# Description

Table Name: user

Description: The table user stores in the values regarding the user that purchases goods

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Fieldname | Datatype | Size | Constraint | Description |
| user\_id | user\_id | varchar  (20) |  | PK | Takes a unique id for every user |
| name | name | varchar  (50) |  |  | Stores the name of the user |
| contact\_num | contact\_num | bigInt |  | Unique | Stores the number of the user |
| city | city | varchar  (20) |  | Default  ‘Ahmedabad’ | Stores city for every user |

Table Name: producer

Description: The table producer stores in the values regarding the producer that produces all the goods

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Fieldname | Datatype | Size | Constraint | Description |
| producer\_id | producer\_id | varchar  (20) |  | PK | Takes a unique id for every producer |
| prod\_  name | prod\_  name | varchar  (50) |  |  | Stores the name of the producer |
| contact | contact | bigInt |  | Unique | Stores the contact number |
| city | city | varchar  (20) |  | Default  ‘Ahmedabad’ | Stores city for every producer |
| area | area | varchar  (20) |  |  | Stores the area for every producer |

Table Name: retailer

Description: The table user stores in the values regarding the retailer that purchases goods from the producer

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Fieldname | Datatype | Size | Constraint | Description |
| retailer\_id | retailer\_  id | varchar  (20) |  | PK | Takes a unique id for every retailer |
| retailer\_name | retailer\_  name | varchar  (50) |  |  | Stores the name of the retailer |
| contact | contact | bigInt |  | Unique | Stores the contact number |
| city | city | varchar  (20) |  | Default  ‘Ahmedabad’ | Stores city for every retailer |
| area | area | varchar  (20) |  |  | Stores the area for every retailer |

Table Name: customer

Description: The table user stores in the values regarding the customer that purchases goods

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Fieldname | Datatype | Size | Constraint | Description |
| cust\_id | cust\_id | varchar  (20) |  | PK | Takes a unique id for every customer |
| cust\_  name | cust\_name | varchar  (50) |  |  | Stores the name of the customer |
| cust\_  contact | cust\_  contact | bigInt |  | Unique | Stores the contact number |
| city | city | varchar  (20) |  | Default  ‘Ahmedabad’ | Stores city for every customer |
| area | area | varchar  (20) |  |  | Stores the area for every customer |

Table Name: category

Description: The table user stores in the values regarding the categories of the goods that have been produced

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Fieldname | Datatype | Size | Constraint | Description |
| c\_id | c\_id | varchar  (20) |  | PK | Takes unique id for each category item |
| category\_type | category\_  type | varchar  (100) |  |  | Stores the type of item |

Table Name: sub\_category

Description: The table user stores in the values regarding the sub-categories of the goods that have been produced

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Fieldname | Datatype | Size | Constraint | Description |
| sc\_id | sc\_id | varchar  (20) |  | PK | Takes unique id for each subcategory item |
| product\_name | product\_  name | varchar  (100) |  |  | Stores the name of the item |
| c\_id | c\_id | varchar  (20) |  | FK (referencing to category  (c\_id)) | Takes unique id for each category item |

Table Name: product\_expense

Description: The table user stores in the values regarding the expenses that occur according to each categories of the produced products

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Fieldname | Datatype | Size | Constraint | Description |
| prod\_id | prod\_id | varchar  (20) |  | PK | Takes unique id for every  product |
| quantity\_purchased | quantity\_  purchased | int |  |  | Stores the quantity that is purchased |
| date\_of\_purchase | date\_of\_  purchase | date |  | Can be null | Stores the date of a purchase |
| time\_of\_purchase | time\_of\_  purchase | time |  | Can be null | Stores the time of a purchase |
| unit\_  price | unit\_  price | float |  |  | Stores the price of a single unit |
| total\_  amount | total\_  amount | bigInt |  |  | Stores the total amount of the purchase |
| p\_id | p\_id | varchar  (20) |  | FK (referencing to producer (producer\_id)) | Takes id of the producer |
| sc\_id | sc\_id | varchar  (20) |  | FK (referencing to sub\_category(sc\_id)) | Takes id of the subcategory item |
| user\_id | user\_id | varchar  (20) |  | FK (referencing to user  (user\_id)) | Takes id of the user |

Table Name: stock\_manage

Description: The table user stores in the values regarding the stock management, whether it needs to be reordered or the stock at any moment is sufficient or not

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Fieldname | Datatype | Size | Constraint | Description |
| quantity\_on\_  hand | quantity\_  on\_hand | int |  | FK | Stores the quantity on hand, at a particular moment |
| reorder\_level | reorder\_  level | int |  |  | Stores the cut-off level for goods, that need to be reordered |
| sc\_id | sc\_id | varchar  (20) |  | FK (referencing to sub\_  category (sc\_id)) | Takes unique id for each subcategory item |

Table Name: income

Description: The table user stores in the values regarding the income that comes in, with every purchase of the goods

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Fieldname | Datatype | Size | Constraint | Description |
| id | id | int |  | PK | Takes  unique id for every  product |
| quantiy\_sold | quantity\_sold | int |  |  | Stores the quantity that is sold |
| bill\_  date | bill\_date | date |  | Can be null | Stores the date of the bill |
| bill\_  time | bill\_time | time |  | Can be null | Stores the time of the bill |
| unit\_  sp | unit\_  sp | float |  |  | Stores the price of a single unit |
| payable\_amount | payable\_amount | bigInt |  |  | Stores the final payable amount |
| r\_id | r\_id | varchar  (20) |  | Can be null  FK (referencing to producer (producer\_id)) | Takes id of the producer |
| sc\_id | sc\_id | varchar  (20) |  | FK (referencing to sub\_category(sc\_id)) | Takes id of the subcategory item |
| cust\_id | cust\_id | varchar  (20) |  | Can be null  FK (referencing to customer  (cust\_id)) |  |
| user\_id | user\_id | varchar  (20) |  | FK (referencing to user  (user\_id)) | Takes id of the user |