

IS / IT in the Enterprise

Business Strategy & IT

- Technology is no longer an afterthought in business strategy, but the cause and driver
- IT can change the way businesses compete
 - Nicholas Carr "Does IT Matter"
- A strategic information system is any information system that uses IT to help an organization...
 - Gain a competitive advantage
 - Reduce a competitive disadvantage
 - Or meet other strategic enterprise objectives
- Value Chain a chain of basic activities that add value to its products and services

Business Systems ERP

- ERP is:
 - A process of managing all resources and their use in the entire enterprise in a coordinated manner
 - ERP is a set of integrated business applications, or modules which carry out common business functions such as general ledger, sales forecasting....
 - Support business through optimizing, maintaining, and tracking business functions: HR, financial, manufacturing etc...

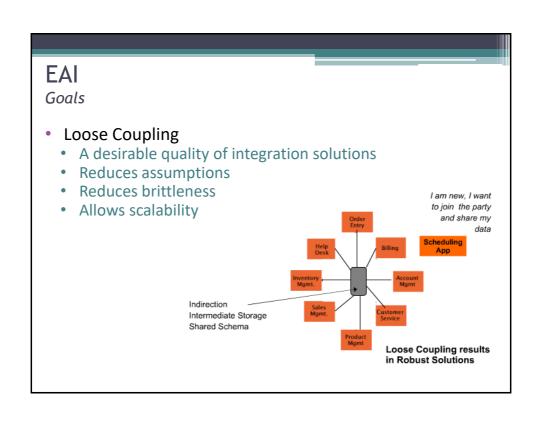
Business Systems

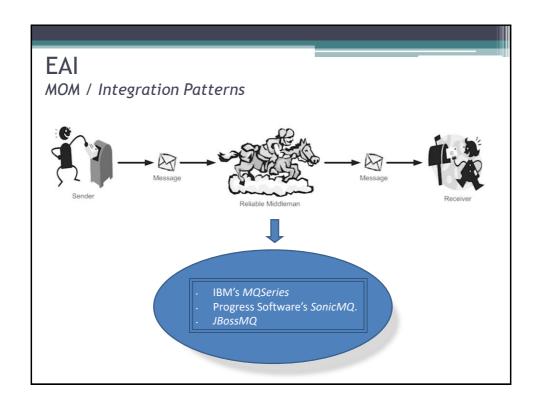
- Supply chain management (SCM)
 - The function of planning, organising and optimising the supply chain's activities.
- It consists of two areas:
 - The flow of materials, information, money and services from raw material suppliers, through factories and warehouses, to the end customers
 - · Supply chains exist within businesses and between/across businesses
 - A network of facilities for procuring materials, transforming raw materials into finished products,' and distributing finished produce to customers.

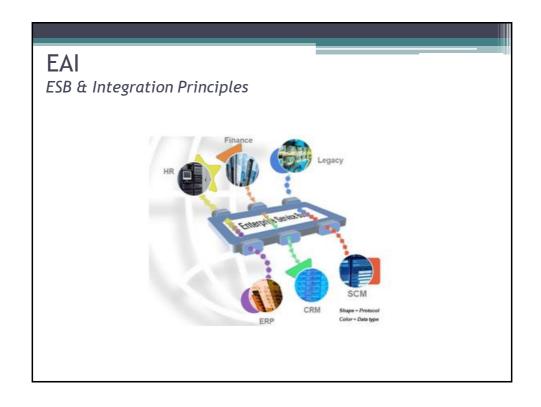
Business Systems CRM An enterprise wide effort to acquire and retain customers. Includes a one-to-one relationship between a customer and a seller. One simple idea "Treat different customers differently". Helps keep profitable customers and maximizes lifetime revenue from them. Identify/acquire/retain most profitable prospects Acquisition is far more expensive that retention. Integrating information from sales, marketing, customer service and any other service points Also known as touch points — where the customer interacts with the organisation Therefore must provide analytical tools for determining value, loyalty, profitability of customers Assist in acquiring new customers, providing better service and

support to customers, customize offerings to customer

preferences, provide ongoing value to retain profitable customers







Enterprise Integration Technology

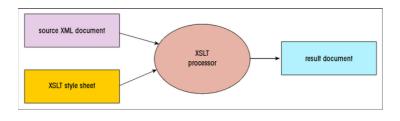
- Stands for EXtensible Markup Language
- Similar to HTML
- XML was designed to carry data, not to display data like HTML
- XML tags are not predefined. You must define your own tags

Enterprise Integration Technology XSD

- A schema is an XML document that defines the content and structure of one or more XML documents.
- Alternative to Document Type Definitions (DTDs)
- The XML document containing the content is called the instance document.

Enterprise Integration Technology

- W3C developed the Extensible Style sheet Language (XSL)
- XSL is composed of three parts:
 - XSL-FO (Extensible Style sheet Language Formatting Objects)
 - XSLT (Extensible Style sheet Language Transformations)
 - XPath



Exam

- Answer 3 out of 4 questions
- Each question carries equal marks
- 2 hours for exam
 - 10 minutes to read paper / choose questions
 - 33 minutes per question
 - 10 minutes to re-read your answers

Exam

- Questions are similar in nature to past papers
- We have covered material that has not been covered in years previous to 2013/2014.
- There will be 1 question from each of sections 1, 2 and 3 and one other question from one of those three sections as described earlier.
- Section 4 has been assessed through CA. However, go through lab material for work involving XML / XSD / XSL and MOM as you may want to use this to support answers to other questions

Question Types

- Most questions will be discursive in nature
 - E.g. Discuss three areas that you think give rise to obstacles that hinder the adoption / implementation of an SCM system [12 marks].
 - Trust
 - Resistance
 - Cost