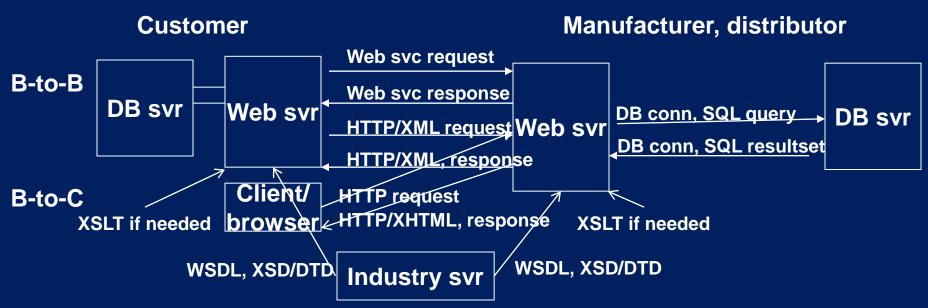# 1.264 Lecture 24 (Solutions)

Service Oriented Architecture
Electronic Data Interchange (EDI)

Next class: Anderson chapter 1, 2. Exercise due <u>before</u> class

Solution- case study

Customer **Manufacturer, distributor**

B-to-B

DB svr — Web svr

Web svc request →
← Web svc response
HTTP/XML request →
← HTTP/XML, response

Web svr

DB conn, SQL query →
← DB conn, SQL resultset

DB svr

B-to-C

XSLT if needed

Client/browser

HTTP request →
HTTP/XHTML, response

XSLT if needed

WSDL, XSD/DTD

Industry svr

WSDL, XSD/DTD

- **XSLT used by customer or manufacturer/distributor to alter XML being sent or received**
- **XSD and/or DTD used by customer or manufacturer/ distributor to validate XML being sent or rec'd**
- **Web services package the HTTP, XML, XSD, request/response and URL used in "raw" XML transfers**
- **Web services described in WSDL documents in registry. E.g.,**
  - **Manufacturer/distributor registers Web service in UDDI registry**
  - **Customer discovers Web service and invokes it on mfr/distrib Web server**
- **Visual tool: CSS for XHTML, XSLT for XML**

1.264J / ESD.264J Database, Internet, and Systems Integration Technologies
Fall 2013