### CIS 451/551 Final Project

Fall 2018

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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
<b></b>	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:

company_id	company_name	address1	address2	contact_number	city	state	classification_id	zip_code
1	James' Farm	481 South Be	NULL	2112931823	Erlanger	KY	1	41018
2	Lee's Clothing	69 Mayfield L	NULL	2129921123	Key West	FL	2	33040
3	Sports stuff	7929 NE. Van	NULL	3410928839	Parlersburg	WV	3	26101
4	Toy Stuff	652 Peninsula	NULL	2549823423	Fleming Island	FL	4	32003
5	Mary's Food	761 N.ST Lou	NULL	8278839928	Eastlake	ОН	1	44095
6	Nancy's Toys	2 NE. Third Dr.	NULL	2319920310	Buford	GA	4	30518
7	Good Pets	21 William Ave.	NULL	5467289183	Marlton	NJ	5	23144
8	Mom's Love	7821 San Pa	NULL	2314456677	Canton	GA	4	30114
9	Useful Tools	9673 Sage St.	NULL	6478839218	Trumbell	CT	7	23145
10	Dell	439 Warren	NULL	4149583502	Goodlettsville	TN	8	37072
11	Clean Everyday	650 Charles	NULL	2498174234	Melbourne	FL	6	31902
12	Game Stop	31 Sheffield A	NULL	1493245823	Ladson	SC	9	29013
13	Good Jewelry	233 Washingt	NULL	4129829482	Coram	NY	11	11821
14	Mell Automative	740 Overloot St	NULL	3242567342	Piedmont	SC	12	29764
15	Books Read	324 Harrison St	NULL	3424523113	Franklin	MA	10	48071
16	Spring Valley	112 Lweis St	NULL	2415982375	Franklin	Ma	6	48092
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

## Classification:

class_id	class_name	location
<b>1</b>	food & grocery	Α
2	clothing	В
3	sports&outdoors	С
4	toys&baby	D
5	pet supplies	E
6	beauty&health	F
7	tools	G
8	electronics	Н
9	movies, music&games	I
10	books	J
11	jewelry	K
12	automotive&industrial	L
NULL	NULL	NULL

## Customers:

customer_id	fname	Iname	phone_number	email	points	address1	address2	city	state	membership_mem_card_id	zip_code
1	Adam	Smith	5418990020	asmith@gmail.com	240	1200 Vie St	Room 213	Eugene	OR	16	97401
2	Mary	Jones	5419902291	bjones@gmail.com	1290	1180 Willamette ST	Unit 1234	Eugene	OR	7	97401
3	Maria	Miller	6278890008	mmiller@gmail.com	2300	7777 Johnson ST	Room 99	Janesville	WI	4	0
4	Susan	Wilson	6265467765	swilson@gmail.com	890	9A Magnolia Court	Unit 213	Hephzibah	GA	12	30736
5	Chris	Moore	8213345543	cmoore@gmail.com	1233	8171 Rockledge Ave	Unit 229	Riverdale	GA	8	30736
6	Linda	Taylor	4453247765	Itaylor@gmail.com	290	7978 Birchpond ST	NULL	Fallriver	ОН	13	45385
7	Rita	Lee	2113331234	rlee@yahoo.com	1902	5 Summit ST	NULL	La Vergne	TX	9	75115
8	Lime	Lewis	9198827164	llewis@gmail.com	390	24 Brook ST	Unit 201	Kokomo	OH	14	45385
9	Ruth	Clark	2628871958	rclark@yahoo.com	232	7118 Wayne Court	NULL	Euless	LA	19	26002
10	Kate	Smith	5489280582	ksmith@uoregon.e	425	256 E. River Dr.	NULL	Ringgold	LA	15	26003
11	Anna	Hill	8279594783	ahill@yahoo.com	2233	552A Linden Drive	NULL	Winchester	CA	5	95820
12	Jean	Bill	2345325663	jbill@gmail.com	112	45 Rockaway Ave	NULL	Whitestone	CA	3	95820
13	Rose	Howard	9827852935	rhoward@uoregon	1239	9003 Henry ST	Room 231	Lapeer	AL	10	21771
14	Julia	Potter	8725938257	jpotter@uoregon.edu	786	65 Littleton ST	NULL	Sacramento	CA	2	95821
15	Tracy	Moore	9205837528	tmoore@yahoo.com	569	8244 West Arnold Ave	NULL	Xenia	OH	18	49426
16	Light	Gray	8237582395	Igraystone@gmail	2341	296 Campfire Drive	NULL	Springboro	MI	6	48331
17	Steven	Jones	2857382925	sjones@yahoo.com	290	19 Border Drive	NULL	Commack	NJ	20	7023
18	Mary	Lee	2935823952	mlee@uoregon.edu	2517	21 Moore ST	NULL	Springfield	NJ	11	7024
19	Cathy	Ray	3928857829	cray@yahoo.com	3400	9276 Clinton St	NULL	Muscatine	IA	1	52761
20	Adams	Wilson	2349582375	awilson@yahoo.com	2310	259 E River Dr	NULL	Ringgold	GA	17	30736
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

## 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	HULL	NULL	NULL	NULL	NULL	NULL

# Membership:

mem_card_i	d 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	
<b></b>	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.