

Object-oriented database management system



Customer

Customer_id
Firstname
Lastname
Address
Postal_code
Age
Gender
Email
Order_id
Invoice_id

Order

Order_id
Total
Product_id
Customer_id
Date_time
Remark

Product

Product_id
Product_name
Amount
Price
Description
Date_time
Status
Statistic

Invoice

Invoice_id
Customer_id
Order_id
Product_id
Date_time
Total
Remark

[illegible]

- [illegible]

Vision

Available objects

- Easy
- Without deformation
- Without decomposition

to store in databases

and also the relationships should be included



Example



Object

Includes following

Attributes

- Color
- Manufacturer
- Type
- Registration

Values

- Accelerate
- Brakes

MongoDB

MongoDB is a document database, which means it stores data in JSON-like documents.

```
{  
  "_id": "5cf0029caff5056591b0ce7d",  
  "firstname": "Jane",  
  "lastname": "Wu",  
  "address": {  
    "street": "1 Circle Rd",  
    "city": "Los Angeles",  
    "state": "CA",  
    "zip": "90404"  
  },  
  "hobbies": ["surfing", "coding"]  
}
```

JSON Document

The most natural and productive way to work with data.

Support arrays and nested objects as values.

Allows for flexible and dynamic schemas.

Powerful query language

- Allows to filter and sort by any field
- Support other use-cases like text search
- Easily composable
- No more concatenating strings
- Support for joins in queries
- Two types of relationships instead of one



**Whatever your
question, OData
can answer it**

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Genesis

- Since 1980
- Because everybody used object-orientated programming languages



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