Az általunk készített adatbázis egy relációs adatbázis, mely egy fodrász üzlet tesztadatait tartalmazza. A modellünk normalizált szerkezetű és teljes kulcs- és kapcsolatdefinícióval rendelkezik.

**Táblák és mezők**

1. ZipCodes

ZipCode (VARCHAR(10), PK)

City (VARCHAR(100), NOT NULL)

Region (VARCHAR(100), NOT NULL)

2. Customer

CustomerID (INT, PK, AUTO\_INCREMENT)

Name (VARCHAR(100), NOT NULL)

PhoneNumber (VARCHAR(20))

Street (VARCHAR(255))

ZipCode (VARCHAR(10), FK → ZipCodes.ZipCode)

Gender (CHAR(1))

3. Employee

EmployeeID (INT, PK, AUTO\_INCREMENT)

Name (VARCHAR(100), NOT NULL)

Street (VARCHAR(255))

ZipCode (VARCHAR(10), FK → ZipCodes.ZipCode)

PayRate (DECIMAL(10,2))

4. SalonService

ServiceID INT, PK, AUTO\_INCREMENT)

ServiceName (VARCHAR(100), NOT NULL)

ServiceDuration (INT, percekben)

ServicePrice (DECIMAL(10,2))

ServiceMaterials (TEXT)

5. Appointment

AppointmentID (INT, PK, AUTO\_INCREMENT)

AppointmentDateTime (DATETIME, NOT NULL)

CustomerID (INT, FK → Customer.CustomerID)

6. ServiceRendered

AppointmentID (INT, FK → Appointment.AppointmentID)

LineItemNumber (INT)

ServiceID (INT, FK → SalonService.ServiceID)

ServiceExtendedPrice (DECIMAL(10,2))

EmployeeID (INT, FK → Employee.EmployeeID)

PK: (AppointmentID, LineItemNumber)

**Kapcsolatok (idegen kulcsok)**

Customer → ZipCodes: Customer.ZipCode → ZipCodes.ZipCode

Employee → ZipCodes: Employee.ZipCode → ZipCodes.ZipCode

Appointment → Customer: Appointment.CustomerID → Customer.CustomerID

ServiceRendered → Appointment: ServiceRendered.AppointmentID → Appointment.AppointmentID

ServiceRendered → SalonService: ServiceRendered.ServiceID → SalonService.ServiceID

ServiceRendered → Employee: ServiceRendered.EmployeeID → Employee.EmployeeID