



Management Information Systems

- Data Management – Basic Data Manipulation

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Outline

- Finding and Displaying Information
 - simple queries
 - logical operators
 - logical connectors
 - data from multiple tables
- Creating Tables / Entering data
- Update / Deletion

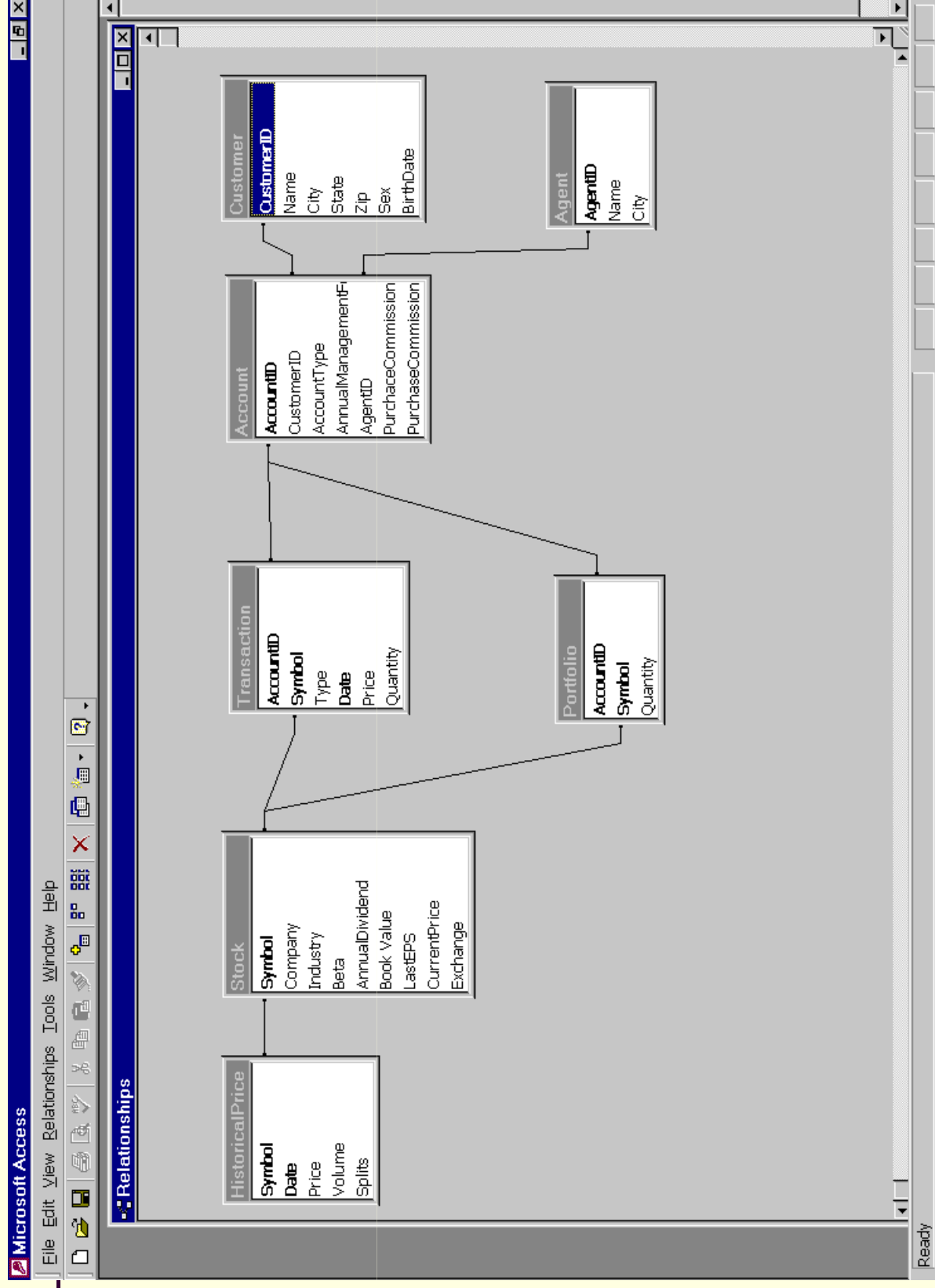
Microsoft Access

- From the course web site, download the stocks.mdb database and save it as *YourLastnameStocksClassWork.mdb*
- QBE Grid (Query By Example)
 - Create Query in Design Wizard
 - Add necessary tables
 - Fill out the grid with
 - required fields from various tables
 - displayed fields
 - necessary filter conditions (criteria)
 - sorting
- Run Query
- Save Query
- View Results (datasheet view)

SQL in Microsoft Access

- View or Modify an SQL statement
 - Create query or open existing one
 - From View Menu, choose SQL (SQL view button)
 - Change the SQL statement
 - Choose run or datasheet to see results
- Creating SQL-specific Queries
 - Choose new query / existing query
 - Choose SQL specific from Queries menu

Stocks Database



Finding and Displaying Information

- Display all details of all customers
- Display all stock details
- Display name, gender and birthdate of all customers (demographics data)
- Display ticker, company name and price of all stocks

Finding and Displaying Information

- Display all customers in Boston
- Display all hardware industry stocks
- Display name and city for male customers
- Display ticker, and name for stocks traded in AMEX

Multiple Conditions

- AND
- OR
- NOT
- Display Boston customers older than 40
- Display NYSE stocks with beta exceeding 1

Multiple Conditions

- Display software stocks with eps exceeding 20 cents
- Display software and hardware stocks with eps exceeding 20 cents
- Display software and hardware stocks with eps exceeding 20 cents with a positive dividend
- Display non-retail stocks with beta exceeding 1

Using Logical Operators

- =
- >, >=
- <, <=
- BETWEEN ... AND
- LIKE
- IS NULL
- IN
- ANY

Using Logical Operators

- Display all stocks with beta in the range 0.8 to 1.2
- Display all stocks with beta in the range 0.8 to 1.2 and eps exceeding 20 cents
- Display all details of Dell Computer
- Display all details of stocks that start with the letter D