**مشروع برنامج تتبع النفقات الشخصية**

**قسم التصميم – كود جداول قاعدة البيانات**

CREATE TABLE Users (

UserID INTEGER PRIMARY KEY AUTOINCREMENT,

Name TEXT NOT NULL,

Email TEXT UNIQUE NOT NULL,

Password TEXT NOT NULL

);

CREATE TABLE Categories (

CategoryID INTEGER PRIMARY KEY AUTOINCREMENT,

Name TEXT NOT NULL,

Type TEXT NOT NULL,

UserID INTEGER,

FOREIGN KEY (UserID) REFERENCES Users(UserID)

);

CREATE TABLE Expenses (

ExpenseID INTEGER PRIMARY KEY AUTOINCREMENT,

UserID INTEGER NOT NULL,

CategoryID INTEGER NOT NULL,

Amount REAL NOT NULL,

Date TEXT NOT NULL,

Description TEXT,

FOREIGN KEY (UserID) REFERENCES Users(UserID),

FOREIGN KEY (CategoryID) REFERENCES Categories(CategoryID)

);

CREATE TABLE Income (

IncomeID INTEGER PRIMARY KEY AUTOINCREMENT,

UserID INTEGER NOT NULL,

CategoryID INTEGER NOT NULL,

Amount REAL NOT NULL,

Date TEXT NOT NULL,

Description TEXT,

FOREIGN KEY (UserID) REFERENCES Users(UserID),

FOREIGN KEY (CategoryID) REFERENCES Categories(CategoryID)

);

CREATE TABLE Budget (

BudgetID INTEGER PRIMARY KEY AUTOINCREMENT,

UserID INTEGER NOT NULL,

CategoryID INTEGER NOT NULL,

MonthlyLimit REAL NOT NULL,

FOREIGN KEY (UserID) REFERENCES Users(UserID),

FOREIGN KEY (CategoryID) REFERENCES Categories(CategoryID)

);