# Table List

|  |  |  |
| --- | --- | --- |
| **Functional classification** | **Table** | **Description** |
| Account Management | user | Account information, such as email,password. |
| profile | Store the specific purchaser information for each customer |
| branch | This table represents the orga nizational structure or branches of the company. |
| branch\_sub\_relation | This table is used to store hierarchical relationships between branches of the company. |
| authority | This table is used to store permission information that can be assigned to roles. |
| authority\_sub\_relation | This table is used to store hierarchical relationships between permissions. |
| role | store the information of each position in the company so we can assign different authorities to each position. |
| role\_to\_authority | This table represents the authorities assigned to each position. |
| staff | Store specific staff information. |
| staff\_to\_role | Each employee has a corresponding position(role). |
| Project&product management | project | Store information about all projects. |
| project\_sub\_relation | This table represents the relationship between the main project and the sub-projects. |
| spu | Store product information. |
| sku | stores the specific type of information for each product, such as size,color. |
| category | Store the type of products, such as ‘top’. |
| inventory | store the specific type(sku) of inventory and the threshold value for each product. |
| cooperation | The table shows which project the product(spu) belongs to, i.e. the relationship between them. |
| Measurement | appointment | Store the appointment information for pickup or measurement |
| record | Store customer's profile measurement records. |
| measurement | Store measurement data related to a customer's profile, including height, weight, before and after photos, and more. |
| Order | customer | Store the customer information. |
| shopping\_cart | Store the information about the customer's shopping cart |
| order | Store the records of the customer's order information |
| order\_product | Store the specific type of product(sku) information of the order record |
| order\_history | Store the historical changes for each order |
| Recommendation | screen\_rule\_model | store the logical rules for the calculation of size recommendation. |

# Specific details of each table

1. Account Management
2. user

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Description** | **Type** | **Can be null** | **Description of value** |
| id | user id(primary key) | UNSIGNED INT | × | AUTO\_INCREMENT |
| password | —— | CHAR(64) | × | —— |
| email | —— | CHAR(64) | √ | Mailbox format |
| created\_time | —— | DATETIME | × | Date format |
| modified\_time | Last modified time | DATETIME | × | Date format |
| is\_verified | Last modified time | TINYINT(1) | × | 0 is false, 1 is true |
| nickname | —— | VARCHAR(16) | √ | —— |

|  |  |  |  |
| --- | --- | --- | --- |
| **Index** | **Constitution** | **Type** | **Description** |
| PRIMARY | id | UNIQUE | Primary key unique index |
| user\_email\_index | email | —— | —— |

1. profile

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Description** | **Type** | **Can be null** | **Description of value** |
| id | Profile id(primary key) | UNSIGNED INT | × | AUTO\_INCREMENT |
| project\_id | Id of the project to which it belongs | UNSIGNED INT | × | A id that exists in the project table |
| user\_id | Id of the user to which it belongs | UNSIGNED INT | × | A id that exists in the user table |
| ENGname | —— | TINYTEXT | √ | —— |
| CHIname | —— | TINYTEXT | √ | Date format |
| gender | —— | CHAR(20) | √ | Man/woman/agender/androgyne, etc. |
| birth | —— | DATE | √ | Date format |
| qr\_quote | —— | TINYTEXT | √ | —— |
| code | —— | VARCHAR(32) | √ | Student number, employee number, etc |

|  |  |  |  |
| --- | --- | --- | --- |
| **Index** | **Constitution** | **Type** | **Description** |
| PRIMARY | id | UNIQUE | Primary key unique index |
| profile\_project\_id\_fk | project\_id | —— | —— |
| profile\_user\_id\_fk | user\_id | —— | —— |

1. branch

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Description** | **Type** | **Can be null** | **Description of value** |
| id | Branch id(primary key) | UNSIGNED INT | × | AUTO\_INCREMENT |
| name | Branch name | VARCHAR(255) | × | —— |
| address | —— | VARCHAR(255) | √ | —— |
| Parent\_id | Branch id Inherited from | UNSIGNED INT | × | A id that exists in the branch table |

|  |  |  |  |
| --- | --- | --- | --- |
| **Index** | **Constitution** | **Type** | **Description** |
| PRIMARY | Id | UNIQUE | Primary key unique index |
| branch\_name\_index | name | —— | —— |

1. branch\_sub\_relation

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Description** | **Type** | **Can be null** | **Description of value** |
| parent\_id | Branch ID Inherited from | UNSIGNED INT | × | A id that exists in the branch table |
| child\_id | Sub-Branch ID | UNSIGNED INT | × | A id that exists in the branch table |

|  |  |  |  |
| --- | --- | --- | --- |
| **Index** | **Constitution** | **Type** | **Description** |
| PRIMARY | parent\_id、child\_id | UNIQUE | Primary key unique index |
| branch\_sub\_relation\_child\_id\_index | child\_id | —— | —— |
| branch\_sub\_relation\_parent\_id\_index | parent\_id | —— | —— |

1. authority

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Description** | **Type** | **Can be null** | **Description of value** |
| id | Authority id(primary key) | UNSIGNED INT | × | AUTO\_INCREMENT |
| name | Authority name | CHAR(20) | × | —— |
| parent\_id | Authority ID Inherited from | UNSIGNED INT | × | A id that exists in the authority table |
| description | Authority description | VARCHAR(255) | √ | —— |

|  |  |  |  |
| --- | --- | --- | --- |
| **Index** | **Constitution** | **Type** | **Description** |
| PRIMARY | Id | UNIQUE | Primary key unique index |
| system\_parent\_name | name、parent\_id | UNIQUE | —— |

1. authority\_sub\_relation

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Description** | **Type** | **Can be null** | **Description of value** |
| parent\_id | Authority ID Inherited from | UNSIGNED INT | × | A id that exists in the authority table |
| child\_id | Sub-Authority ID | UNSIGNED INT | × | A id that exists in the authority table |

|  |  |  |  |
| --- | --- | --- | --- |
| **Index** | **Constitution** | **Type** | **Description** |
| PRIMARY | parent\_id、child\_id | UNIQUE | Primary key unique index |
| authority\_sub\_relation\_authority\_id\_fk2 | child\_id | —— | —— |

1. role

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Description** | **Type** | **Can be null** | **Description of value** |
| id | Role id(primary key) | UNSIGNED INT | × | AUTO\_INCREMENT |
| name | Role name | CHAR(255) | × | —— |
| branch\_id | Id of the branch to which it belongs | UNSIGNED INT | × | A id that exists in the branch table |

|  |  |  |  |
| --- | --- | --- | --- |
| **Index** | **Constitution** | **Type** | **Description** |
| PRIMARY | id | UNIQUE | Primary key unique index |
| role\_pk2 | name、branch\_id | UNIQUE | —— |
| role\_branch\_id\_index | branch\_id | —— | —— |

1. role\_to\_authority

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Description** | **Type** | **Can be null** | **Description of value** |
| role\_id | Role id | UNSIGNED INT | × | A id that exists in the role table |
| authority\_id | The id of the assigned authority | UNSIGNED INT | × | A id that exists in the authority table |

|  |  |  |  |
| --- | --- | --- | --- |
| **Index** | **Constitution** | **Type** | **Description** |
| PRIMARY | role\_id、authority\_id | UNIQUE | Primary key unique index |
| role\_to\_authority\_authority\_id\_index | authority\_id | —— | —— |
| role\_to\_authority\_role\_id\_index | role\_id | —— | —— |

1. staff

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Description** | **Type** | **Can be null** | **Description of value** |
| id | staff id(primary key) | UNSIGNED INT | × | AUTO\_INCREMENT |
| user\_id | Id of the user to which it belongs | UNSIGNED INT | × | A id that exists in the user table |
| name | —— | VARCHAR(255) | √ | —— |
| code | Internal employee number | VARCHAR(32) | √ | —— |
| modified\_time | Last modified time | DATETIME | × | Date format |
| id\_card | —— | CHAR(32) | √ | Personal ID, etc. |

|  |  |  |  |
| --- | --- | --- | --- |
| **Index** | **Constitution** | **Type** | **Description** |
| PRIMARY | id | UNIQUE | Primary key unique index |
| staff\_user\_id\_fk | user\_id | —— | —— |

1. staff\_to\_role

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Description** | **Type** | **Can be null** | **Description of value** |
| staff\_id | —— | UNSIGNED INT | × | A id that exists in the staff table |
| role\_id | assign a role to a staff | UNSIGNED INT | × | A id that exists in the role table |

|  |  |  |  |
| --- | --- | --- | --- |
| **Index** | **Constitution** | **Type** | **Description** |
| PRIMARY | staff\_id、role\_id | UNIQUE | Primary key unique index |
| staff\_to\_role\_role\_id\_fk | role\_id | —— | —— |

1. Project&product management
2. project

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Description** | **Type** | **Can be null** | **Description of value** |
| id | Project id(primary key) | UNSIGNED INT | × | AUTO\_INCREMENT |
| name | Project name | CHAR(255) | × | —— |
| parent\_id | Id of the parent node. If the value is 0, it is the top-level node | UNSIGNED INT | × | A id that exists in the project table |
| partner | Name of partner | CHAR(255) | √ | —— |
| created\_time | —— | DATETIME | × | Date format |
| modified\_time | Any descendant node that is modified will affect this field | DATETIME | × | Date format |
| description | —— | TEXT | × | —— |
| spu\_amount | project and the total number of SPUs contained in its subproject | UNSIGNED INT | √ | DEFAULT 0 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Index** | **Constitution** | **Type** | **Description** |
| PRIMARY | id | UNIQUE | Primary key unique index |
| project\_pk2 | name、parent\_id | UNIQUE | —— |

1. project\_sub\_relation

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Description** | **Type** | **Can be null** | **Description of value** |
| parent\_id | Project ID Inherited from | UNSIGNED INT | × | A id that exists in the project table |
| child\_id | Sub-project ID | UNSIGNED INT | × | A id that exists in the project table |

|  |  |  |  |
| --- | --- | --- | --- |
| **Index** | **Constitution** | **Type** | **Description** |
| PRIMARY | parent\_id、child\_id | UNIQUE | Primary key unique index |
| project\_sub\_relation\_project\_parent\_id\_fk | parent\_id | —— | —— |

1. spu

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Description** | **Type** | **Can be null** | **Description of value** |
| id | Spu id(primary key) | UNSIGNED INT | × | AUTO\_INCREMENT |
| code | —— | CHAR(16) | × | —— |
| type | —— | TINYINT(1) | × | 0 is MTM, 1 is RTW |
| category\_id | Id of the category to which it belongs | UNSIGNED INT | × | A id that exists in the category table |
| name | —— | VARCHAR(255) | √ | —— |
| description | —— | TEXT | √ | —— |
| image\_path\_list | —— | TEXT | √ | Json formatted text |
| size\_chart | —— | TEXT | √ | Json formatted text |
| pattern\_path | —— | VARCHAR(255) | √ | —— |
| standard\_price | —— | FLOAT | √ | Positive number |
| sale\_price | —— | FLOAT | √ | Positive number |
| created\_time | —— | DATETIME | × | Date format |
| modified\_time | Last modified time | DATETIME | × | Date format |
| screen\_rule | Size recommendation rule | TEXT | × | Json formatted text |
| size\_code\_to\_name | The corresponding transformation between size and code | TEXT | × | Json formatted text |
| rule\_name | name of the screen\_rule\_model to which it belongs | VARCHAR(255) | × | —— |

|  |  |  |  |
| --- | --- | --- | --- |
| **Index** | **Constitution** | **Type** | **Description** |
| PRIMARY | id | UNIQUE | Primary key unique index |
| spu\_code | code | UNIQUE | —— |
| spu\_category\_id\_fk | category\_id | —— | —— |

1. sku

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Description** | **Type** | **Can be null** | **Description of value** |
| id | sku id(primary key) | UNSIGNED INT | × | AUTO\_INCREMENT |
| code | —— | CHAR(16) | × | —— |
| spu\_id | Id of the spu to which it belongs | UNSIGNED INT | × | A id that exists in the spu table |
| material | Clothing material | VARCHAR(255) | √ | —— |
| size | —— | VARCHAR(8) | √ | xl、x、s, etc |
| color | —— | VARCHAR(255) | √ | —— |

|  |  |  |  |
| --- | --- | --- | --- |
| **Index** | **Constitution** | **Type** | **Description** |
| PRIMARY | id | UNIQUE | Primary key unique index |
| sku\_pk | material、spu\_id、size、color | UNIQUE | —— |
| sku\_spu\_id\_fk | spu\_id | —— | —— |

1. category

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Description** | **Type** | **Can be null** | **Description of value** |
| id | Category id(primary key) | UNSIGNED INT | × | AUTO\_INCREMENT |
| name | Category name | CHAR(16) | × | Clothing style |

|  |  |  |  |
| --- | --- | --- | --- |
| **Index** | **Constitution** | **Type** | **Description** |
| PRIMARY | id | UNIQUE | Primary key unique index |
| category\_pk2 | name | UNIQUE | —— |

1. inventory

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Description** | **Type** | **Can be null** | **Description of value** |
| branch\_id | Id of the branch to which it belongs | UNSIGNED INT | × | A id that exists in the branch table |
| sku\_id | Id of the sku to which it belongs | UNSIGNED INT | × | A id that exists in the sku table |
| current | The amount in stock | UNSIGNED INT | × | Positive number |
| threshold | If the inventory is lower than this value, the goods will be added | INT | × | Positive number |
| id | Inventory id(primary key) | UNSIGNED INT | × | AUTO\_INCREMENT |

|  |  |  |  |
| --- | --- | --- | --- |
| **Index** | **Constitution** | **Type** | **Description** |
| PRIMARY | id | UNIQUE | Primary key unique index |
| sku\_id | sku\_id、branch\_id | UNIQUE | —— |
| inventory\_branch\_id\_fk | branch\_id | —— | —— |
| inventory\_sku\_id\_index | sku\_id | —— | —— |

1. cooperation

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Description** | **Type** | **Can be null** | **Description of value** |
| project\_id | —— | UNSIGNED INT | × | A id that exists in the project table |
| spu\_id | —— | UNSIGNED INT | × | A id that exists in the spu table |

|  |  |  |  |
| --- | --- | --- | --- |
| **Index** | **Constitution** | **Type** | **Description** |
| PRIMARY | project\_id、spu\_id | UNIQUE | Primary key unique index |
| cooperation\_spu\_id\_fk | spu\_id | —— | —— |

1. Measurement
2. appointment

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Description** | **Type** | **Can be null** | **Description of value** |
| id | Appointment id(primary key) | UNSIGNED INT | × | AUTO\_INCREMENT |
| branch\_id | Id of the branch to which it belongs | UNSIGNED INT | × | A id that exists in the branch table |
| profile\_id | Id of the profile to which it belongs | UNSIGNED INT | × | A id that exists in the profile table |
| day | —— | DATE | × | Date format |
| period | Divide 24h into 15min | INT | × | 0-96 |
| status | —— | INT | × | 0-coming, 1-completed, -1-canceled, -2-timeout |
| note | —— | VARCHAR(255) | √ | —— |

|  |  |  |  |
| --- | --- | --- | --- |
| **Index** | **Constitution** | **Type** | **Description** |
| PRIMARY | Id | UNIQUE | Primary key unique index |
| appointment\_branch\_id\_fk | branch\_id | —— | —— |
| appointment\_profile\_id\_fk | profile\_id | —— | —— |

1. record

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Description** | **Type** | **Can be null** | **Description of value** |
| recordID | Record id | INT | √ | —— |
| userID | Customer\_user id | INT | √ | —— |
| profileID | Profile id | INT | √ | —— |
| mid | —— | INT | √ | —— |
| date | Record time | DATETIME | √ | Date format |

1. measurement

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Description** | **Type** | **Can be null** | **Description of value** |
| mid | Customer id(primary key) | INT | √ | —— |
| profileID | id of the measured profile | INT | √ | —— |
| date | Time of measurement | DATETIME | √ | Date format |
| height | —— | FLOAT | √ | —— |
| weight | —— | FLOAT | √ | —— |
| frontpic | —— | LONGTEXT | √ | —— |
| sidepic | —— | LONGTEXT | √ | —— |
| measureId | —— | TINYTEXT | √ | —— |
| sizes | —— | LONGTEXT | √ | Json formatted text |
| frontProfileBody | —— | LONGTEXT | √ | Json formatted text |
| sideProfileBody | —— | LONGTEXT | √ | Json formatted text |

1. Order
2. customer

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Description** | **Type** | **Can be null** | **Description of value** |
| customer\_id | Customer id(primary key) | UNSIGNED INT | √ | —— |
| phone | Customer’ phone number | CHAR(16) | √ | Legal cell phone number |
| email | Customer’ email | CHAR(64) | √ | Mailbox format |

|  |  |  |  |
| --- | --- | --- | --- |
| **Index** | **Constitution** | **Type** | **Description** |
| customer\_id | customer\_id | UNIQUE | —— |

1. shopping\_cart

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Description** | **Type** | **Can be null** | **Description of value** |
| id | shopping\_cart id(primary key) | UNSIGNED INT | × | AUTO\_INCREMENT |
| sku\_id | Id of the sku to which it belongs | UNSIGNED INT | × | A id that exists in the sku table |
| user\_id | Id of the user to which it belongs | UNSIGNED INT | × | A id that exists in the user table |
| profile\_id | The id of the profile the user order it for | UNSIGNED INT | × | A id that exists in the profile table |
| num | Number of purchases | UNSIGNED INT | × | Positive number |

|  |  |  |  |
| --- | --- | --- | --- |
| **Index** | **Constitution** | **Type** | **Description** |
| PRIMARY | id | UNIQUE | Primary key unique index |
| shopping\_cart\_pk | profile\_id、sku\_id、user\_id | UNIQUE | —— |
| shopping\_cart\_sku\_id\_fk | sku\_id | —— | —— |
| shopping\_cart\_user\_id\_fk | user\_id | —— | —— |

1. order

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Description** | **Type** | **Can be null** | **Description of value** |
| id | order id(primary key) | UNSIGNED INT | × | AUTO\_INCREMENT |
| code | —— | CHAR(32) | × | —— |
| status | —— | CHAR(16) | × | pending, failed, processing, shipped, completed, cancelled |
| user\_id | Id of the user to which it belongs | UNSIGNED INT | × | A id that exists in the user table |
| payment\_method | —— | VARCHAR(64) | √ | Ali pay、WeChat pay, etc. |
| origin | Equipment of order | CHAR(16) | × | Available option: business app / client app / website |
| created\_time | —— | DATETIME | × | Date format |
| modified\_time | Last modified time | DATETIME | × | Date format |
| total\_price | —— | FLOAT | × | Positive number |
| note | Order description | TEXT | √ | —— |

|  |  |  |  |
| --- | --- | --- | --- |
| **Index** | **Constitution** | **Type** | **Description** |
| PRIMARY | id | UNIQUE | Primary key unique index |
| oder\_pk2 | code | UNIQUE | —— |
| oder\_user\_id\_fk | user\_id | —— | —— |

1. order\_product

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Description** | **Type** | **Can be null** | **Description of value** |
| id | order\_product id(primary key) | UNSIGNED INT | × | AUTO\_INCREMENT |
| order\_id | Id of the order to which it belongs | UNSIGNED INT | × | A id that exists in the order table |
| spu\_id | Id of the ordered spu | UNSIGNED INT | × | A id that exists in the spu table |
| profile\_id | The id of the profile the user order it for | UNSIGNED INT | × | A id that exists in the profile table |
| price | —— | FLOAT | × | Positive number |
| num | Number of purchases | UNSIGNED INT | × | Positive number |
| product\_json | Sku list | TEXT | √ | Json formatted text |

|  |  |  |  |
| --- | --- | --- | --- |
| **Index** | **Constitution** | **Type** | **Description** |
| PRIMARY | id | UNIQUE | Primary key unique index |
| order\_product\_order\_id\_fk | order\_id | —— | —— |
| order\_product\_profile\_id\_fk | profile\_id | —— | —— |
| order\_product\_spu\_id\_fk | spu\_id | —— | —— |

1. order\_history

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Description** | **Type** | **Can be null** | **Description of value** |
| id | order\_history id(primary key) | UNSIGNED INT | × | AUTO\_INCREMENT |
| order\_id | Id of the order to which it belongs | UNSIGNED INT | × | A id that exists in the order table |
| summary | Modify operation name | VARCHAR(255) | × | —— |
| detail | Modify operation content | TEXT | √ | —— |
| created\_time | modified time | DATETIME | × | Date format |
| user\_id | Id of the user\_staff who modify this order | UNSIGNED INT | × | A id that exists in the user table |
| company | —— | CHAR(50) | √ | —— |

|  |  |  |  |
| --- | --- | --- | --- |
| **Index** | **Constitution** | **Type** | **Description** |
| PRIMARY | id | UNIQUE | Primary key unique index |
| order\_history\_order\_id\_fk | order\_id | —— | —— |
| order\_history\_user\_id\_fk | user\_id | —— | —— |

1. Recommendation

screen\_rule\_model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Description** | **Type** | **Can be null** | **Description of value** |
| id | Rule id(primary key) | UNSIGNED INT | × | AUTO\_INCREMENT |
| name | Rule name | CHAR(256) | × | —— |
| screen\_rule | Size recommendation rule | TEXT | × | Json formatted text |
| size\_code\_to\_name | The corresponding transformation between size and code | TEXT | × | Json formatted text |

|  |  |  |  |
| --- | --- | --- | --- |
| **Index** | **Constitution** | **Type** | **Description** |
| PRIMARY | id | UNIQUE | Primary key unique index |