

Star schema



## Dimension table

### Order-info

order-id  
order-date  
items-list  
cus-id  
items-no  
order-city  
order-it-type

## Dimension Table

### Payment

trans-id  
trans-cost  
order-id  
pay-mode  
order-it-type

### Fact table

#### Order-details

order-id  
trans-id  
cus-id  
farmer-id  
or-it-type

## Dimension Table

### Customers

cus-id  
cus-name  
cus-mob  
cus-mail

## Dimension Table

### Farmers

Farmer-id  
Farmer-name  
Farmer-mob  
Farmer-items-produced

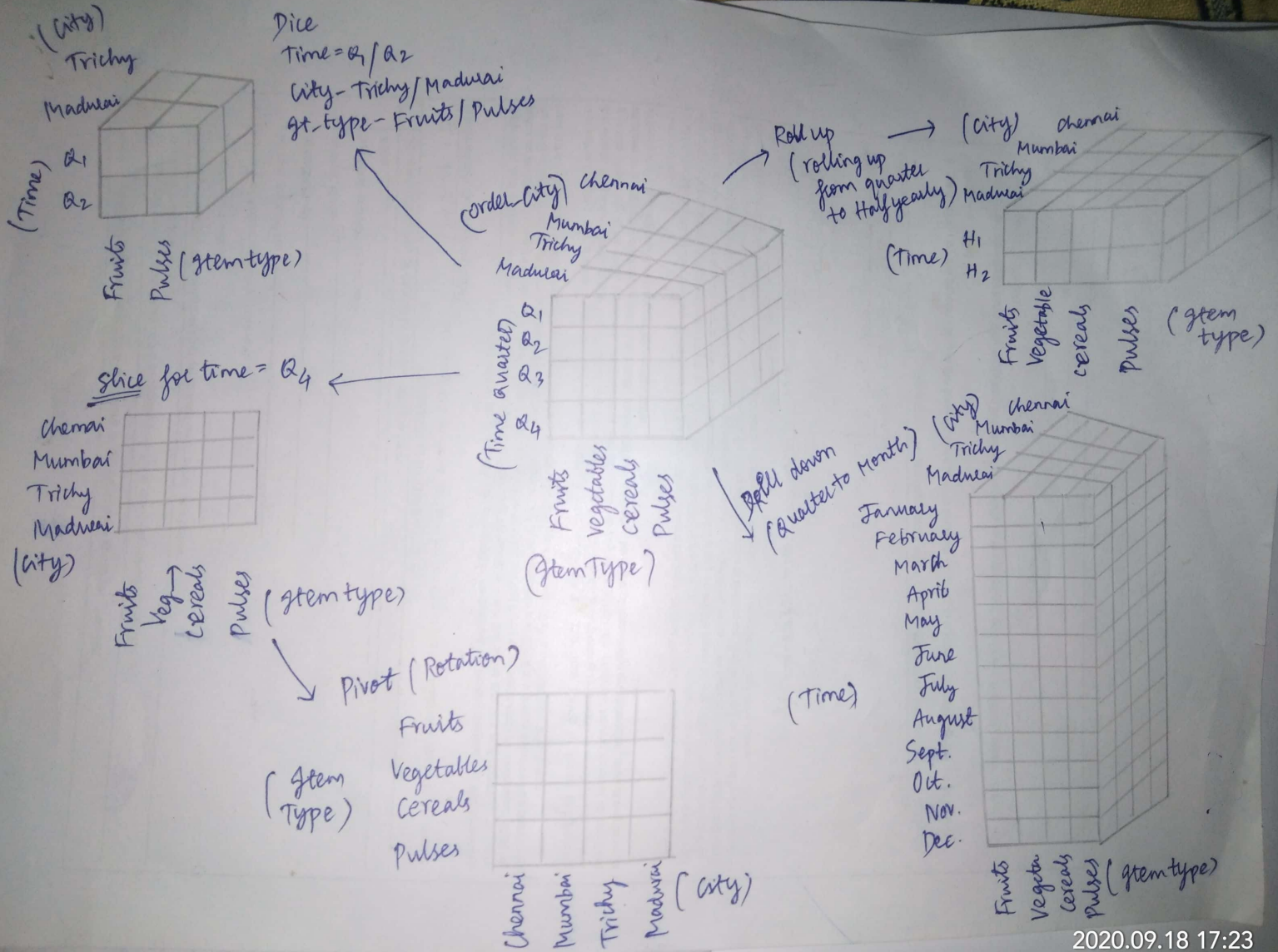
### Fact table

#### Shipping

Agency-id  
dis-id  
farmer-id  
cus-id

GALAXY SCHEMA





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## OLAP

1. To get the cost of orders placed in ~~the~~ each particular <sup>July</sup> month w.r.t to item type.

Operations: ~~Roll~~ drill down from Quarter to Month  
Slice for the month 'July'

Query:

```
select or-item-type, sum(trans-cost)
from order-info, payment where month="July"
group by order-item-type
```

2. To get the no. of orders placed in the ~~month~~ year 2019.

Operations: Roll up from Quarter to year  
Slice for the year 2019.

~~select~~

3. To get the item-type which is sold maximum in each month in Trichy

Operations: Drill down from Quarter to month ~~year~~

Slice for the city Trichy



4. To list the order placed in the first two quarters with item type = "Cereals".

Operations :

Filter for time = Quarter 1 and Quarter 2

slice for item-type = "Cereals".

5. To list the <sup>Number of</sup> Cash on delivery orders placed in each Month. in Mumbai

Operations :

Drill down from Quarter to year

slice for city = "Mumbai"

Group by ordering month.