

**迅达智能家居方案设计系统**

**数据库设计**

**项目计划书修订版（研发内控A）**

The project plan is the most important indicator plan. The brief introduction reflects the project achievement status of the company. The project plan needs to be formulated in strict accordance with the process

**PROJECT SOLUTIONS**

**PROJECT PLANNING PAPER**

**驻马店迅达电子技术有限公司**

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**1.系统用户表t\_user**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段名 | 类型 | 长度 | 主键 | 缺省值 | 备注 |
| id | int |  | √ |  | 自动递增 |
| mobile | varchar | 50 |  |  | 手机号 |
| username | Varchar | 11 |  |  | 用户名 |
| pwd | Varchar | 30 |  | 123456 | 密码，Md5加密 |
| role\_id | Int |  |  |  | 用户身份标识/权限id，t\_role |
| add\_time | Date |  |  |  | 注册日期 |
| last\_time | Date |  |  |  | 上次登录日期 |
| del\_sign | Int |  |  |  | 删除标志 |
| 保留字段1 | Varchar | 30 |  |  |  |
| 保留字段2 | Varchar | 30 |  |  |  |
| 保留字段3 | Varchar | 30 |  |  |  |
| 保留字段4 | Varchar | 30 |  |  |  |
| 保留字段5 | varchar | 30 |  |  |  |

**2.客户表t\_customer**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段名 | 类型 | 长度 | 主键 | 缺省值 | 备注 |
| Id | int |  | √ |  | 自动递增 |
| mobile | varchar | 11 |  |  | 客户电话，登录账号 |
| username | varchar | 50 |  |  | 客户名称 |
| desc | varchar | 20 |  |  | 客户类别(个人，小区，开发商) |
| code | int |  |  |  | 0、1、2 |
| house\_list | varchar | 50 |  |  | 1用户拥有n个家（一对多，Java中list或set类型），外键关联户型表  **house\_list{**  **house\_id,**  **house\_id,**  **house\_id**  **}** |
| demand | longtext |  |  |  | 客户需求 |
| pwd | varchar | 100 |  |  | 登录密码 |
| address | varchar | 100 |  |  | 客户联系住址 |
| reserve1 | varchar | 30 |  |  | 保留字段1 |
| reserve2 | varchar | 30 |  |  | 保留字段2 |

**3.角色表 t\_role**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Id | int |  | √ |  |  |
| name | varchar | 20 |  |  | 角色名称：设计师/施工/仓管/管理员 |
| code | int |  |  |  | 角色码0/1/2/3 |
| desc | varchar | 50 |  |  | 描述 |
| pid | varchar | 100 |  |  | 资源路径id\_list,外键关联t\_resources |

**4.资源表t\_resources**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Id | Int |  | √ |  | 自动递增 |
| name | varchar | 30 |  |  | 资源名称 |
| path | varchar | 50 |  |  | 资源路径 |

**5.权限表t\_limit**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Id | int |  |  |  | 自动递增 |
| uid | int |  |  |  | 用户id，外键关联t\_user |
| rid | varchar |  |  |  | 角色id\_list，外键关联t\_role |

**6.户型（家）表 t\_house**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Id | int |  | √ |  |  |
| name | varchar | 30 |  |  | 家名称：两房两厅、单间。 |
| address | varchar | 50 |  |  | 住宅地址 |
| solu\_list | varchar | 50 |  |  | 1个家拥有n个方案（一对多，Java中list或set类型），外键关联方案表  solu\_list{  solu\_id,  solu\_id,  solu\_id  } |
| reserve1 | varchar | 30 |  |  | 保留1 |
| reserve2 | varchar | 30 |  |  | 保留2 |
| reserve3 | varchar | 30 |  |  | 保留3 |

**7.方案表 t\_solu**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段名 | 类型 | 长度 | 主键 | 缺省值 | 备注 |
| id | int |  | √ |  | 自动递增 |
| name | varchar | 50 |  |  | 方案名称。例如张三一房一厅A方案，张三一房一厅B方案。 |
| designer\_id | int |  |  |  | 设计师id |
| room\_list | varchar | 100 |  |  | 1方案拥有n个房间（一对多，Java中list或set类型），外键关联房间表  room\_list{  room\_id,  room\_id,  room\_id  } |
| pic\_list | varchar | 50 |  |  | 效果图id\_list |
| status | varchar | 20 |  |  | 方案状态：设计中、设计完毕、施工中、施工完毕 |
| desc | varchar | 100 |  |  | 描述 |
| add\_time | timestamp |  |  |  | 日期 |
| reserve1 | varchar | 30 |  |  | 保留1 |
| reserve2 | varchar | 30 |  |  | 保留2 |
| reserve3 | varchar | 30 |  |  | 保留3 |

**8.方案效果图表t\_design\_sketch**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| id | Int |  | √ |  |  |
| name | Varchar | 30 |  |  | 图名 |
| path | Varchar | 100 |  |  | 图片路径 |
| Desc | varchar | 50 |  |  | 图片描述 |

**9.方案模板t\_solu\_demo**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段名 | 类型 | 长度 | 主键 | 缺省值 | 备注 |
| id | Int |  | √ |  | 自动递增 |
| name | Varchar | 30 |  |  | 方案模板名称 |
| designer\_id | Int |  |  |  | 设计师id |
| room\_demo\_list | Varchar | 100 |  |  | 1方案拥有n个房间（一对多，Java中list或set类型），外键关联房间表  room\_demo\_list{  room\_demo\_id,  room\_demo\_id,  room\_demo\_id  } |
| Pic\_list | Varchar | 50 |  |  | 效果图id |
| Desc | varchar | 100 |  |  | 描述 |
| reserve1 | Varchar | 30 |  |  | 保留1 |
| reserve2 | Varchar | 30 |  |  | 保留2 |
| reserve3 | Varchar | 30 |  |  | 保留3 |

**10.房间表 t\_room**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| id | Int |  | √ |  |  |
| name | Varchar | 30 |  |  | 房间名 |
| dev\_list | Varchar | 255 |  |  | 1房间拥有n个产品（一对多，Java中list或set类型），外键关联产品表  dev\_list{  dev\_id,  dev\_id,  dev\_id  } |
| desc | varchar | 50 |  |  | 描述信息 |
| reserve1 | Varchar | 30 |  |  | 保留1 |
| reserve2 | Varchar | 30 |  |  | 保留2 |
| reserve3 | varchar | 30 |  |  | 保留3 |

**11.产品表 t\_product**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段名 | 类型 | 长度 | 主键 | 缺省值 | 备注 |
| id | int |  | √ |  | 自动递增 |
| name | varchar | 100 |  |  | 产品名称 |
| model | varchar | 20 |  |  | 型号 |
| link | varchar | 100 |  |  | 官网链接 |
| price | double |  |  |  | 价格 |
| price\_reserve1 | Double |  |  |  | 价格保留字段1 |
| price\_reserve2 | Double |  |  |  | 价格保留字段2 |
| price\_reserve3 | double |  |  |  | 价格保留字段3 |
| level2\_id | Int |  |  |  | 二级类型id，外键 |
| pid | Int |  |  |  | 图片id，外键 |
| gid | Int |  |  |  | 产品手册id，外键 |
| vid | Int |  |  |  | 安装联网视频id，外键 |
| Reserve1 | Varchar | 30 |  |  | 保留字段 |
| Reserve2 | varchar | 30 |  |  | 保留字段 |

**12.产品一级类型表 t\_product\_type\_level1**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段名 | 类型 | 长度 | 主键 | 缺省值 | 备注 |
| Id | int |  | √ |  | 自动递增 |
| name | varchar | 30 |  |  | 一级分类名称 |
| Desc | varchar | 100 |  |  | 描述 |

**13.产品类型表 t\_product\_type\_level2**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段名 | 类型 | 长度 | 主键 | 缺省值 | 备注 |
| Id | int |  | √ |  | 自动递增 |
| name | varchar | 30 |  |  | 二级分类名称 |
| Desc | Varchar | 100 |  |  | 描述 |
| Level1\_id | int |  |  |  | 外键关联level1 |

**14.产品属性表 t\_property**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段名 | 类型 | 长度 | 主键 | 缺省值 | 备注 |
| Id | int |  | √ |  | 自动递增 |
| Name | Varchar | 30 |  |  | 属性名 |
| Desc | Varchar | 100 |  |  | 描述 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| connection |  |  |  |  | 通讯方式 |
| color |  |  |  |  | 颜色 |
| voltage |  |  |  |  | 电压 |
| Current |  |  |  |  | 电流 |
| Power |  |  |  |  | 功率 |
| Size |  |  |  |  | 尺寸 |
| Length |  |  |  |  | 长度 |
| Weight |  |  |  |  | 重量 |
| Material |  |  |  |  | 材质 |
| Lifetime |  |  |  |  | 寿命 |
| Dpi |  |  |  |  | 分辨率 |
| pixel |  |  |  |  | 像素 |
| Temperature |  |  |  |  | 工作温度 |
| Distance |  |  |  |  | 工作距离 |
| Area |  |  |  |  | 工作面积 |
| Battery |  |  |  |  | 电池类型 |
| Angle |  |  |  |  | 工作角度 |
| Installation |  |  |  |  | 安装方式 |
| Load |  |  |  |  | 载重 |
| Screen |  |  |  |  | 屏幕尺寸 |
| Hole\_size |  |  |  |  | 开孔尺寸 |
| Color\_ temperature |  |  |  |  | 色温 |
| Charge\_time |  |  |  |  | 充电时间 |
| Runtime |  |  |  |  | 工作时间 |
|  |  |  |  |  | 保留字段 |
|  |  |  |  |  | 保留字段 |
|  |  |  |  |  | 保留字段 |
|  |  |  |  |  | 保留字段 |
|  |  |  |  |  | 保留字段 |
|  |  |  |  |  | 保留字段 |
|  |  |  |  |  | 保留字段 |
|  |  |  |  |  | 保留字段 |

**15.产品属性值总表t\_property\_value**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| id | Int |  | √ |  | 自动递增 |
| param | varchar | 30 |  |  | 属性值 |
| property\_id | int |  |  |  | 外键关联属性表 |

**16.产品属性值关联表t\_product\_property**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| id | int |  | √ |  | id |
| product\_id | int |  |  |  | 外键关联产品表 |
| param\_id | int |  |  |  | 外键关联属性值表 |

**17.库存表t\_inventory**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| id | int |  | √ |  | 自动递增 |
| product\_id | int |  |  |  | 产品id,外键 |
| number | int |  |  |  | 数量（产品增删时，此字段要随之改变） |
| Reserve1 | Varchar | 30 |  |  | 保留 |
| Reserve2 | varchar | 30 |  |  | 保留 |

**18.入库表t\_product\_in**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段名 | 类型 | 长度 | 主键 | 缺省值 | 备注 |
| id | int |  | √ |  | 自动递增 |
| product\_id | int |  |  |  | 产品id |
| in\_time | timestamp |  |  |  | 入库时间 |
| number | int | 10 |  |  | 进库数量 |
| usefor | varchar | 255 |  |  | 用途：研发、销售、售后 |
| responsible\_person | varchar | 20 |  |  | 责任人 |
| mobile | char | 11 |  |  | 联系电话 |
| storekeeper\_id | int |  |  |  | 仓管id,外键 |

**19.出货表t\_product\_out**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段名 | 类型 | 长度 | 主键 | 缺省值 | 备注 |
| id | int |  | √ |  | 自动递增 |
| product\_id | int |  |  |  | 产品id |
| out\_time | timestamp |  |  |  | 出库时间 |
| number | int | 10 |  |  | 出库数量 |
| usefor | varchar | 255 |  |  | 用途：研发、销售、售后等 |
| responsible\_person | varchar | 20 |  |  | 责任人 |
| mobile | char | 11 |  |  | 联系电话 |
| storekeeper\_id | int |  |  |  | 仓管id |

**20.视频表 t\_video**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段名 | 类型 | 长度 | 主键 | 缺省值 | 备注 |
| id | int |  | √ |  | 自动递增 |
| name | varchar | 30 |  |  | 视频名称 |
| link | varchar | 100 |  |  | 视频链接 |
| add\_time | timestamp |  |  |  | 上传日期 |
| desc | varchar | 100 |  |  | 描述 |
| reserve | varchar | 30 |  |  | 保留 |

**21.产品手册表t\_guide**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段名 | 类型 | 长度 | 主键 | 缺省值 | 备注 |
| id | int |  | √ |  | 自动递增 |
| name | varchar | 20 |  |  | 产品手册名称 |
| link | varchar | 100 |  |  | 产品手册链接 |
| add\_time | timestamp |  |  |  | 上传日期 |
| desc | varchar | 100 |  |  | 描述 |
| reserve | varchar | 30 |  |  | 保留 |

**22.图片表t\_picture**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段名 | 类型 | 长度 | 主键 | 缺省值 | 备注 |
| id | int |  | √ |  | 自动递增 |
| name | varchar | 30 |  |  | 图片名称 |
| link | varchar | 100 |  |  | 图片链接 |
| add\_time | timestamp |  |  |  | 上传日期 |
| desc | Varchar | 100 |  |  | 描述 |
| reserve | varchar | 30 |  |  | 保留 |

**23.常见问题表 t\_question**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段名 | 类型 | 长度 | 主键 | 缺省值 | 备注 |
| id | int |  | √ |  | 自动递增 |
| question | varchar | 255 |  |  | 问题 |
| answer | longtext |  |  |  | 回答 |
| keyword | varchar | 100 |  |  | 关键字索引 |
| reserve | varchar | 30 |  |  | 保留 |