

# Premiere Products Data Warehouse

Team members:    XXXX XXXXX  
                  XXXXXXXXXXXX XXXXXXXXXXXX  
                  XXXX XXXXX  
                  XXXXXXXX XXXXXXXX

# Company Business Environment

- Premiere Product is distributor of
  - Appliances
  - House wares
  - Sporting Goods
- The company is in the product market
- Located in United states with
  - 8 territories
  - 20 sales representatives



# PP Data Warehouse

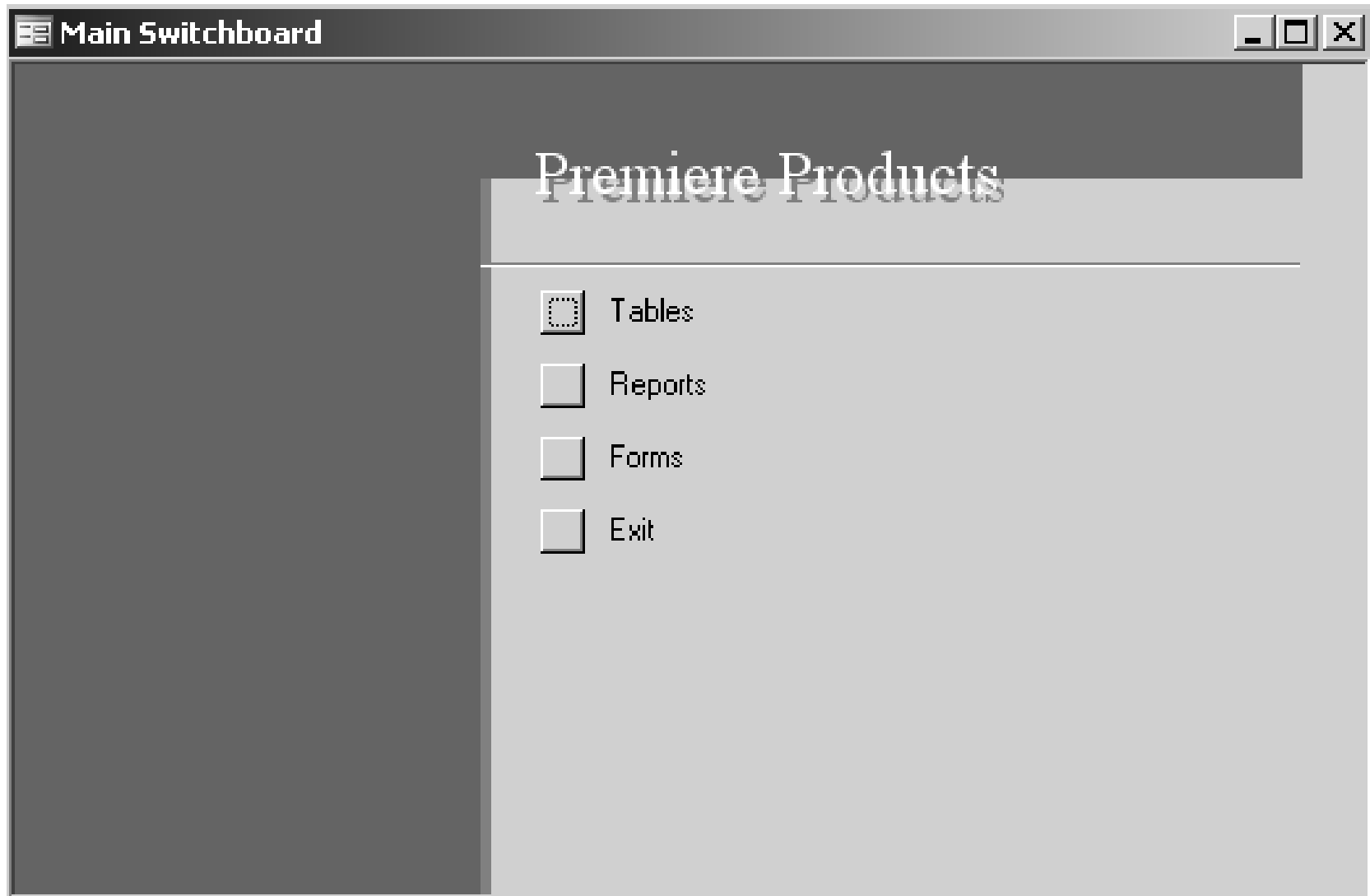
- Scope of the DW
  - Designed to assist management in answering important questions about the business
- Covers sales and distribution data
  - Sales Representatives and their attributes
    - Names
    - Address
    - Commission Rates
    - Territory
  - Customers
  - Parts
  - Star Schema and
  - The relationship among these entities



# Menu System

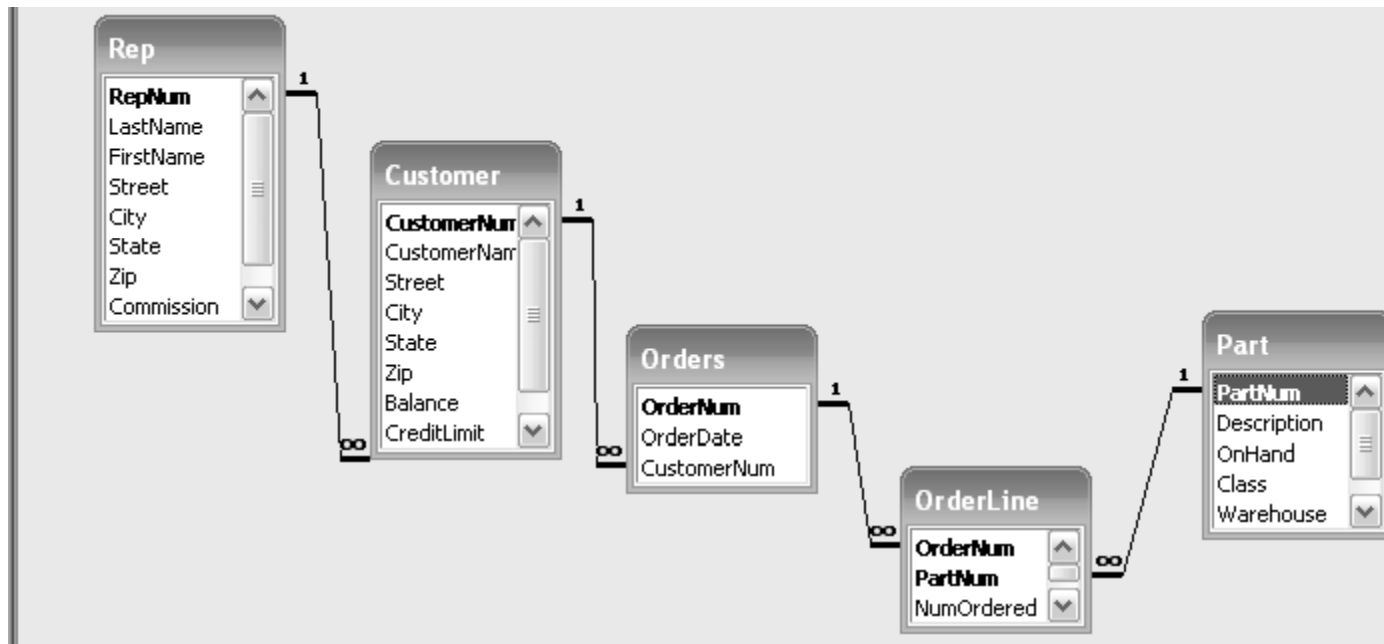
- Our Menu system Contains
  - Switch Board that can generate these reports based on Total Sales by
    - Month
    - Customer by Month
    - Rep by Month
    - Month by Rep.
    - Parts by Month by Territory
    - Territory by Month by Rep

# Menu System



# Transactional DB Design

This was the original Premiere Product transactional data base with its relationships



# The original PP DB contained

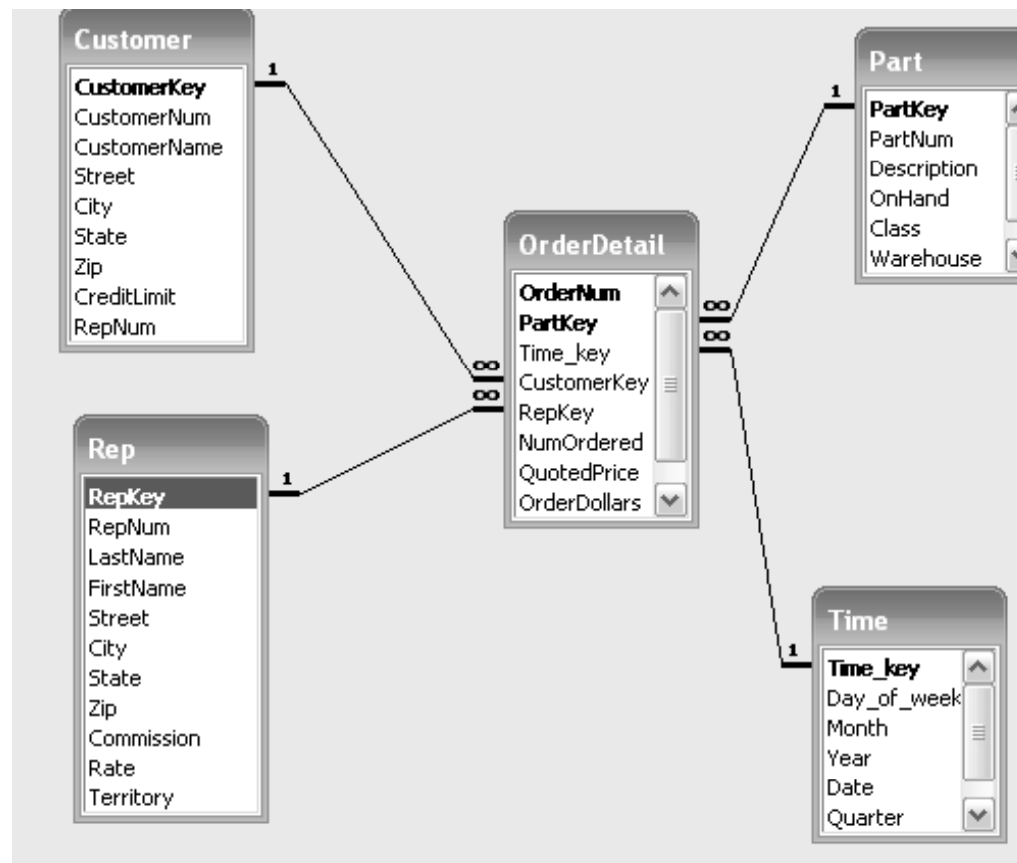
- Normalized data
- Relationship among these tables
  - Sales Rep
  - Customers
  - Orders
  - Order line and
  - Parts
- Supported day to day operations
- Information updated continuously as its added

# The New Data Warehouse

- Was developed by first denormalizing the original table
- Created new dimension tables
- Created new fact table With
  - Order Details
- Contains a star diagram instead of relationship diagram as shown below

# The New Star Diagram

- Updated



# Data Transformation

- During the development of the new data warehouse we
  - Denormalized the original data
  - Create a new fact table
  - Added a PartNum Column on OrderLine5 and populate it in
  - Changed the CreditLimit to match the fields on Customer8
  - Changed the CustomerNum Field to 5 characters

# Reporting

- This data warehouse is able to report
  - The most ordered parts
  - Average number of orders per month
  - Parts that generates the largest revenue
  - Average revenue generate by each territory per month
  - Total revenue generated last year by each customer

# Reporting Features



## Total Sales by Month

Year	Month	TotalSales
2004		
	Jan	\$356,178.00
	Feb	\$170,087.02
	Mar	\$16,098.46
	Apr	\$4,607.35
	May	\$926.15
	Jun	\$5,878.18
	Jul	\$1,933.17
	Aug	\$537.90
	Sep	\$4,454.86
	Oct	\$13,428.76
	Nov	\$122,600.07
	Dec	\$47,038.33
2005		
	Jan	\$273,132.63
	Feb	\$25,813.19
	Mar	\$51,075.42
	Apr	\$17,930.85
	May	\$30,077.93
	Jun	\$38,841.27
	Jul	\$36,975.24
	Aug	\$39,077.46
	Sep	\$3,357.07
	Oct	\$3,094.52
	Nov	\$71,177.75
	Dec	\$7,470.32
2006		
	Jan	\$285,904.12
	Feb	\$89,144.82
	Mar	\$20,306.01
	Apr	\$9,950.58
	May	\$21,282.57
	Jun	\$14,538.01

# Summary

- This data warehouse can provide us with information for
  - Reporting purposes
  - Predicting the sales trend