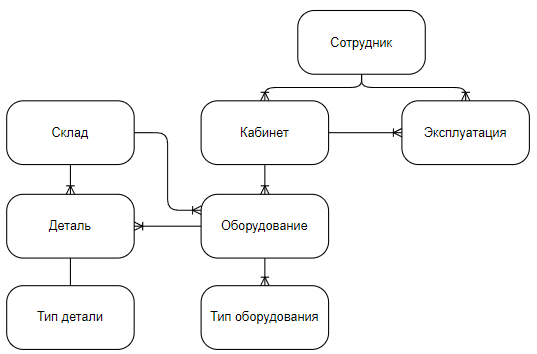
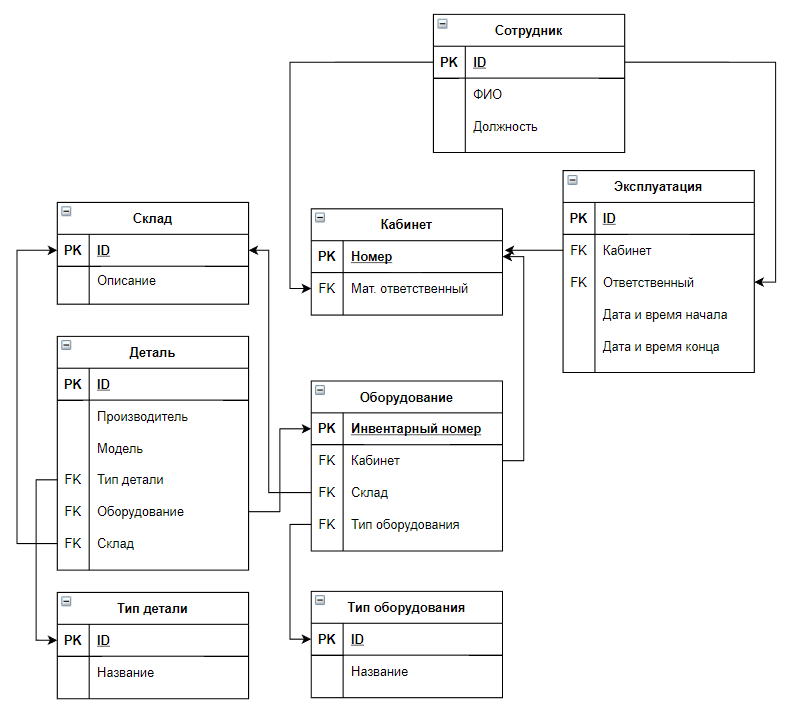
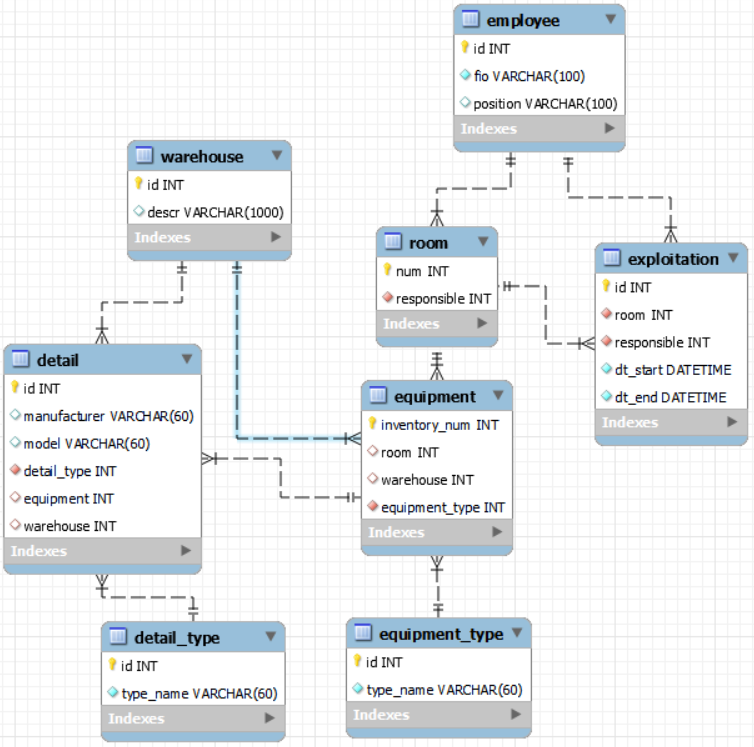
Концептуальная модель:



Логическая модель:



Физическая модель:



Запрос на создание:

CREATE DATABASE Equipment;

USE Equipment;

CREATE TABLE Employee(

id INT auto\_increment NOT NULL,

PRIMARY KEY (id),

fio VARCHAR(100) NOT NULL,

position VARCHAR(100));

CREATE TABLE Room(

num INT NOT NULL,

PRIMARY KEY (num),

responsible int NOT NULL,

FOREIGN KEY (responsible) REFERENCES Employee(id));

CREATE TABLE Exploitation(

id INT auto\_increment NOT NULL,

PRIMARY KEY (id),

room INT NOT NULL,

FOREIGN KEY (room) REFERENCES Room(num),

responsible int NOT NULL,

FOREIGN KEY (responsible) REFERENCES Employee(id),

dt\_start DATETIME NOT NULL,

dt\_end DATETIME NOT NULL);

CREATE TABLE Warehouse(

id INT auto\_increment NOT NULL,

PRIMARY KEY (id),

descr VARCHAR(1000));

CREATE TABLE Equipment\_type(

id INT auto\_increment NOT NULL,

PRIMARY KEY (id),

type\_name VARCHAR(60) NOT NULL);

CREATE TABLE Equipment(

inventory\_num INT NOT NULL,

PRIMARY KEY (inventory\_num),

room INT,

FOREIGN KEY (room) REFERENCES Room(num),

warehouse INT,

FOREIGN KEY (warehouse) REFERENCES Warehouse(id),

equipment\_type INT NOT NULL,

FOREIGN KEY (equipment\_type) REFERENCES Equipment\_type(id));

CREATE TABLE Detail\_type(

id INT auto\_increment NOT NULL,

PRIMARY KEY (id),

type\_name VARCHAR(60) NOT NULL);

CREATE TABLE Detail(

id INT auto\_increment NOT NULL,

PRIMARY KEY(id),

manufacturer VARCHAR(60),

model VARCHAR(60),

detail\_type INT NOT NULL,

FOREIGN KEY (detail\_type) REFERENCES Detail\_type(id),

equipment INT,

FOREIGN KEY (equipment) REFERENCES Equipment(inventory\_num),

warehouse INT,

FOREIGN KEY (warehouse) REFERENCES Warehouse(id));