

DOCUMENTATION | DATABASE

POSTGRESQL

INTERIOR DESIGN OFFICE

Contents

1.	Business characteristics	3
1.1.	Background.....	3
1.2.	Problems and current situation of the company.....	3
1.3.	Advantages of database implementation	3
2.	Database characteristics.....	4
2.2.	Definitions	4
2.3.	Logical model.....	4
2.4.	Objects.....	5
▪	Table projekty.....	5
▪	Table pracownicy	6
▪	Table inwestorzy.....	7
▪	Table projekty_inwestorzy	8
▪	Table projekty_pracownicy.....	9
▪	Table adresy	9
▪	Table pakiety.....	10
▪	Table zakresy_pakietow	10
▪	Table stylistyka	12
▪	Table inwestycje	12

1. Business characteristics

1.1. Background

The company offers comprehensive residential and commercial interior design services and cooperates with investors throughout Poland. In the case of projects outside the location where the office is located, cooperation takes place remotely based on the materials provided by the investor. The team of employees carrying out projects consists of 3 people. More than one employee may be assigned to complete one project. Due to the nature of the industry, many investors may be assigned to one project.

1.2. Problems and current situation of the company

Currently, company data comes from various sources and is collected using several tools, which makes it difficult to analyze it and, consequently, to draw business conclusions. The company plans to hire new employees, which will increase the amount of projects and data about them.

1.3. Advantages of database implementation

Thanks to the database implementation:

- data will be organized and collected in one place,
- data will be able to be analyzed effectively,
- based on the analyzes performed, it will be possible to make informed business decisions.

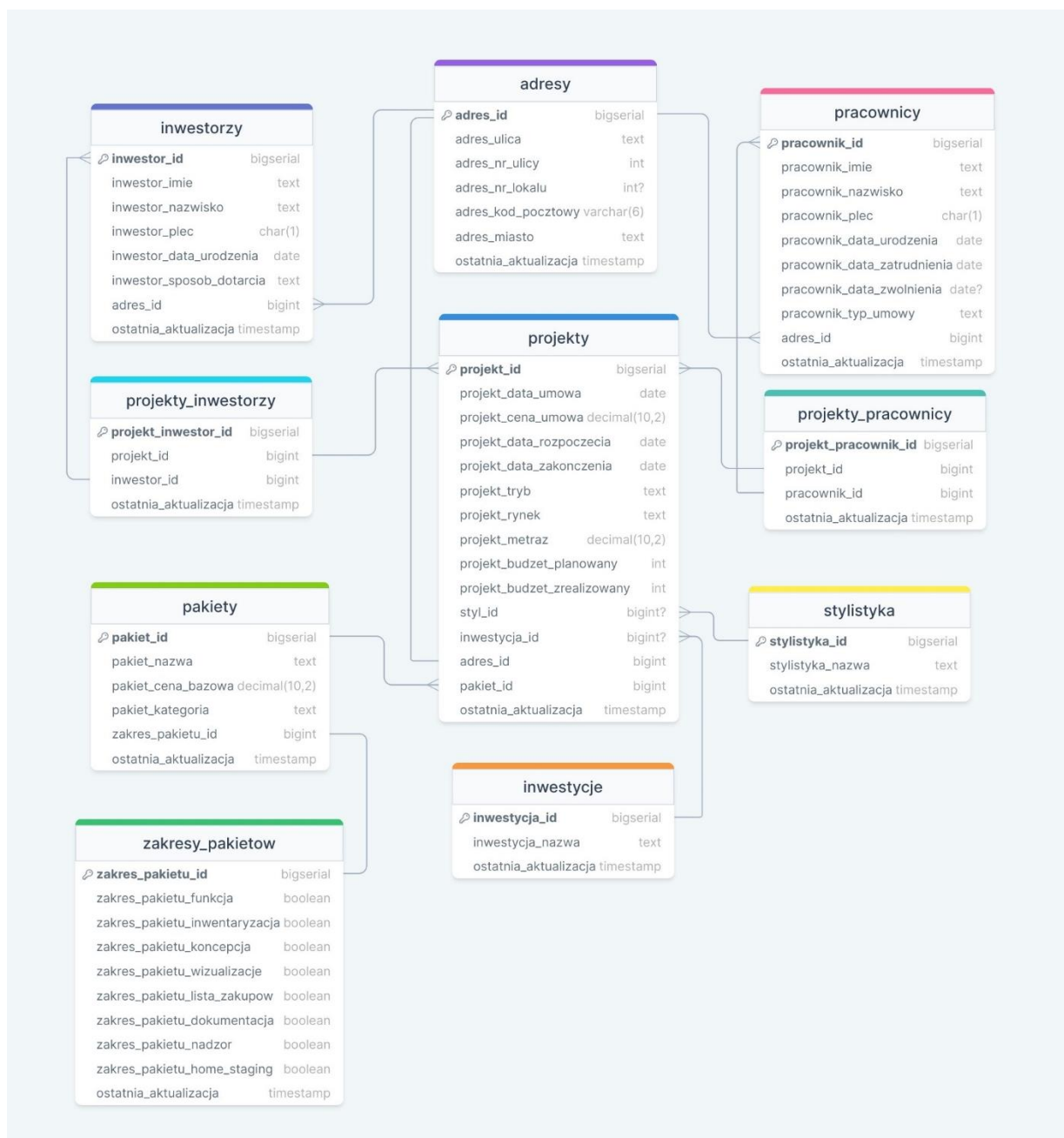
2. Database characteristics

2.2. Definitions

PK = Primary Key

FK = Foreign Key

2.3. Logical model



2.4. Objects

▪ Table projekty

- contains key dates such as: signing the contract with the company by the investor, starting the project by the employee and completing the project, i.e. providing the investor with complete documentation,
- contains the final price included in the contract, which is the result of possible negotiations and may differ from the "pakiet_cena_bazowa" in the "pakiety" table,
- contains information about the investment in which the project is being carried out, which affects the specificity of the project: secondary/primary market, space size, working mode (remote/stationary) due to the location of the investment,
- contains information about the investor's assumptions and achieved budget goals.

Table name	Column name	Column description	Datatype
projekty	projekt_id	PK	bigserial
	projekt_data_umowa	Date of signing the contract with a company	date
	projekt_cena_umowa	Project price included in the contract	decimal(10,2)
	projekt_data_rozpoczecia	The date the employee started the project	date
	projekt_data_zakonczenia	Project completion date - submission of documentation to the investor	date
	projekt_tryb	Project work mode	text
	projekt_rynek	The market in which there is an investment	text
	projekt_metrarz	The size of the space in which the project	decimal(10,2)

		is carried out	
	projekt_budzet_planowany	Investor's initial budget for work and materials covered by the project	int
	projekt_budzet_zrealizowany	Result budget based on the project	int
	stylistyka_id	FK	bigint
	inwestycja_id	FK	bigint
	adres_id	FK	bigint
	pakiet_id	FK	bigint
	ostatnia_aktualizacja	Last date data update	timestamp

The table is linked to tables:

- "stylistyka", using the primary key from this table "stylistyka_id",
- "inwestycje", using the primary key from this table "inwestycja_id",
- "adresy" using the primary key from this table "adres_id",
- "pakiety" using the primary key from this table "pakiet_id".

▪ Table pracownicy

- contains basic information about the employee - name, surname, date of birth, gender,
- contains data important for the company, such as the date of employment of the employee, the date of termination of the contract and the type of contract concluded.

Table name	Column name	Column description	Datatype
pracownicy	pracownik_id	PK	bigserial
	pracownik_imie	Employee name	text

	pracownik_nazwisko	Employee last name	text
	pracownik_plec	Employee's gender ("K" - female or "M" - male)	char(1)
	pracownik_data_urodzenia	Employee's date of birth	date
	pracownik_data_zatrudnienia	The date of conclusion of the contract with the employee	date
	pracownik_data_zwolnienia	Contract expiration/termination date with the employee	date
	pracownik_typ_umowy	Type of contract concluded with an employee (mandate contract, contract for specific work, employment contract, B2B contract)	text
	adres_id	FK	bigint
	ostatnia_aktualizacja	Last date data update	timestamp

The table is linked to the "adresy" table using the primary key from this table "adres_id".

▪ Table inwestorzy

- contains basic information about the investor - name, surname, date of birth, gender,
- contains data important for the company, such as how to get to the office's services.

Table name	Column name	Column description	Datatype
inwestorzy	inwestor_id	PK	bigserial
	inwestor_imie	Investor name	text
	inwestor_nazwisko	Investor last name	text
	inwestor_plec	Investor's gender ("K" - female or "M" - male)	char(1)
	inwestor_data_urodzenia	Investor's date of birth	date
	inwestor_sposob_dotarcia	How the investor found out about the company's services	text
	adres_id	FK	bigint
	ostatnia_aktualizacja	Last date data update	timestamp

The table is connected to the "adresy" table using the primary key from this table "adres_id".

- Table projekty_inwestorzy

- link table between the "projekty" and "inwestorzy" tables. One investor can be assigned to multiple projects and one project can have multiple investors assigned to it.

Table name	Column name	Column description	Datatype
projekty_inwestorzy	projekt_inwestor_id	PK	bigserial
	projekt_id	FK	bigint
	inwestor_id	FK	bigint
	ostatnia_aktualizacja	Last date data update	timestamp

- Table projekty_pracownicy

- link table between the "projekty" and "pracownicy" tables. One employee can be assigned to multiple projects and one project can have multiple employees assigned to it.

Table name	Column name	Column description	Datatype
projekty_pracownicy	projekt_pracownik_id	PK	bigserial
	projekt_id	FK	bigint
	pracownik_id	FK	bigint
	ostatnia_aktualizacja	Last date data update	timestamp

- Table adresy

- contains information about the addresses of investors and employees and investments.

Table name	Column name	Column description	Datatype
adresy	adres_id	PK	bigserial
	adres_ulica	Street name	text
	adres_numer_ulicy	Street number	int

	adres_numer_lokalu	Apartment number – if applicable	int
	adres_kod_pocztowy	Zip code	varchar(6)
	adres_miasto	City	text
	ostatnia_aktualizacja	Last date data update	timestamp

▪ Table pakiety

- contains information about design packages available in the company's services,
- contains the base price of the project, which may differ from "projekt_cena_umowa" from the "projekty" table depending on the results of negotiations with the investor.

Table name	Column name	Column description	Datatype
pakiety	pakiet_id	PK	bigserial
	pakiet_nazwa	Package name	text
	pakiet_cena_bazowa	Base price of the package	decimal(10,2)
	pakiet_kategoria	Package category (private/investment)	text
	zakres_pakietu_id	FK	bigint
	ostatnia aktualizacja	Last date data update	timestamp

The table is connected to the "zakresy_pakietow" table using the primary key from this table "zakres_pakietu_id".

▪ Table zakresy_pakietow

- contains information whether a given project stage is included in a given package offered by the company.

Table name	Column name	Column description	Datatype
zakresy_pakietow	zakres_pakietu_id	PK	bigserial
	zakres_pakietu_inwentaryzacja	Project stage - measurement of the premises by an employee	boolean
	zakres_pakietu_funkcja	Project stage - performing functional projections	boolean
	zakres_pakietu_koncepcja	Project stage - creating a 3D concept	boolean
	zakres_pakietu_wizualizacje	Project stage - creating photorealistic visualizations	boolean
	zakres_pakietu_lista_zakupow	Project stage - list of products and materials with prices in the shopping list	boolean
	zakres_pakietu_dokumentacja	Project stage - preparation of technical documentation based on which the contractor can implement the project	boolean
	zakres_pakietu_nadzor	Project stage - author's supervision of the project during its implementation	boolean

	zakres_pakietu_home_staging	Project stage - selecting accessories and styling the premises after renovation	boolean
	ostatnia_aktualizacja	Last date data update	timestamp

- Table stylistyka

- contains information about the styles in which the projects were made.

Table name	Column name	Column description	Datatype
stylistyka	stylistyka_id	PK	bigserial
	stylistyka_nazwa	Style name	text
	ostatnia_aktualizacja	Last date data update	timestamp

- Table inwestycje

- contains information about investments in which the premises covered by the project are located.

Table name	Column name	Column description	Datatype
inwestycje	inwestycja_id	PK	bigserial
	inwestycja_nazwa	Investment name	text
	ostatnia_aktualizacja	Last date data update	timestamp