**1. טבלת Users (משתמשים עם UID מפיירבייס)**

sql

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CREATE TABLE Users (

UserID NVARCHAR(128) PRIMARY KEY, -- מזהה מפיירבייס

Username NVARCHAR(50) UNIQUE NOT NULL, -- כינוי ייחודי

Email NVARCHAR(100) UNIQUE NOT NULL, -- אימייל ייחודי

RegistrationDate DATETIME DEFAULT GETDATE()

);

**✅ 2. טבלת Games (משחקים)**

sql

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CREATE TABLE Games (

GameID INT PRIMARY KEY IDENTITY(1,1),

CreatedBy NVARCHAR(128) FOREIGN KEY REFERENCES Users(UserID) ON DELETE CASCADE,

CreationDate DATETIME DEFAULT GETDATE(),

Status NVARCHAR(20) CHECK (Status IN ('Waiting', 'In Progress', 'Finished')),

WinningTeam NVARCHAR(10) NULL -- 'Red' / 'Blue'

);

**✅ 3. טבלת PlayersInGame (שחקנים במשחק)**

sql

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CREATE TABLE PlayersInGame (

GameID INT FOREIGN KEY REFERENCES Games(GameID) ON DELETE CASCADE,

UserID NVARCHAR(128) FOREIGN KEY REFERENCES Users(UserID) ON DELETE NO ACTION,

Team NVARCHAR(10) CHECK (Team IN ('Red', 'Blue')),

IsSpymaster BIT DEFAULT 0,

PRIMARY KEY (GameID, UserID)

);

**✅ 4. טבלת Words (מילים למאגר הכללי של המשחק)**

sql

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CREATE TABLE Words (

WordID INT PRIMARY KEY IDENTITY(1,1),

Word NVARCHAR(50) UNIQUE NOT NULL

);

**✅ 5. טבלת Cards (קלפים של משחק מסוים)**

sql

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CREATE TABLE Cards (

CardID INT PRIMARY KEY IDENTITY(1,1),

GameID INT FOREIGN KEY REFERENCES Games(GameID) ON DELETE CASCADE,

WordID INT FOREIGN KEY REFERENCES Words(WordID) ON DELETE CASCADE,

Team NVARCHAR(10) CHECK (Team IN ('Red', 'Blue', 'Neutral', 'Assassin')),

IsRevealed BIT DEFAULT 0

);

**✅ 6. טבלת Moves (תזוזות של שחקנים במשחק)**

sql

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CREATE TABLE Moves (

MoveID INT PRIMARY KEY IDENTITY(1,1),

GameID INT FOREIGN KEY REFERENCES Games(GameID) ON DELETE CASCADE,

UserID NVARCHAR(128) FOREIGN KEY REFERENCES Users(UserID) ON DELETE NO ACTION,

CardID INT FOREIGN KEY REFERENCES Cards(CardID) ON DELETE NO ACTION,

MoveDate DATETIME DEFAULT GETDATE()

);

**✅ 7. טבלת ChatMessages (צ'אט במשחק)**

sql

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CREATE TABLE ChatMessages (

MessageID INT PRIMARY KEY IDENTITY(1,1),

GameID INT FOREIGN KEY REFERENCES Games(GameID) ON DELETE CASCADE,

UserID NVARCHAR(128) FOREIGN KEY REFERENCES Users(UserID) ON DELETE NO ACTION,

MessageText NVARCHAR(255) NOT NULL,

Timestamp DATETIME DEFAULT GETDATE()

);

**✅ 8. טבלת Friends (חברויות בין משתמשים)**

sql

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CREATE TABLE Friends (

UserID1 NVARCHAR(128) FOREIGN KEY REFERENCES Users(UserID) ON DELETE CASCADE,

UserID2 NVARCHAR(128) FOREIGN KEY REFERENCES Users(UserID) ON DELETE NO ACTION,

FriendshipDate DATETIME DEFAULT GETDATE(),

PRIMARY KEY (UserID1, UserID2)

);