

Function No	Function name	Priority	Target user	How to use	User benefit
1	Commodity association prediction	high	Manager	<p>Firstly user input the name or the id of a commodity.</p> <p>Then user can get all the associated commodities of the commodity based on the prediction of past data</p>	User can easily know the degree of association between the commodities, and can make decision to put commodities with the high degree of association together so that customers can easily get multiple commodities that they all want. And Doing so will greatly increase the sales of the commodity.
2	Sales volume prediction	high	Manager	<p>Firstly user input the name or the id of a commodity.</p> <p>Then user can get the predicted sales volume for the commodity this year according to the sales data of past years.</p>	User can get the predicted sales volume of each commodity this year. Doing so can help user arrange the procurement amount of each commodity.
3	Commodity price prediction	high	Manager	<p>Firstly user can input the name of a commodity.</p> <p>Then user can get the prediction price of the commodity this year according to the price data of past years.</p>	User can easily know the predicted price of every commodity. Doing so can help user set the reasonable price for each commodity according to the predicted commodity price.
4	Expired commodity reminder	high	Manager	<p>Firstly user can set alert time of commodities that are about to expire so that the system can remind user to deal with these commodities before expiration.</p> <p>Then user can get the list of commodities that are about to expire.</p>	User can easily know all the commodities that are about to expire, so that user can make decisions to how to deal with these commodities before expiration.

5	Commodity search	low	Manager	<p>Firstly user input a search query. The query can contain the name of commodity, the position of commodities, and so on.</p> <p>Then user can get the summary information result list of commodities that meets the search query.</p>	User can easily get the commodity list of meeting the search query. Doing so can help user quickly find commodities that they need.
6	Commodity information import	high	Manager	<p>Firstly user input the commodity information containing the number, the unit price, the name, the position in the supermarket and so on.</p> <p>Then user can save the commodity information.</p>	User can easily save the commodity information into the system so that the system can help user more easily manage commodities.
7	Remaining commodity query	high	Manager	<p>Firstly user input the name or id of the commodity</p> <p>Then user can get the remaining amount of the commodity</p>	User can easily know the remaining amount of the commodity so that user can make decisions how many need to purchase this commodity in the next procurement time.
8	Orders query	low	Manager	<p>Firstly user select the time period.</p> <p>Then user can get the orders record list and the sum of sales amount during that period.</p>	User can easily know the consumption of customers and this will help user to make decisions how to arrange the sales in the future.
9	Supermarket query	low	Manager	<p>Firstly user can select a supermarket in the list of all the supermarket of different position in this company.</p> <p>Then user can view the detail information of the supermarket.</p>	Because there are many supermarkets in this big company, the user need to know the detail information of every supermarket of different regions. Doing so can make user easily know how to operate and adjust so many supermarkets.

10	Supplier query	low	Manager	<p>Firstly user can input the name of a supplier.</p> <p>Then user can get all the detail information of the supplier.</p>	User can easily know the detail information of every supplier. User can know how many commodities the company purchases from one supplier. User can also know how many types of commodities the company purchases from one supplier. Doing so can help user develop a better procurement strategy.
11	Employee attendance status	low	Manager	<p>Firstly user can input the name of an employee and select a period.</p> <p>Then user can get the attendance status of the employee during that period.</p>	User can easily know the attendance status of each employee. Doing so can help user evaluate every employee performance.
12	Commodity sales trends	low	Manager	<p>Firstly user can input the name of a commodity and select a period.</p> <p>Then user can get the trends of the commodity during that period.</p>	User can know the sales trends of every commodity. Doing so can help user control the number of this commodity purchased, and help user reduce costs.
13	Performance status query	low	All employees	<p>Firstly user can select a period.</p> <p>Then user can get his/her own performance details every month during that period.</p>	User can easily know his/her own performance details every month so that user can make decisions how to behave better.
14	Salary status query	low	All employees	<p>Firstly user can select a period.</p> <p>Then user can get his/her own salary status every month during that period.</p>	Make user easily know his/her own salary status every month. And it also helps user clearly know their workload.

15	Purchase commodity of	high	Manager	<p>Firstly user can select a period.</p> <p>Then user can get the list of the purchase details of every commodity in every purchase during that period.</p>	<p>Make user easily know the purchase details for commodities in every purchase. Doing so can help user make decisions how to arrange a better procurement strategy in the next purchase.</p>
16	Revenue and expenditure status	high	Manager	<p>Firstly user can input the name of a supermarket and select a period.</p> <p>Then user can get revenue and expenditure status about that supermarket during that period.</p>	<p>User can easily get revenue and expenditure status. Doing so can help user know the status of every supermarket and help user make next step to improve the revenue for every supermarket.</p>
17	Personnel query	low	Manager	<p>Firstly user can input the name of an employee.</p> <p>Then user can get the detail information of the employee.</p>	<p>User can easily know the summary information of an employee so that user can better organize the work for that employee.</p>
18	Order generation	high	Casher	<p>Firstly user scans every commodity that the customer purchases.</p> <p>Then user get the total amount of all commodities. And then user will ask whether the customer is a member of this supermarket.</p> <p>If the customer is a member, the user will input the id of the customer or scan the membership card of the customer and give the customer a discount.</p> <p>Finally the user generates the order from the system.</p>	<p>User can avoid the human mistake of calculating total price. Also user can save time for the purchase process and improve the customer's satisfactions</p>

19	Member registration	high	Casher	<p>Firstly user ask whether the customer wants to be a member of this supermarket.</p> <p>If the customer wants to be a member, the user will ask the customer some information such as the name, the phone number, the id card number.</p> <p>The user input this information into the system, and system will record this customer as a member.</p>	User can easily register the customer as a member of the supermarket. Doing so will simplify the registration process and make the customer more satisfied.
20	Discount promotion	high	Manager	<p>First user select some commodities.</p> <p>Then user set the amount of discount for every selected commodities.</p>	User can easily set the amount of discount for the commodity.
21	Discount commodity query	high	Manager	<p>First user input the name of a commodity.</p> <p>Then user can get the amount of discount for this commodities.</p>	User can easily know the amount of discount for the commodity. Doing so can help user develop a better discount promotion strategy.

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