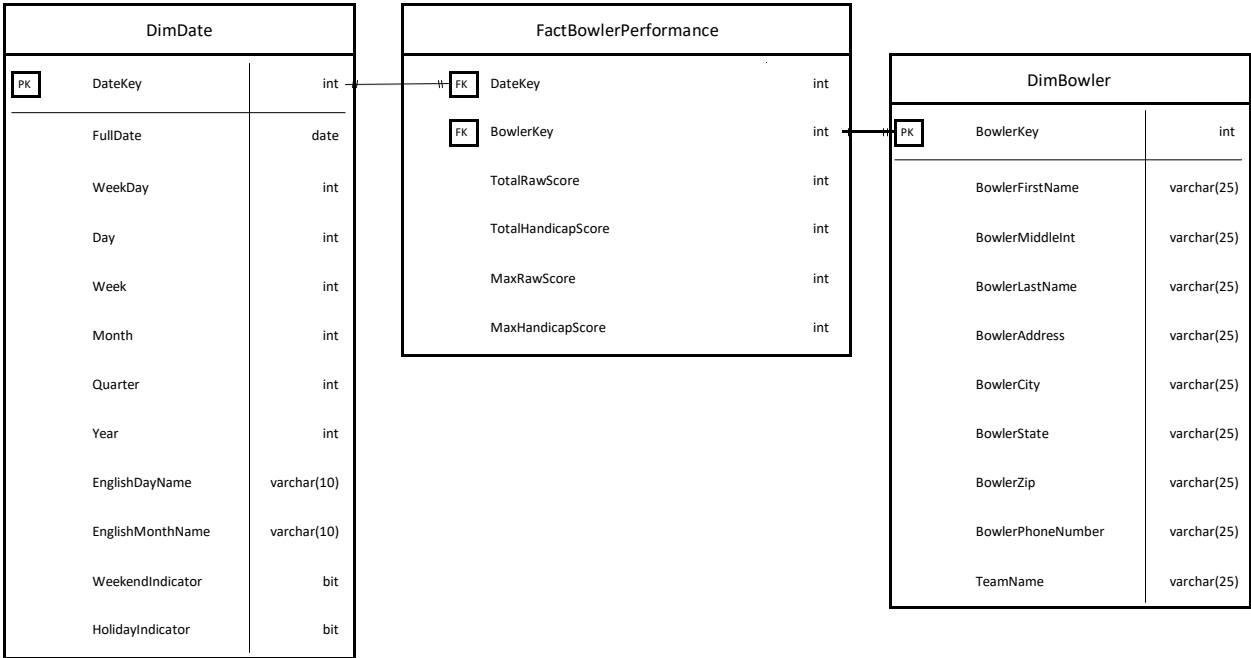**Business scenario**:

The CEO of Dallas Bowling Inc. has a data warehouse to capture bowler's game performance. The figure below shows tables of Dallas Bowling's OLAP. **Import OLAP data from D2L,** and then create SSAS package solution that can answer the following business analytics questions.

DimDate		
PK DateKey	int
FullDate	date
WeekDay	int
Day	int
Week	int
Month	int
Quarter	int
Year	int
EnglishDayName	varchar(10)
EnglishMonthName	varchar(10)
WeekendIndicator	bit
HolidayIndicator	bit

FactBowlerPerformance	
FK DateKey	int
FK BowlerKey	int
TotalRawScore	int
TotalHandicapScore	int
MaxRawScore	int
MaxHandicapScore	int

DimBowler	
PK BowlerKey	int
BowlerFirstName	varchar(25)
BowlerMiddleInt	varchar(25)
BowlerLastName	varchar(25)
BowlerAddress	varchar(25)
BowlerCity	varchar(25)
BowlerState	varchar(25)
BowlerZip	varchar(25)
BowlerPhoneNumber	varchar(25)
TeamName	varchar(25)

Q1: What is the highest raw score? (1 point).

Q2: Who has the highest total handicap score? You must return full name of bowler in one column to get credit (1 point).

Q3: What state has the highest handicap score during weekday? (1 point).

Q4: Who has the most total raw score during holiday? (1 point).

Q5: What day has the highest raw score? (1 point).

Q6: How many bowlers have low total raw score (<6,000), medium total raw score (<7,000), and high total raw score (>10,000)? (1 point).

Q7: In DimDate, create 'Fiscal' hierarchy that include Month and Year. Show total handicap score by fiscal year (1 point).

Q8: Create perspective for an analyst to see only max handicap score (other tables are still readable). Show bowler has the highest handicap score (1 point).

Q9: Create KPI 'High Performance.' The KPI is defined as total raw score divided by highest raw score. Show bowler has low KPI (> 3), medium KPI (>= 2.9), and high KPI (< 2.9) (1 point).

Q10: Write your own question and solve it (1 point).