



Assignment for Next Class

- Read chapter 5
- · Self-Assessment test chapter 5
- Check that you know the key terms listed on p. 218
- Prepare review questions Chapter 5: 1, 4, 5, 8, 11

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Flextronics /QuoteWin

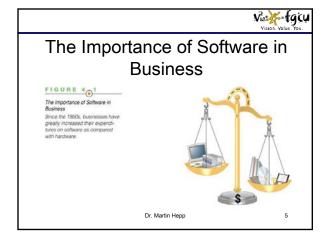
- Review the case (see p. 131)
- What is the problem with QuoteWin from a supplier's perspective?

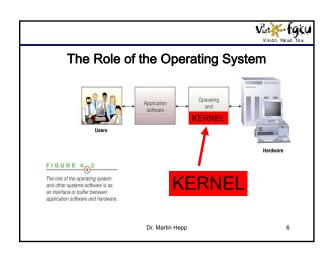
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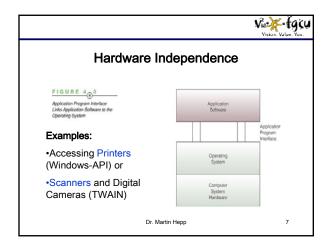


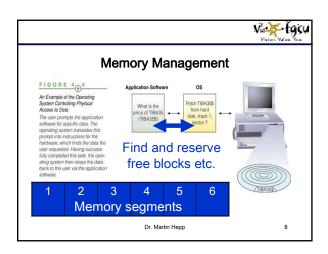
An Overview of Software

- Computer program sequences of instructions for the computer
- Documentation describes program functions
- Systems software coordinates the activities of hardware & programs
- Applications software helps users solve particular problems











Processing Tasks

- Multitasking more than one program (task) can run at a time using a single processor
- Multi-User OS multiple users can simultaneously use the resources of a single processor
- Scalability easy adaptation to more users or tasks

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Vision. Value. You.

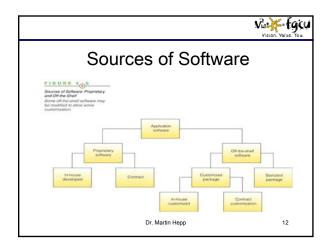
System Speed and RAM

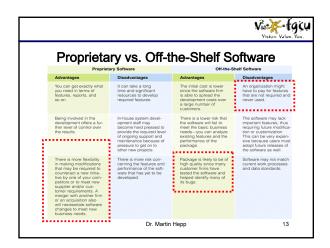
- Why does a bigger primary storage capacity (more RAM) increase your PCs speed?
- Does more memory always lead to a higher system performance?

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Off-the-Shelf Software

 The book says on page 147 that one should check whether the software manufacturer is financially solvent and reliable. Why?



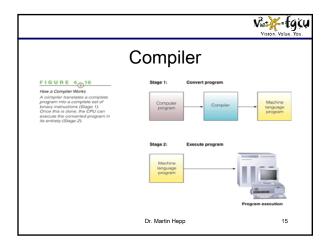




What is **Integrated** Software?

- · Data Integration: "One fact at one place"
- Functionality Integration: one function can interact with others (copy and paste inside one program)
- Application Integration: Two or more software applications can interact.
- Process Integration: Two or more business processes are connected.

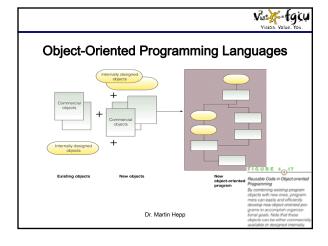
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Object-Oriented Programming Languages

- **Objects** data and actions that can be performed on the data
- Encapsulation group items into an object
- **Polymorphism** one procedure can work with multiple objects
- Inheritance an object in a particular class gets attributes of that class







Information Systems ISM 3011

Fall 2004 Unit 4B

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chare Outcourcing

Va: Fgcu

Case 1: Offshore Outsourcing Question 1

- Reason 1:
 - Savings due to lower wages (cost of hiring programmers 1/7)
- · Reason 2:
 - Shortage of U.S. programmers
- · Reason 3:
 - Work can be done around the clock (-> time-zone differences)

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Case 1: Offshore Outsourcing Question 2

- · Lack of Control
 - Need for strong project management, budget and quality control
- Communications
 - Language, cultural, and social barriers
 - U.S. everyday tasks and requirements must be specified in detail (SSN format,...)

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Case 1: Offshore Outsourcing Question 3

- · Knowledge must be revealed
 - internal procedures etc.
- Possible Project Failure
 - The results cannot be used as planned.
 - Serious Delays
- · Loss of Skills

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Case 1: Offshore Outsourcing Question 4

- Send U.S. Project Management Team to Offshore Site
- · Establish Short Feedback Cycles
 - Compile prototype daily

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Case 2: Crystal Flash, ASP Question 1

- Crystal Flash Can Focus on Its Competitive Advantages.
- · Free Human Resources



Case 2: Crystal Flash, ASP Question 2

- Flexibility
 - Crystal Flash can define its own sales processes.
- · Less Paperwork
 - Sales staff saves time
- Real-time Information/Reports

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Case 2: Crystal Flash, ASP Question 3

· Check www.salesnet.com

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Case 2: Crystal Flash, ASP Question 4

- Customer Data, Sales Processes, etc. Contain Extremely Sensitive Information
 - Nobody else should have access
- · Sales Processes Tolerate No Outages
 - Internet outages, technical problems, and the risk of bankruptcy are serious dangers.

Summary: Sales Processes Are Not Suited for Outsourcing/ASP

(please feel free to disagree: mhepp@computer.org ©)

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Case 3: Microsoft Question 1

- Think of lost work, missed deadlines, nightshifts, unsatisfying grades,...
- ...Always make and keep backup copies of important work,

at least once a day, in the very final stage several times a day.

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Case 3: Microsoft Question 2

- Bug-fixes Can Be Delivered Easily Via The Internet
 - Compare that to product recalls in the automotive industry...
- Market Share Is Extremely Important for Success in the Software Industry

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Case 3: Microsoft Question 3

- · Long History of Bugs in MS Software
- Programming Style and Company Culture
- · Focus on Innovation and Speed
- Consumer Software: Trade-off between Quality and Price



Case 3: Microsoft Question 4

- Change Release Procedures
- · Modify Software Architecture

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Thank you!

The slides will be available on the internet at http://ruby.fgcu.edu/courses/mhepp/ (-> CRN80097)

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