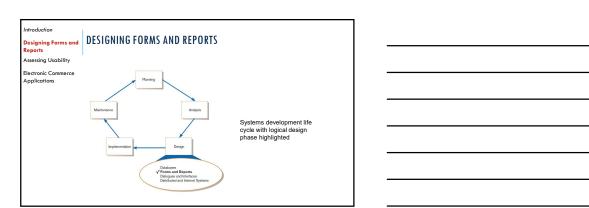


Introduction		
Designing Forms and Reports	LEARNING OBJECTIVES	
Formatting Forms and Reports	✓Explain the process of designing forms and reports and the	
Assessing Usability	deliverables for their creation.	
Electronic Commerce Applications	✓ Apply the general guidelines for formatting forms and reports.	
урганов	√ Use color and know when color improves the usability of information.	
	√ Format text, tables, and lists effectively.	
	√Explain how to assess usability and describe how variations in users, tasks, technology, and environmental characteristics influence the usability of forms and reports.	
	$\checkmark$ Discuss guidelines for the design of forms and reports for Internet-based electronic commerce systems.	



Introduction  Designing Forms and Reports  Assessing Usability	DESIGNING FORMS AND REPORTS (CONT.)
Electronic Commerce Applications	Form: a business document that contains some predefined data and may include some areas where additional data are to be filled in  *An instance of a form is typically based on one database record.
4	

Designing Forms and DESIGNING FORMS AND REPORTS (CONT.)

Report: a business document that contains only predefined data
•It is a possive document used solely for reading or viewing data.

A report typically contains data from many unrelated records or transactions.

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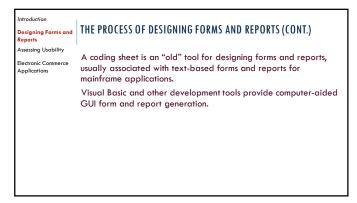
Electronic Commerce

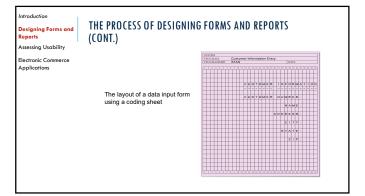
### Introduction Designing Forms and Reports Assessing Usability Electronic Commerce Applications Common Types of Reports: Scheduled: produced at predefined time intervals for routine information needs Key-indicator: provides summary of critical information on regular basis Exception: highlights data outside of normal operating ranges Drill-down: provides details behind summary of key-indicator or exception reports Ad-hoc: responds to unplanned requests for non-routine information needs

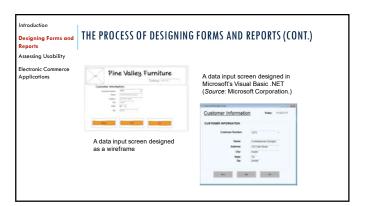
Introduction  Designing Forms and Reports  Assessing Usability	THE PROCESS OF DESIGNING FORMS AND REPORTS
Electronic Commerce Applications	Is a user-focused activity.
	Follows a prototyping approach.  First steps are to gain an understanding of the intended user and task objectives by collecting initial requirements during requirements determination.
	Wireframe •A simple design to show the placement of information elements on a screen and the space needed for each element

Introduction	I	
Designing Forms and Reports	THE PROCESS OF DESIGNING FORMS AND REPORTS	
Assessing Usability		
Electronic Commerce Applications	Requirements determination:  *Who will use the form or report?  *What is the purpose of the form or report?  *When is the report needed or used?  *Where does the form or report need to be delivered and used?  *How many people need to use or view the form or report?	

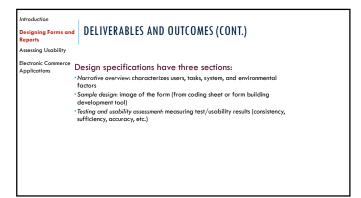
Introduction  Designing Forms and Reports  Assessing Usability	THE PROCESS OF DESIGNING FORMS AND REPORTS (CONT.)
Electronic Commerce Applications	Prototyping Initial prototype is designed from requirements. Users review prototype design and either accept the design or request changes. If changes are requested, the construction-evaluation-refinement cycle is repeated until the design is accepted.

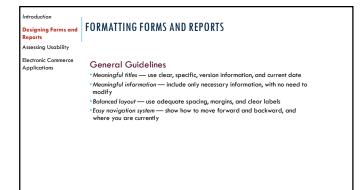


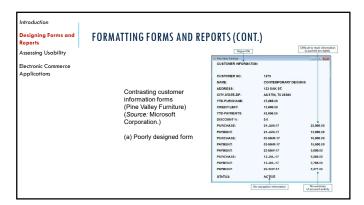


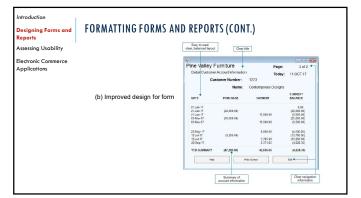


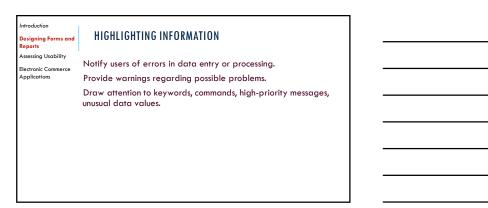
Introduction		
Designing Forms and Reports	DELIVERABLES AND OUTCOMES	
Assessing Usability	Design on a discontinuo and the major deliterately and come	
Electronic Commerce Applications	Design specifications are the major deliverables and serve as inputs to the system implementation phase.	
	The forms, reports, and designed databases we've talked about so far are part of the design specifications.	

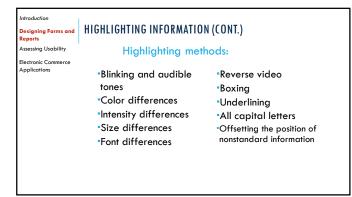


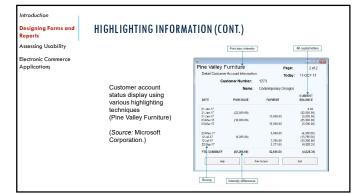




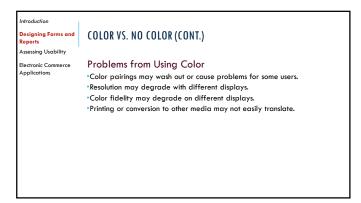




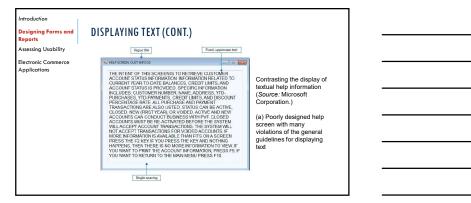


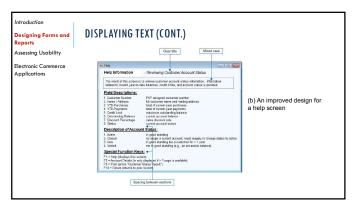


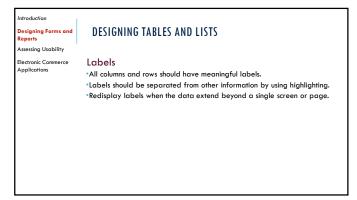
Introduction	
Designing Forms and Reports	COLOR VS. NO COLOR
Assessing Usability	
Electronic Commerce	
Applications	Benefits — Color:
	*Soothes or strikes the eye.
	*Accents an uninteresting display.
	<ul> <li>Facilitates subtle discriminations in complex displays.</li> </ul>
	<ul> <li>Emphasizes the logical organization of information.</li> </ul>
	*Draws attention to warnings.
	*Evokes more emotional reactions.
1	

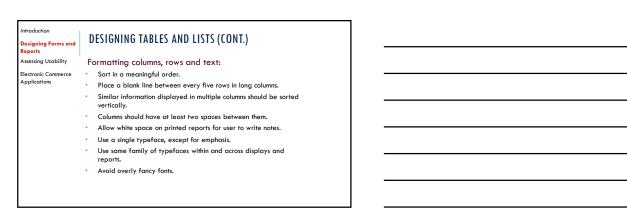


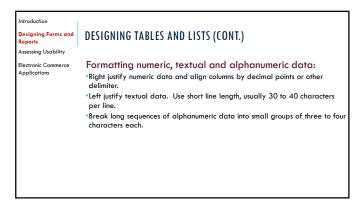
# Introduction Designing Forms and Reports Assessing Usability Electronic Commerce Applications Case: display in mixed upper and lower case, use conventional punctuation Spacing: use double spacing if possible, otherwise blank lines between paragraphs Justification: left justify text, ragged right margins Hyphenation: don't hyphenate words between lines Abbreviations: use only when widely understood and significantly shorter than full text

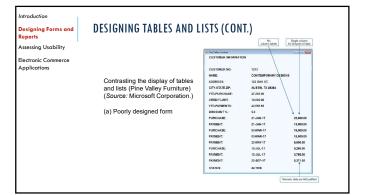


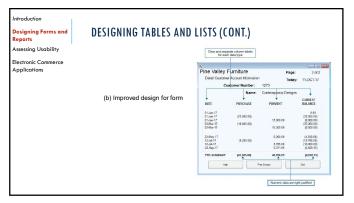


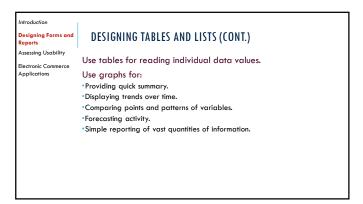


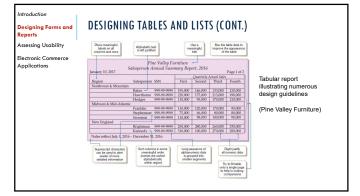


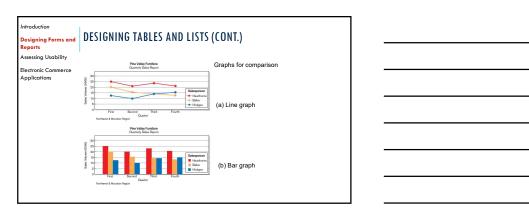












Introduction	
Designing Forms and Reports	PAPER VS. ELECTRONIC REPORTS
Assessing Usability Electronic Commerce Applications	Laser and ink-jet printers can print reports that look like display screen *Same guidelines apply
	High-speed impact printers are faster, but less user-friendly in appearance Good for large batch reports The coding sheet from figure 10-2 may be useful for these types of reports

Designing Forms and Reports

### Assessing Usability

Electronic Commerce Applications

### ASSESSING USABILITY

 $\textbf{Usability:} \ \text{an overall evaluation of how a system}$ performs in supporting a particular user for  $\boldsymbol{\alpha}$ particular task

Three characteristics of usability:

- Accuracy Does the output provide what you expect?
- Satisfaction Do you like using the output?

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### Introduction

Designing Forms and Reports

### Assessing Usability

Electronic Commerce

### **USABILITY SUCCESS FACTORS**

Consistency — of terminology, formatting, titles, navigation, response time

 $\textbf{Organization} - - \operatorname{good} \operatorname{text} / \operatorname{data} \operatorname{alignment} \operatorname{for} \operatorname{efficient}$ navigation and entry

Ease - self-explanatory outputs and labels

Flexibility — maximize user options for data input according to preference



Introduction	HEADILITY CHECTES TACTORS (CONT.)
Designing Forms and Reports	USABILITY SUCCESS FACTORS (CONT.)
Assessing Usability Electronic Commerce Applications	Characteristics for consideration:  *User: experience, skills, motivation, education, personality  *Task: time pressure, cost of errors, work durations  *System: platform  *Environment: social and physical issues

# Introduction Designing Forms and Reports Assessing Usability Electronic Commerce Applications Learnability — how difficult to perform the task for the first time? Efficiency — how quick can user perform task once learned? Error rate — how frequent are errors, how easy to recover? Memorability — how easy is it to remember task accomplishment steps? Satisfaction and aesthetics — does the user enjoy the user experience?

Introduction	
Designing Forms and Reports	LIGHTWEIGHT GRAPHICS
Assessing Usability	
Electronic Commerce Applications	Lightweight Graphics: the use of small, simple images to allow a Web page to more quickly be displayed  •Quick image download  •Quick feedback from the Web site will help to keep customers at the PVF WebStore longer

		7
Introduction		
Designing Forms and Reports	FORMS AND DATA INTEGRITY RULES	
Assessing Usability		
Electronic Commerce	All forms that request information should be clearly labeled and	-
	provide adequate room for input.	
	Specific fields requiring specific information must provide a clear	
	example.	
	Forms must designate which fields are optional, required, and which have a range of values.	
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Introduction	STYLESHEET-BASED HTML	
Designing Forms and Reports	STITESHEET-DASEN HIME	
Assessing Usability		
Electronic Commerce Applications	A web design approach that separates content from the way in which it is formatted and presented	
Applications	Makes ongoing maintenance easier	
	Facilitates site-wide consistency	-
	,	
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41		
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Introduction	CHMMADV	
Designing Forms and Reports	SUMMARY	
Assessing Usability		
Electronic Commerce	In this unit you learned how to:	
Applications	<ul> <li>Explain the process of designing forms and reports and the deliverables for their creation.</li> </ul>	
	✓ Apply the general guidelines for formatting forms and reports.	-
	$\checkmark$ Use color and know when color improves the usability of information.	
	Format text, tables, and lists effectively.	
	✓ Explain how to assess usability and describe how variations in users, tasks, technology, and environmental characteristics influence the usability of forms	
	and reports.	
	√ Discuss guidelines for the design of forms and reports for Internet-based electronic commerce systems.	
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