



Data warehousing and BI systems

Drone delivery service

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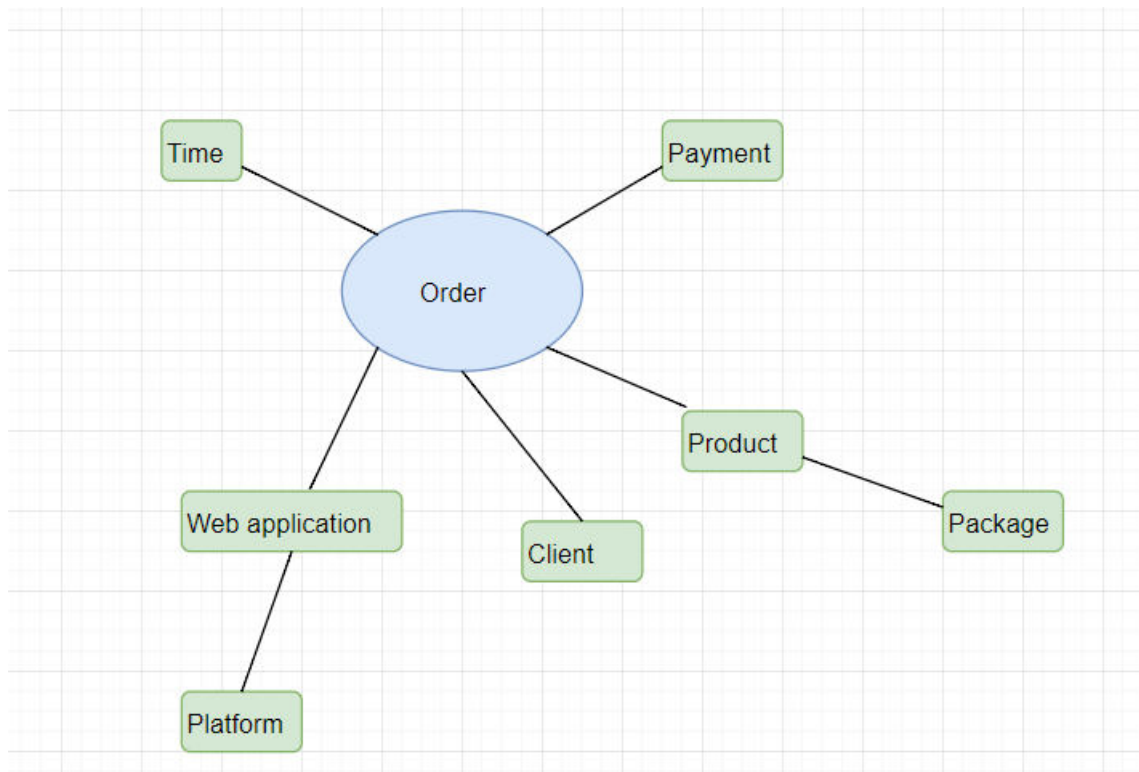
I. The aims of data warehouse implementation

The aim of implementing a data warehouse in our drone delivery service reality is to collect data such as sales, the deliveries made by drones and data from the drones themselves. Data such as this is invaluable as it can help make better management decisions and see which parts of the company need improvement.

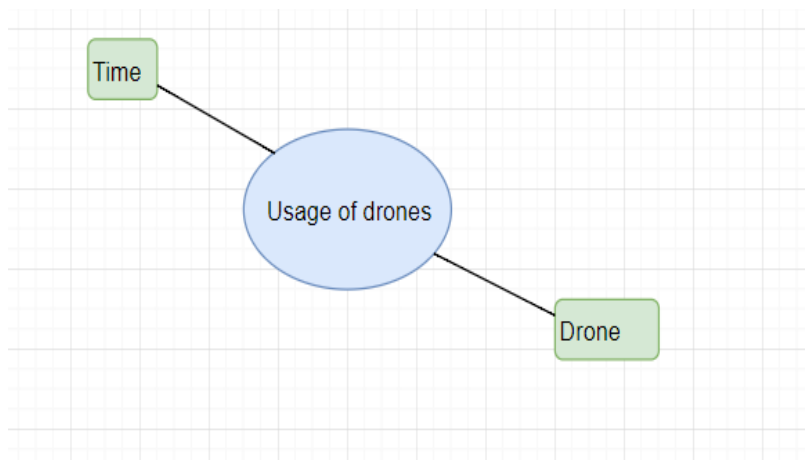


II. Conceptual model of data warehouse

Drone delivery service ORDER fact. Dimensions : Payment, Time, Client, Product, Web application

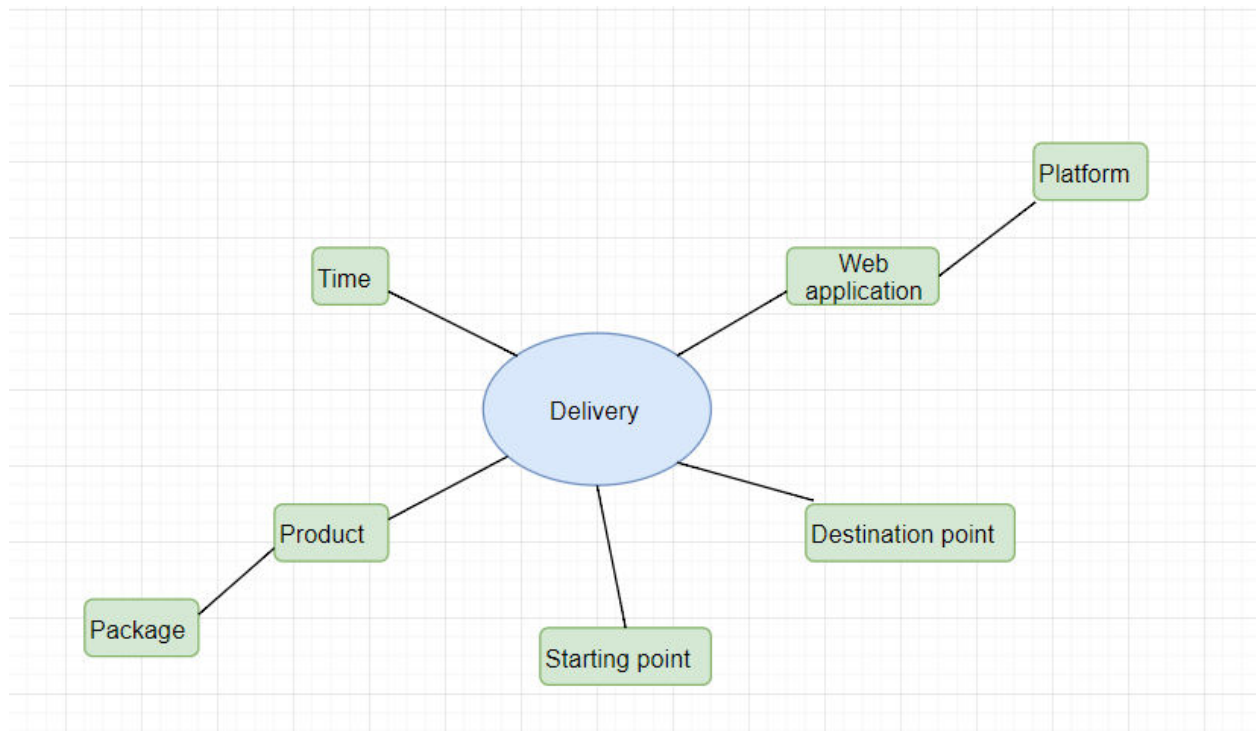


Drone delivery service USAGE OF DRONES fact. Dimensions : Time, Drone





Drone delivery service DELIVERY fact. Dimensions : Time, Web application, Destination point, Starting point, Product





Facts and measures

Order

- Estimated order value
- Weight of order
- Average order time

Delivery

- Total distance delivered
- Shortest delivery distance
- Longest delivery distance
- Time of delivery
- Average time of delivery

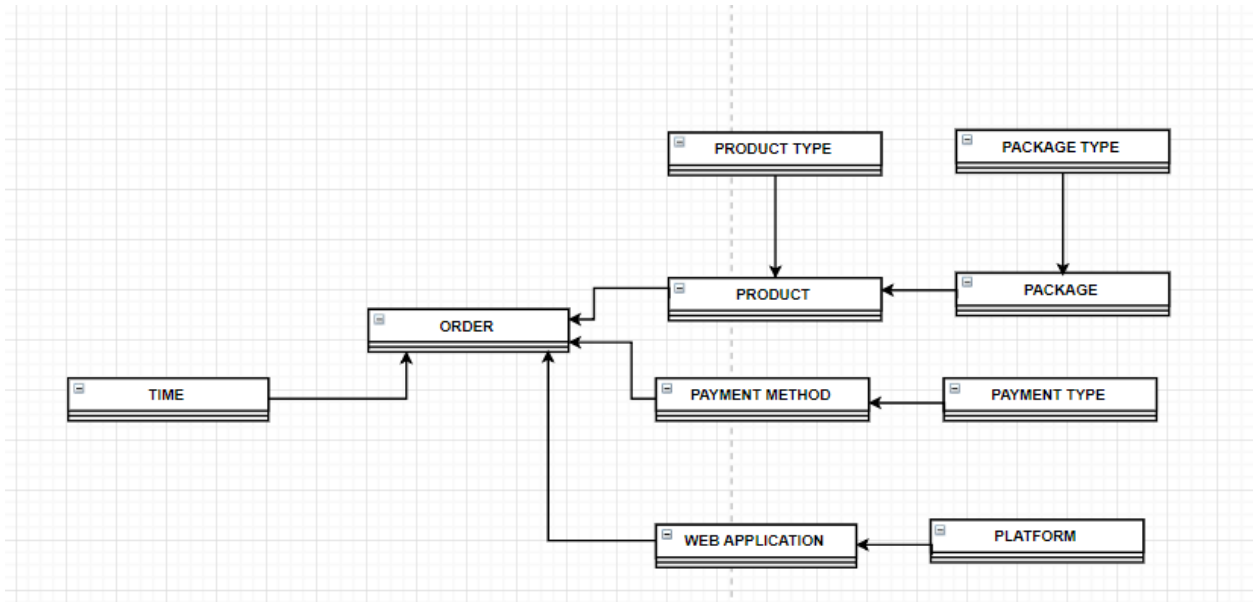
Usage of drones

- Orders completed
- Profit made from drones
- Cost of maintenance

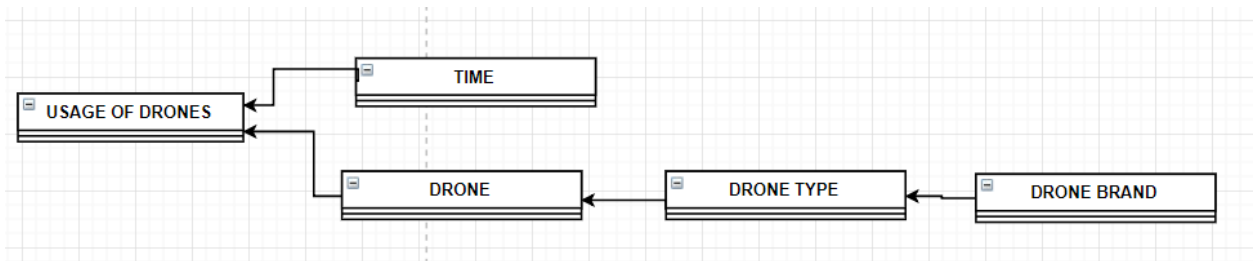


III. Database structure of data warehouse

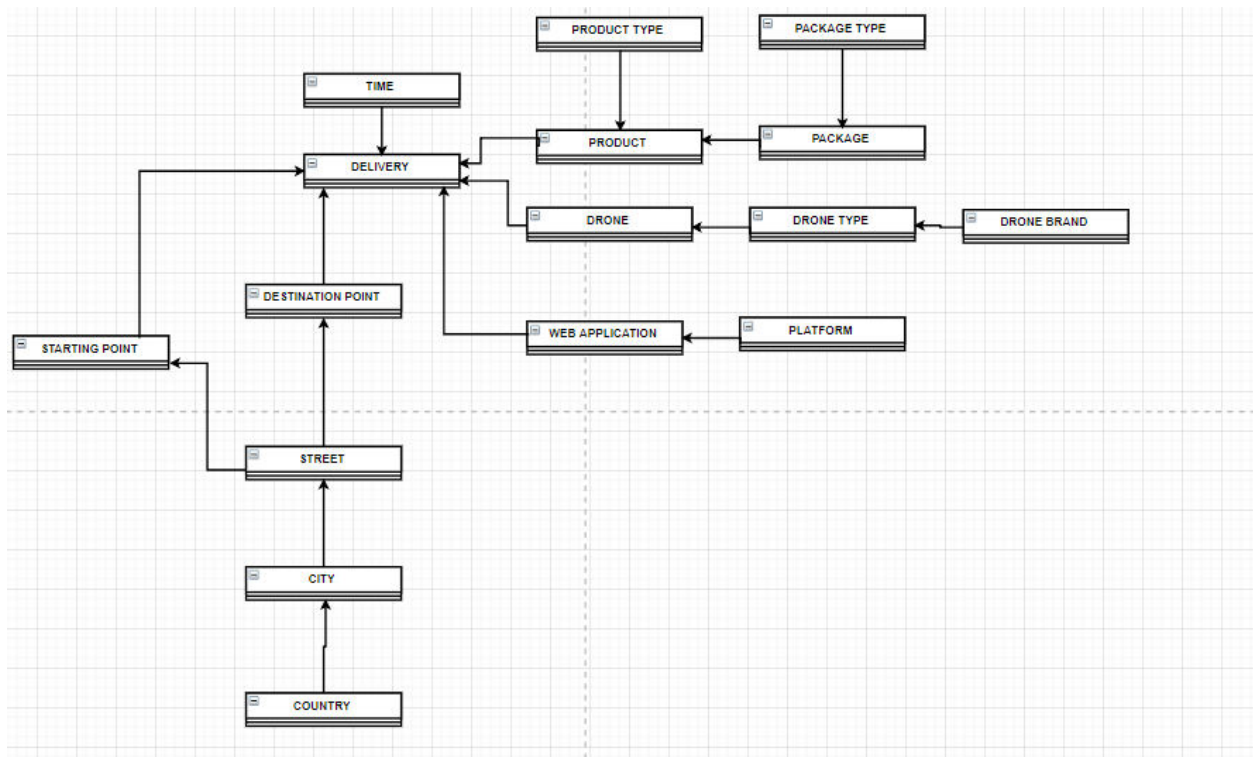
Order fact snowflake scheme



Usage of drones fact snowflake scheme



Delivery fact snowflake scheme



Database snowflake scheme with columns

