

CIS 451/551 Final Project

Fall 2018

Name: Qianyi Feng

project URL: <http://ix.cs.uoregon.edu/~qfeng/welcome.html>

Connection information:

port number: 3565

guest account login/password: guest/guest

database name:market

Project title: Online market management system

Table of contents:

Items, stock of the items, companies that make the items, classification of the items(food, daily necessities, book, household items)

Customers, orders that customers made, customer membership, the discount with the membership status.

Summary:

This database simulates the database of an online shopping website. The users are the stuff of the website that managing the stocks and the orders of the item, the companies that produce items, and the customers who are shopping through the website.

Logical design: See the diagram at the last page.

List of applications:

The database has 5 applications for the stuff:

Check the stock for items: Looking at the current stock number of items.

Find the orders: Looking at the order and shipping status.

Look at the location for the item: Looking at the location of an item that stored in the stock.

Check the membership for a customer: Looking at the customer information and the membership.

List the item in location: Lists all of the items and the producer information in the given location.

Physical design and contents of tables: Because the mysql version does not support exporting data with mysqldump ,therefor the tables would be list below with the screenshot form.

Items:

	item_num	item_name	item_price	class_id	stock_id	company_id
▶	1	Orange	1.99	1	1	1
	2	Apple	1.99	1	2	1
	3	Cabbage	0.99	1	3	1
	4	Biscuit O	4.99	1	4	5
	5	Melatonin	7.99	6	5	16
	6	Lens cleaning...	6.99	8	6	10
	7	BBQ grill tools	23.99	7	7	9
	8	Break	14.99	9	8	12
	9	ARMRA Silver...	9.99	11	9	13
	10	Lee's T-shirts	28.99	2	10	2
	11	Vulli Sophie la...	24.00	4	11	4
	12	Franklin Basket...	36.99	3	12	3
	13	Lego's Van Set	42.99	4	13	6
	14	Cat Mate Pet F...	27.50	5	14	7
	15	Baby Food Maker	39.00	4	15	8
	16	Alienware Gam...	1749.99	8	16	10
	17	Dove Shampoo	12.99	6	17	11
	18	Assasin's Cree...	35.99	9	18	12
	19	Car care kit	9.99	12	19	14
	20	Database Man...	18.99	10	20	15
	NULL	NULL	NULL	NULL	NULL	NULL

Stock:

	stock_id	stock_num	description	classification_id
▶	1	200	Fruits	1
	2	300	Fruits	1
	3	100	Vegetables	1
	4	200	Biscuits	1
	5	100	medicine	6
	6	500	Electronic equipment	8
	7	100	tool	3
	8	200	album	9
	9	300	jewlery	11
	10	200	clothing	2
	11	50	Toy	4
	12	100	sports	3
	13	500	toy	4
	14	200	pets stuff	5
	15	80	baby stuff	4
	16	10	laptop	8
	17	500	shampoo	6
	18	200	game	9
	19	100	automative kit	12
	20	50	book	10
	NULL	NULL	NULL	NULL

Company:

[illegible]

Classification:

	class_id	class_name	location
▶	1	food & grocery	A
	2	clothing	B
	3	sports&outdoors	C
	4	toys&baby	D
	5	pet supplies	E
	6	beauty&health	F
	7	tools	G
	8	electronics	H
	9	movies, music&games	I
	10	books	J
	11	jewelry	K
	12	automotive&industrial	L
	HULL	HULL	HULL

Customers:

[illegible]

Orders:

order_id	ship_status	ship_address	earned_points	customer_id	item_id	total_price	item_number
1	1	1180 Willamette ST	39	2	1	39.8000	20
2	1	9A Magolia Court	9	4	3	9.9000	10
3	1	7978 Birchpond St	7	6	5	7.9900	1
4	0	24 Brook ST	23	8	7	23.9900	1
5	0	265E River Dr.	9	10	9	9.9900	1
6	0	45 Rockaway Ave.	24	12	11	24.0000	1
7	1	65 Littleton St	42	14	13	42.9900	1
8	1	296 Campfire Drive	39	16	15	39.0000	1
9	0	21 Moore St	12	18	17	12.9900	1
10	0	259E River St	9	20	19	9.9900	1
11	1	1200 Vie St	39	1	2	39.8000	20
12	1	7777 Johnson St	9	3	4	9.9800	2
13	1	8171 Rockledge Ave	6	5	6	6.9900	1
14	0	5 Summit St	14	7	8	14.9900	1
15	1	7118 Wayne Court	28	9	10	28.9900	1
16	0	552A Linden Drive	36	11	12	36.9900	1
17	1	9003 Henry St	27	13	14	27.5000	1
18	0	8244 West Arnold...	1749	15	16	1749.9900	1
19	0	19 Border Drive	35	17	18	35.9900	1
20	0	9276 Clinton St	18	19	20	18.9900	1
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Membership:

mem_card_id	expired_date	opened_date	mem_discount_status
1	2020-01-01 00:00:00	2017-02-23 00:00:00	gold
2	2020-01-01 00:00:00	2018-01-23 00:00:00	gold
3	2019-01-01 00:00:00	2018-03-29 00:00:00	gold
4	2020-01-01 00:00:00	2017-08-14 00:00:00	silver
5	2020-01-01 00:00:00	2018-01-08 00:00:00	silver
6	2020-01-01 00:00:00	2018-05-23 00:00:00	silver
7	2020-01-01 00:00:00	2016-11-20 00:00:00	bronze
8	2019-01-01 00:00:00	2017-07-27 00:00:00	bronze
9	2019-01-01 00:00:00	2018-10-21 00:00:00	bronze
10	2020-01-01 00:00:00	2017-09-02 00:00:00	bronze
11	2020-01-01 00:00:00	2017-10-02 00:00:00	silver
12	2020-01-01 00:00:00	2017-11-12 00:00:00	bronze
13	2020-01-01 00:00:00	2018-01-20 00:00:00	bronze
14	2020-01-01 00:00:00	2016-12-21 00:00:00	bronze
15	2020-01-01 00:00:00	2018-01-29 00:00:00	bronze
16	2020-01-01 00:00:00	2018-01-01 00:00:00	silver
17	2020-01-01 00:00:00	2017-05-07 00:00:00	bronze
18	2020-01-01 00:00:00	2018-01-01 00:00:00	silver
19	2021-01-01 00:00:00	2015-09-21 00:00:00	bronze
20	2021-01-01 00:00:00	2018-09-21 00:00:00	gold
NULL	NULL	NULL	NULL

Membership discount:

mem_status	discount
bronze	0.70
gold	0.80
silver	0.90
NULL	NULL

User's guide:

1. Go to the welcome.html
2. Click the function you want to use.
3.
 1. For function1, enter the exact name of the items to search the data(using the *items* table with *item_name*).
 2. For function2, enter the order number to search the data(1 to 20)
 3. For function3, enter the exact name of the items to search the data(using the *items* table with *item_name*).
 4. For function4, enter the customer id to search the data(1 to 20).
 5. For function5, enter the location code to search the data(A to L).

Implementation code: See the attach link on the html page.

Conclusion:

I have done the basic requirements with the database building, tables creating and data inserting, and the 5 applications. If I had more time, I would make the html files more fancier.