# 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 | |  | | | | | |
| 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 |  |  |  |  |  |
| *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 | | productId | | | | | |
| 其他排序字段 | | name price | | | | | |
| 索引字段 | | productId | | | | | |
| 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]*：*[航班表]*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 表名 | | product | | | | | |
| 数据库用户 | |  | | | | | |
| 主键 | | productId | | | | | |
| 其他排序字段 | | name price | | | | | |
| 索引字段 | | productId | | | | | |
| 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（产品号）* |
| 1 | name | *Varchar(25)* | *Y* | *Y* | 高 | 无 | *产品名字* |
| 2 | airplaneType | *double* | *Y* | *N* | *低* | 无 | *产品单价* |
| 3 | airlineCompany |  |  |  |  |  |  |
| 4 | StartTime |  |  |  |  |  |  |
| 5 | arriveTime |  |  |  |  |  |  |
| 6 | StartCity |  |  |  |  |  |  |
| 7 | arriveCity |  |  |  |  |  |  |
| 8 | Date |  |  |  |  |  |  |
| 9 | economyClassNumber |  |  |  |  |  |  |
| 10 | economyClassprice |  |  |  |  |  |  |
| 11 | FirstClassNumber |  |  |  |  |  |  |
| 12 | firstClassPrice |  |  |  |  |  |  |
| 13 | discount |  |  |  |  |  |  |
| sql脚本 | | DROP TABLE IF EXISTS `Product`;  CREATE TABLE `Product` (  `id` int PRIMARY KEY AUTO\_INCREMENT,  `productName` varchar(50) DEFAULT NULL,  `price` DOUBLE DEFAULT NULL  ) ENGINE=InnoDB AUTO\_INCREMENT=0 DEFAULT CHARSET=utf8; | | | | | |
| 备注 | | *无* | | | | | |
|  | |  | | | | | |