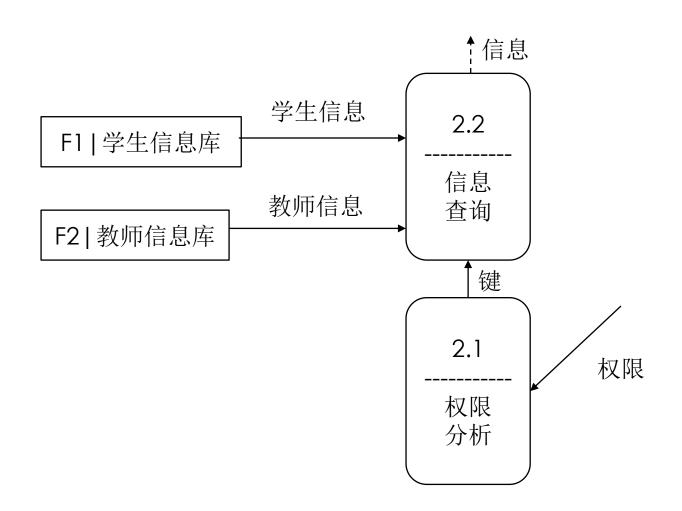
Authority = Teacher

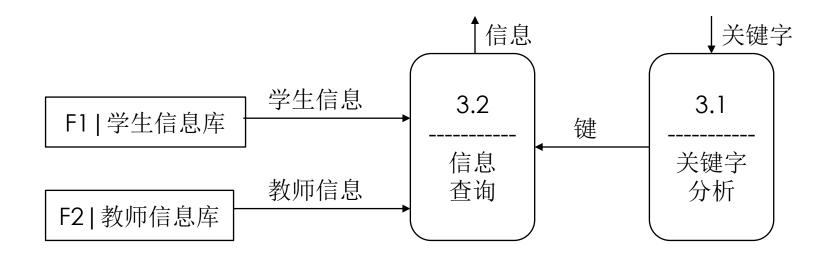
IF (AccountKind == Manager) Authority = Manager

SearchInformation = Search

OperationInformation = Operation

OUTPUT: Authority, SearchInformation, OperationInformation





```
3.1
```

INPUT:KeyWords

SELECT CASE

CASE 1 KeyWords == SelfInformation

Key = StudentNumber

CASE 2 KeyWords == ExamResult

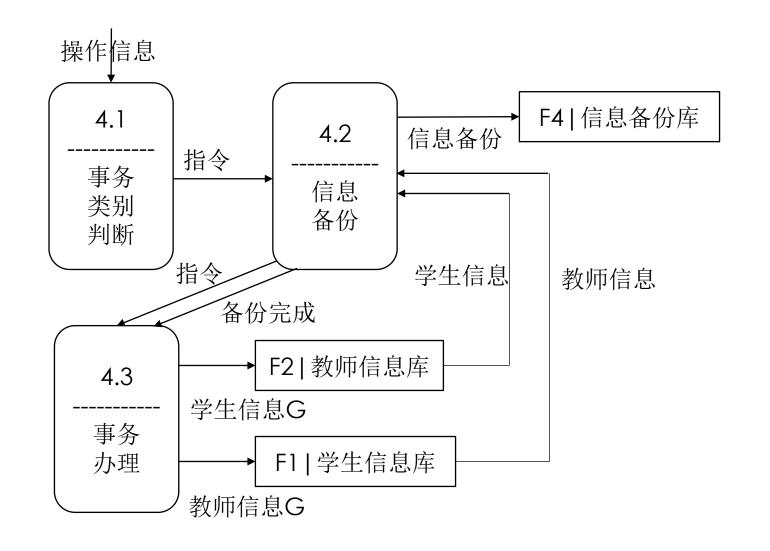
Key = StudentNumber,Lesson

CASE 3 KeyWords == Postgraduate

Key = StudentNumber,SchoolNumber

.

END CASE



```
4.2
```

INPUT:Instruct

IF(InstructKind == Student)

GET StudentInformation FROM F1

Backups = StudentInformation

IF(InstructKind == Teacher)

GET TeacherInformation FROM F1

Backups = TeacherInformation

OUTPUT: Backups

```
4.3
INPUT:Instruct,Boolean isBackups
IF(isBackups == TRUE)
IF(InstructKind == Student)
InformationG = StudentInformationG
IF(InstructKind == Teacher)
InformationG = TeacherInformationG
```

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ELSEIF(isBackups == FALSE)

THROW ERROR ("Failed to back up server data.")

OUTPUT: InformationG

