# 用例图

# 泳道图

# 数据库设计

表*[0]*：*[passenger表]*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 表名 | | passenger | | | | | |
| 数据库用户 | |  | | | | | |
| 主键 | | id | | | | | |
| 其他排序字段 | |  | | | | | |
| 索引字段 | | id | | | | | |
| 序号 | 字段名称 | 数据类型（精度范围） | 允许为空Y/N | 唯一Y/N | 区别度 | 默认值 | 约束条件/说明 |
|  | id | int | *N* | Y |  |  | *主键* |
| *0* | sex | *Varchar(7)* | *Y* | N |  | 无 | *性别* |
| 1 | name | *Varchar(16)* | *N* | *N* | 高 | 无 | *姓名* |
| 2 | idCard | *Varchar(20)* | *N* | *Y* | *低* | 无 | *身份证号码* |
|  | tel | *Varchar(11)* | *N* | *N* |  |  |  |
| sql脚本 | | DROP TABLE IF EXISTS ` passenger`;  CREATE TABLE ` passenger` (  `id` int PRIMARY KEY AUTO\_INCREMENT,  `name` *Varchar(16)*  NOT NULL,  `sex` *Varchar(7)*  NOT NULL,  `idCard` *Varchar(20)*  NOT NULL  `tel` *Varchar(11)*  NOT NULL  ) ENGINE=InnoDB AUTO\_INCREMENT=0 DEFAULT CHARSET=utf8; | | | | | |
| 备注 | | *无* | | | | | |
|  | |  | | | | | |

表*[1]*：*[travelAgency表]*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 表名 | | travelAgency | | | | | |
| 数据库用户 | |  | | | | | |
| 主键 | | id | | | | | |
| 其他排序字段 | |  | | | | | |
| 索引字段 | | id | | | | | |
| 序号 | 字段名称 | 数据类型（精度范围） | 允许为空Y/N | 唯一Y/N | 区别度 | 默认值 | 约束条件/说明 |
| *0* | id | int | *N* | Y | 高 | 无 | *主键（旅行社代号）* |
| 1 | address | *Varchar(30)* | *Y* | *Y* | 高 | 无 | *地址* |
| 2 | name | *Varchar(30)* | *Y* | *N* | *低* | 无 | *旅行社名称* |
|  | tel | *Varchar(11)* |  |  |  |  | *联系电话* |
| sql脚本 | | DROP TABLE IF EXISTS ` travelAgency`;  CREATE TABLE ` travelAgency` (  `id` int PRIMARY KEY AUTO\_INCREMENT,  `name` *Varchar(30)*  NOT NULL,  `address` *Varchar(30)*  NOT NULL  `tel` *Varchar(11)*  NOT NULL  ) ENGINE=InnoDB AUTO\_INCREMENT=0 DEFAULT CHARSET=utf8; | | | | | |
| 备注 | | *无* | | | | | |
|  | |  | | | | | |

表*[2]*：*[flight表]*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 表名 | | *flight* | | | | | |
| 数据库用户 | |  | | | | | |
| 主键 | | id | | | | | |
| 其他排序字段 | |  | | | | | |
| 索引字段 | |  | | | | | |
| 序号 | 字段名称 | 数据类型（精度范围） | 允许为空Y/N | 唯一Y/N | 区别度 | 默认值 | 约束条件/说明 |
| *0* | id | int | *N* | Y | 高 | 无 | *主键（航班号）* |
| 1 | name | *Varchar(10)* | *Y* | *Y* | 高 | 无 | *航班名* |
| 2 | airplaneType | *Varchar(15)* | *Y* | *N* | *低* | 无 | *客机型号* |
| 3 | airlineCompany | *Varchar(20)* |  |  |  |  | *航空公司* |
| 4 | StartTime |  |  |  |  |  | *起飞时间* |
| 5 | arriveTime |  |  |  |  |  | *到达时间* |
| 6 | StartCity | *Varchar(18)* |  |  |  |  | *起飞城市* |
| 7 | arriveCity | *Varchar(18)* |  |  |  |  | *到达城市* |
| 8 | Date |  |  |  |  |  | *出发日期* |
| 9 | economyClassNumber | *int* |  |  |  |  | *经济舱座位数* |
| 10 | economyClassprice | *double* |  |  |  |  | *经济舱票价* |
| 11 | FirstClassNumber | *int* |  |  |  |  | *头等舱座位数* |
| 12 | firstClassPrice | *double* |  |  |  |  | *头等舱票价* |
| 13 | discount | *double* |  |  |  |  | *折扣* |
| sql脚本 | | DROP TABLE IF EXISTS `flight`;  CREATE TABLE ` flight ` (  `id` int PRIMARY KEY AUTO\_INCREMENT,  `name` *Varchar(10)*  DEFAULT NULL,  ` airplaneType ` *Varchar(15)* DEFAULT NULL,  ‘airlineCompany’ *Varchar(20)* DEFAULT NULL,  ‘StartCity’ *Varchar(18)* DEFAULT NULL,  ‘arriveCity’ *Varchar(18)* DEFAULT NULL,  ‘economyClassNumber’ *int* DEFAULT NULL,  ‘economyClassPrice’ *double* DEFAULT NULL,  ‘firstClasNumber’ *int* DEFAULT NULL,  ‘firstClasPrice’ *double* DEFAULT NULL,  ‘discount’ *double* DEFAULT NULL,  ‘date’ *Varchar(12)* DEFAULT NULL,  ‘date’ *Varchar(12)* DEFAULT NULL,  ‘date’ *Varchar(12)* DEFAULT NULL,  ) ENGINE=InnoDB AUTO\_INCREMENT=0 DEFAULT CHARSET=utf8; | | | | | |
| 备注 | | *无* | | | | | |
|  | |  | | | | | |