

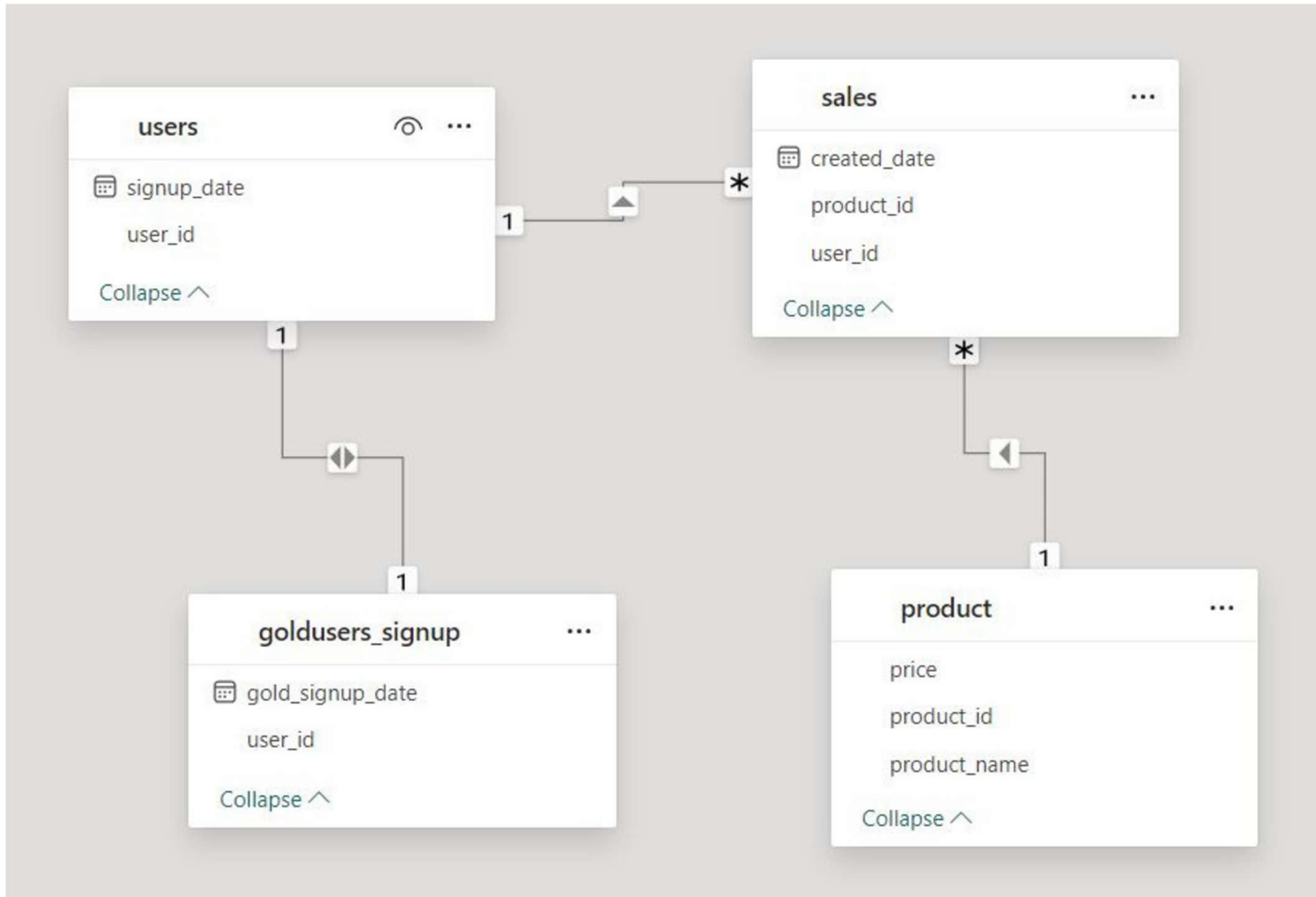


Zomato SQL Project

Overview of Tables

goldusers_signup		users		sales			product		
user_id	gold_signup_date	user_id	signup_date	user_id	created_date	product_id	product_id	product_name	price
1	9/22/2017	1	9/2/2014	1	4/19/2017	2	1	p1	980
3	4/21/2017	2	1/15/2015	3	12/18/2019	1	2	p2	870
		3	4/11/2014	2	7/20/2020	3	3	p3	330
				1	10/23/2019	2			
				1	3/19/2018	3			
				3	12/20/2016	2			
				1	11/9/2016	1			
				1	5/20/2016	3			
				2	9/24/2017	1			
				1	3/11/2017	2			
				1	3/11/2016	1			
				3	11/10/2016	1			
				3	12/7/2017	2			
				3	12/15/2016	2			
				2	11/8/2017	2			
				2	9/10/2018	3			

Zomato Database Structure





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No limit



Query

Query History

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```
-- 1. What is the total amount each customer spent on Zomata? --
```

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```
SELECT a.user_id, SUM(b.price) AS total_amount_spent
```

64

```
FROM sales a
```

65

```
INNER JOIN product b
```

66

```
ON a.product_id = b.product_id
```

67

```
GROUP BY a.user_id
```

68

```
ORDER BY a.user_id
```

69

70

Data Output




Messages

Notifications



SQL

	user_id integer		total_amount_spent bigint
1	1		5230
2	2		2510
3	3		4570

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Query Query History

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79

```
-- 2. How many days has each customer visied zomato? --
```

```
SELECT user_id, COUNT(DISTINCT created_date) AS distinct_days
FROM sales
GROUP BY user_id
ORDER BY user_id
```

Data Output Messages Notifications



	user_id integer	distinct_days bigint
1	1	7
2	2	4
3	3	5

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No limit

Query Query History

96
97
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109

-- 4. What is the most purchased item on the menu and how many times was it purchaesd by all customers? --

```
SELECT
    product_id,
    COUNT(*) AS total_purchases
FROM
    sales
GROUP BY
    product_id
ORDER BY
    total_purchases DESC
LIMIT 1;
```

Data Output Messages Notifications

	product_id integer	total_purchases bigint
1	2	7



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Query Query History

110 -- 5. Which item was the most popular for each customer? --

111

112 **WITH** purchase_counts **AS** (
113 **SELECT**
114 user_id,
115 product_id,
116 **COUNT**(*) **AS** purchase_count
117 **FROM**
118 sales
119 **GROUP BY**
120 user_id, product_id
121),
122 ranked_purchases **AS** (
123 **SELECT**
124 user_id,
125 product_id,
126 purchase_count,
127 **RANK**() **OVER** (**PARTITION BY** user_id **ORDER BY** purchase_count **DESC**) **AS** rank
128 **FROM**
129 purchase_counts
130)
131 **SELECT**

Data Output Messages Notifications

SQL

	user_id integer	product_id integer	purchase_count bigint
1	1	2	3
2	2	3	2
3	3	2	3

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No limit

Query Query History

139
140 SELECT * FROM sales;
141 SELECT * FROM product;
142 SELECT * FROM goldusers_signup;
143 SELECT * FROM users;
144
145 -- 6. Which item was purchased first by the customer after they became a member? --
146
147 ✓ SELECT * FROM
148 (SELECT c.*,RANK() OVER(PARTITION BY user_id ORDER BY created_date) AS rnk FROM
149 (SELECT a.user_id,a.created_date,a.product_id,b.gold_signup_date
150 FROM sales a
151 INNER JOIN goldusers_signup b
152 ON a.user_id = b.user_id
153 AND created_date>=gold_signup_date) c) d WHERE rnk=1;
154

Data Output Messages Notifications

SQL

	user_id integer	created_date date	product_id integer	gold_signup_date date	rnk bigint
1	1	2018-03-19	3	2017-09-22	1
2	3	2017-12-07	2	2017-04-21	1



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No limit



Query Query History

154

155

156

157 ✓

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163

164

```
-- 7. Which item was purchased just before the customer became a member? --
```

```
SELECT * FROM  
(SELECT c.*, RANK() OVER(PARTITION BY user_id ORDER BY created_date DESC) AS rnk FROM  
(SELECT a.user_id, a.created_date, a.product_id, b.gold_signup_date  
FROM sales a  
INNER JOIN goldusers_signup b  
ON a.user_id = b.user_id  
AND created_date <= gold_signup_date) c ) d WHERE rnk=1;
```




Data Output Messages Notifications






SQL

	user_id integer	created_date date	product_id integer	gold_signup_date date	rnk bigint
1	1	2017-04-19	2	2017-09-22	1
2	3	2016-12-20	2	2017-04-21	1





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No limit



E



Query Query History

```
164
165 -- 8. What is the total orders and amount spent form each member before they became a member? --
166
167 ✓ SELECT user_id,COUNT(created_date) AS total_orders ,SUM(price) AS amount_spent FROM
168 (SELECT c.*,d.price FROM
169 (SELECT a.user_id,a.created_date,a.product_id,b.gold_signup_date
170 FROM sales a
171 INNER JOIN goldusers_signup b
172 ON a.user_id = b.user_id
173 AND created_date<=gold_signup_date) c INNER JOIN product d
174 ON c.product_id = d.product_id) e
175 GROUP BY user_id ORDER BY amount_spent DESC;
176
177
```

Data Output Messages Notifications



SQL

	user_id integer	total_orders bigint	amount_spent bigint
1	1	5	4030
2	3	3	2720

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Query Query History

177

SELECT * FROM sales;

178

179

-- 9. Rank all the transaction of the customers? --

180

181

SELECT * , RANK() OVER(PARTITION BY user_id ORDER BY created_date) AS RNK

182

FROM sales;

Data Output Messages Notifications

SQL

	user_id integer	created_date date	product_id integer	rnk bigint
1	1	2016-03-11	1	1
2	1	2016-05-20	3	2
3	1	2016-11-09	1	3
4	1	2017-03-11	2	4
5	1	2017-04-19	2	5
6	1	2018-03-19	3	6
7	1	2019-10-23	2	7
8	2	2017-09-24	1	1
9	2	2017-11-08	2	2
10	2	2018-09-10	3	3
11	2	2020-07-20	3	4
12	3	2016-11-10	1	1
13	3	2016-12-15	2	2
14	3	2016-12-20	2	3
15	3	2017-12-07	2	4
16	3	2019-12-18	1	5

Total rows: 16 of 16 Query complete 00:00:00.119



Thank You So Much

