

Conceptual Business Model

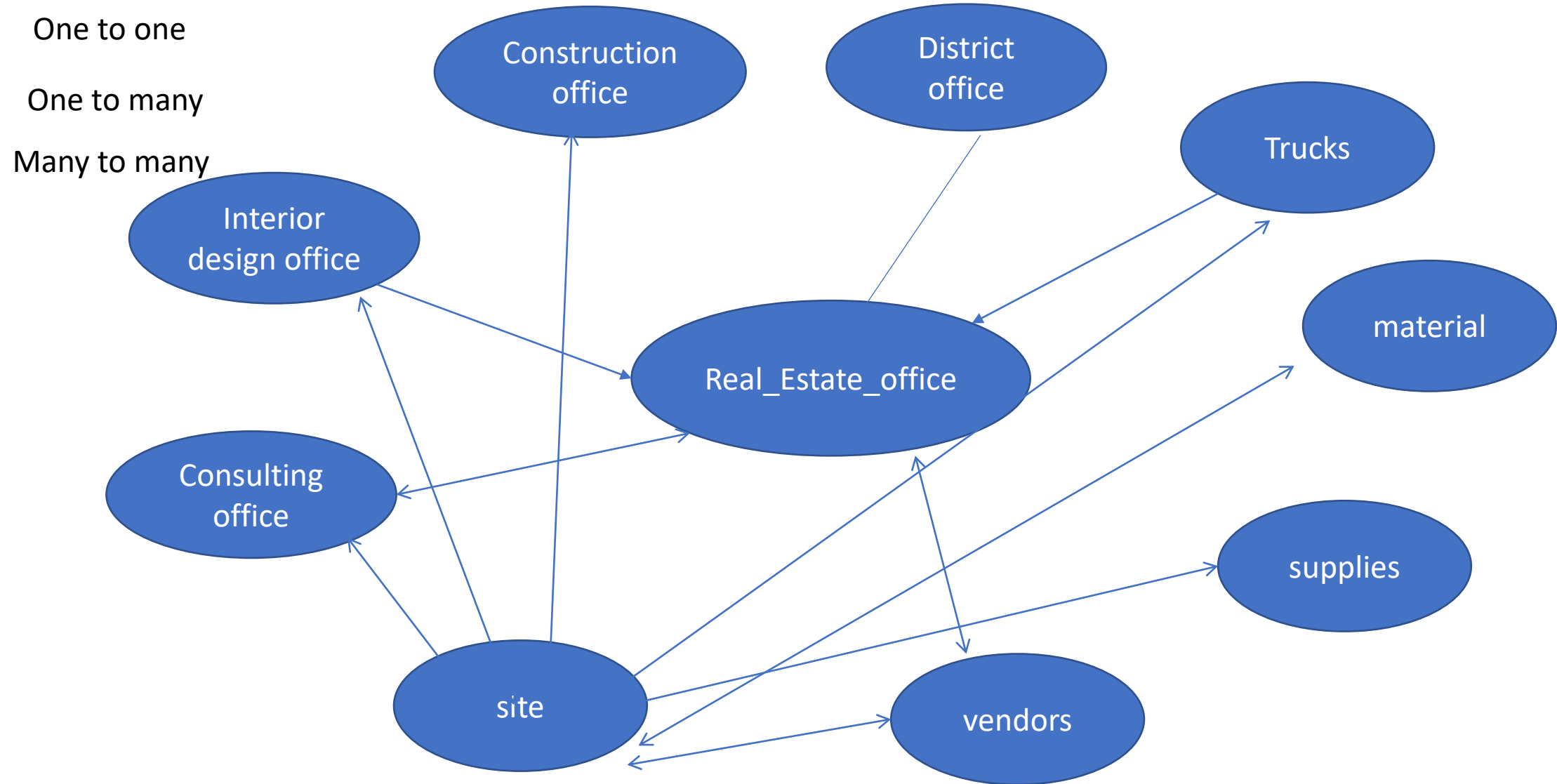
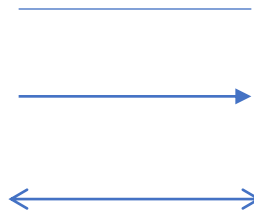


Conceptual business model

This is a Construct a conceptual business model for Real Estate and illustrate:

1. Conceptual business model
2. Relation data model
3. SQL Queries
4. Sensitive data and data quality issues

Conceptual business model



Relational data model

Real_Estate_office	
project	PK
Designer	
Project_manger	
Accountant	
Sellers	

Vendors	
Vendor_id	PK
First_Name	
Last_Name	
Years_of_Experience	
Wages	
Duration	
Site_Location	FK

Site	
Site_Coordinates	PK
Site_Location	PK
Area	
Project	FK
Duration	FK

Consulting_office	
Project	PK
Consulting_Manger	
Duration	FK

Material	
Material_Name	PK
Quantity	
price	
Project	FK
Site_Location	FK

Trucks	
Truck_id	PK
Type	
Duration	
Price	
Number_of_Trucks	
Site_Location	FK

Supplies	
Supplies_Name	PK
Quantity	
price	
project	FK

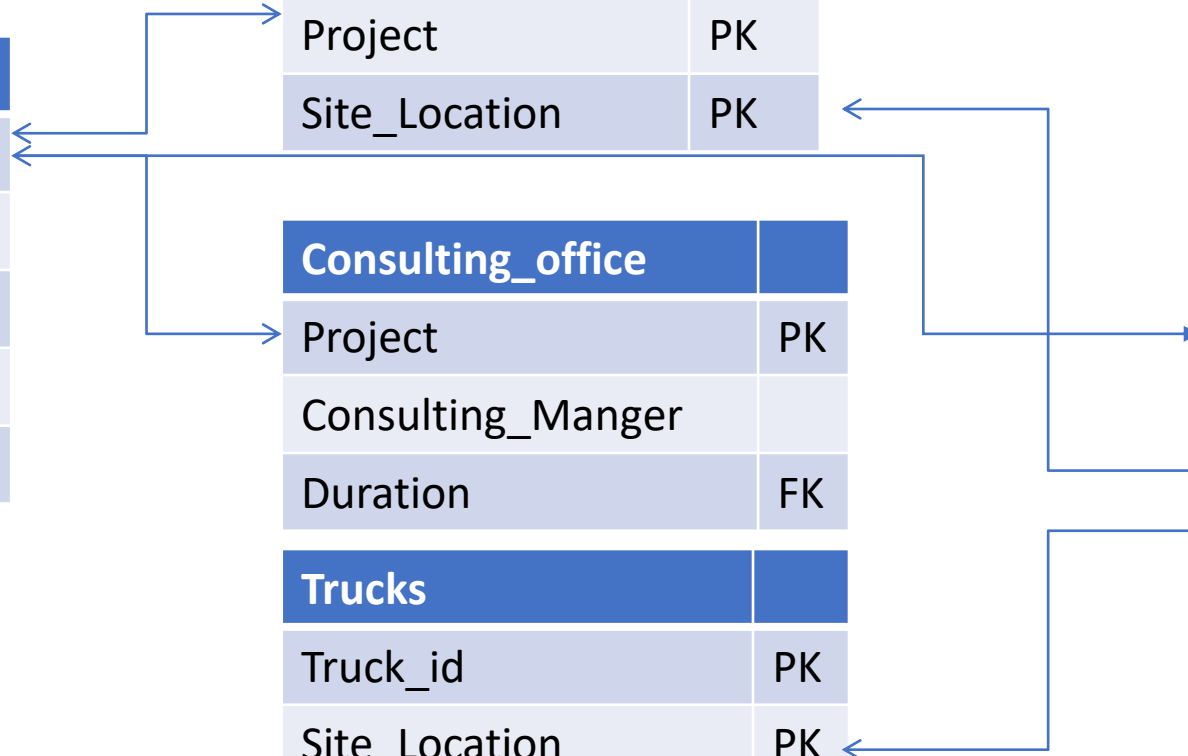
Real_Estate_office	
project	PK
Designer	
Project_manger	
Accountant	
Sellers	

Material	
Material_Name	PK
Quantity	
price	
Project	PK
Site_Location	PK

Consulting_office	
Project	PK
Consulting_Manger	
Duration	FK

Trucks	
Truck_id	PK
Site_Location	PK
Duration	
Price	
Number_of_Trucks	
Type	

Site	
Site_Coordinates	PK
Site_Location	PK
Area	
Project	FK
Duration	FK



SQL queries

```
SELECT a.project,a.designeer,a.project_manger,b.consulting_manger  
From real_estate_office a  
Left join consulting_office b  
On a.project=b.project
```

```
SELECT a.site_coordinates,a.site_location,a.area,b.type,b.number_of_trucks  
From site a  
Left join trucks b  
On a.site_location=b.site_location  
Where b.duration > 7
```

Sensitive data and data quality issues

This data can be CFI and CPNI

CFI: Any information that is not publicly available, and Results from a transaction between the consumer and the institution involving a financial product or service and this situation occur in old transaction between real estate office and customer or happen due to registering an online account from customer to an online site

CPNI: Data collected by telecommunications companies about a consumer's telephone calls, and that can happen due to the data between real estate office to trucks office and vendors which means that real estate office has data about vendors and trucks office