**Додаток Е**

**SQL-код бази даних**

DROP DATABASE IF EXISTS Firm;

CREATE DATABASE Firm;

USE Firm;

DROP TABLE IF EXISTS Additives;

CREATE TABLE Additives (

ID int NOT NULL AUTO\_INCREMENT,

a\_name varchar(45) NOT NULL,

a\_type varchar(45),

a\_kind varchar(45),

a\_appointment text(560) NOT NULL,

a\_date date NOT NULL,

a\_term date NOT NULL,

PRIMARY KEY (ID)

);

DROP TABLE IF EXISTS Recipe;

CREATE TABLE Recipe (

ID int NOT NULL AUTO\_INCREMENT,

r\_time time NOT NULL,

r\_form varchar(30),

r\_count int NOT NULL,

r\_temperature int,

r\_desscription text(65000),

PRIMARY KEY (ID)

);

DROP TABLE IF EXISTS Ingredients;

CREATE TABLE Ingredients (

ID int NOT NULL AUTO\_INCREMENT,

i\_name varchar(45) NOT NULL,

i\_type varchar(45),

i\_date date NOT NULL,

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i\_term date NOT NULL,

i\_cost decimal(5,2),

PRIMARY KEY (ID)

);

DROP TABLE IF EXISTS Additives\_has\_Recipe;

CREATE TABLE Additives\_has\_Recipe (

ID int NOT NULL AUTO\_INCREMENT,

a\_mass decimal(4,2) NOT NULL,

Additives\_ID int NOT NULL,

Recipe\_ID int NOT NULL,

PRIMARY KEY (ID),

FOREIGN KEY (Additives\_ID) REFERENCES Additives(ID) ON DELETE CASCADE ON UPDATE CASCADE,

FOREIGN KEY (Recipe\_ID) REFERENCES Recipe(ID) ON DELETE CASCADE ON UPDATE CASCADE

);

DROP TABLE IF EXISTS Ingredients\_has\_Recipe;

CREATE TABLE Ingredients\_has\_Recipe (

ID int NOT NULL AUTO\_INCREMENT,

i\_mass decimal(6,2) NOT NULL,

Ingredients\_ID int NOT NULL,

Recipe\_ID int NOT NULL,

PRIMARY KEY (ID),

FOREIGN KEY (Ingredients\_ID) REFERENCES Ingredients(ID) ON DELETE CASCADE ON UPDATE CASCADE,

FOREIGN KEY (Recipe\_ID) REFERENCES Recipe(ID) ON DELETE CASCADE ON UPDATE CASCADE

);

DROP TABLE IF EXISTS Changing;

CREATE TABLE Changing (

ID int NOT NULL AUTO\_INCREMENT,

c\_tstart time NOT NULL,

c\_sbreak time NOT NULL,

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c\_ebreak time NOT NULL,

c\_tend time NOT NULL,

PRIMARY KEY (ID)

);

DROP TABLE IF EXISTS Employees;

CREATE TABLE Employees (

ID int NOT NULL AUTO\_INCREMENT,

e\_pib varchar(45) NOT NULL,

e\_bdate date NOT NULL,

e\_address varchar(60) NOT NULL,

e\_telephon int,

e\_sex enum('Ч','Ж') DEFAULT 'Ж',

e\_adate date NOT NULL,

e\_position varchar(60) NOT NULL,

e\_salary decimal(10,2),

Changing\_ID int NOT NULL,

PRIMARY KEY (ID),

FOREIGN KEY (Changing\_ID) REFERENCES Changing(ID) ON DELETE CASCADE ON UPDATE CASCADE

);

DROP TABLE IF EXISTS Goods;

CREATE TABLE Goods (

ID int NOT NULL AUTO\_INCREMENT,

g\_name varchar(45) NOT NULL,

g\_type varchar(45) NOT NULL,

g\_date date NOT NULL,

g\_mass double NOT NULL,

g\_cost decimal(5,2) NOT NULL,

Changing\_ID int NOT NULL,

Recipe\_ID int NOT NULL,

PRIMARY KEY (ID),

**Закінчення додатку Е**

FOREIGN KEY (Changing\_ID) REFERENCES Changing(ID) ON DELETE CASCADE ON UPDATE CASCADE,

FOREIGN KEY (Recipe\_ID) REFERENCES Recipe(ID) ON DELETE CASCADE ON UPDATE CASCADE

);

DROP TABLE IF EXISTS Ordering;

CREATE TABLE Ordering (

ID int NOT NULL AUTO\_INCREMENT,

o\_pib varchar(45) NOT NULL,

o\_address varchar(45) NOT NULL,

o\_region varchar(45) NOT NULL,

o\_distance int,

o\_typepayment enum('Готівка','Чек','Карточка') DEFAULT 'Готівка',

o\_deliveryprice float,

PRIMARY KEY (ID)

);

DROP TABLE IF EXISTS Reserved;

CREATE TABLE Reserved (

ID int NOT NULL AUTO\_INCREMENT,

Goods\_ID int NOT NULL,

Ordering\_ID int NOT NULL,

PRIMARY KEY (ID),

FOREIGN KEY (Goods\_ID) REFERENCES Goods(ID) ON DELETE CASCADE ON UPDATE CASCADE,

FOREIGN KEY (Ordering\_ID) REFERENCES Ordering(ID) ON DELETE CASCADE ON UPDATE CASCADE

);