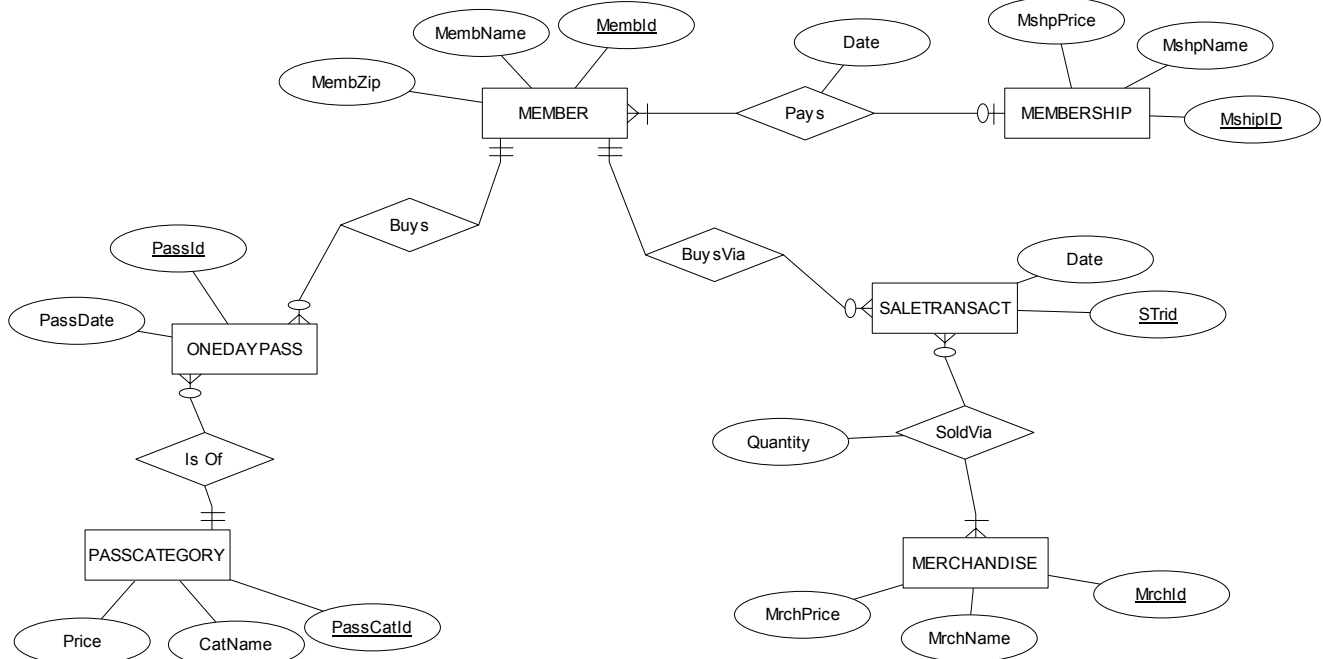


**QUESTION:** Create a star schema diagram that will enable FIT-WORLD GYM INC. to analyze their revenue.

- The fact table will include: for every instance of revenue taken – attribute(s) useful for analyzing revenue.
- The star schema will include all dimensions that can be useful for analyzing revenue.
- The only data sources available are shown below.

**SOURCE 1**

“FIT-WORLD GYM” Operational Database: ER-Diagram and the tables based on it (with data)



MEMBER				
Membld	MembName	MembZip	MshpID	MsDatePayed
111	Joe	60611	M1	1-Jan-04
222	Mary	60640	M3	1-Jan-04
333	Sue	60611	M3	1-Jan-04

MEMBERSHIP		
MshpID	MshpName	MshpPrice
M1	Platinum	\$1,000
M2	Gold	\$800
M3	Value	\$300

ONE DAY PASS CATEGORY		
PassCatId	CatName	Price
PSA	Adult	\$20
PSS	Senior	\$10
PSK	Kid	\$3

MERCHANDISE		
MrchID	MrchName	MrchPrice
AP1	T-shirt	\$11
AP2	Hat	\$9
EQ1	Jump Rope	\$12

* ONE DAY GUEST PASS			
Passld	PassDate	PassCatId	Membld
1-001	1-Jan-04	PSA	111
1-002	1-Jan-04	PSA	333
1-003	2-Jan-04	PSK	333

SALE TRANSACTION		
STrId	Date	Membld
11111	1-Jan-04	333
11112	2-Jan-04	222
11113	3-Jan-04	111

SOLD VIA		
STrId	MrchId	Quantity
11111	AP1	1
11111	AP2	1
11112	AP2	1
11113	EQ1	3

\* Members can bring in non-member guests.  
For each non-member guest, a member buys a one-day-guest-pass of a certain pass category.

**SOURCE 2**

“FIT-WORLD GYM” Special Events Table

Corporate Customer ID	Corporate Customer Name and Location	Event Type Code	Event Type	Event Date	Amount Charged
CC1	Sears, Chicago 60640	L-A	All Day Rental,	January 4, 2004	\$3500
CC2	Boeing, Chicago 60611	L-H	Half Day Rental,	January 5, 2004	\$2200