# Designing Embedded User Assistance for an Inductive UI

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#### What we'll cover in this session

- What exactly is an inductive UI?
- What do we mean by embedded user assistance?
- What types of information does the user assistance for an inductive UI need to provide?
- What is the best way to provide this information?
- How can we cater for the diverse needs of a mixed audience?

### What exactly is an inductive UI?

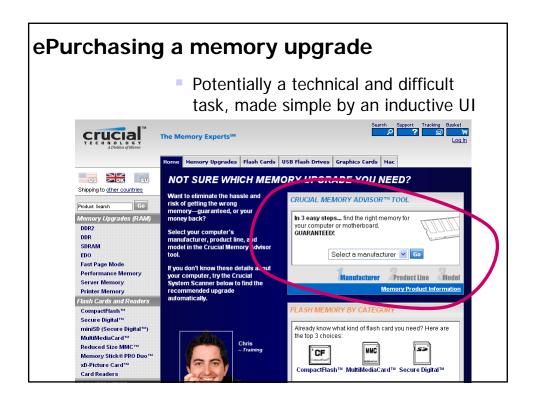


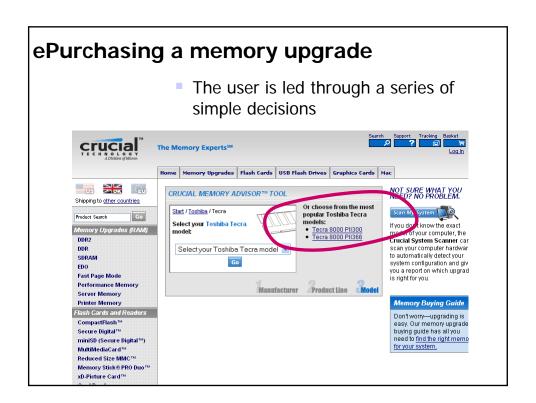
- Inductive: inducing or influencing; leading on
- Inducing: leading or moving, as to a course of action, by influence or persuasion
- Inductive UI design says: "a screen with a single, clearly stated, explicit purpose is easier to understand than a page without such a purpose".

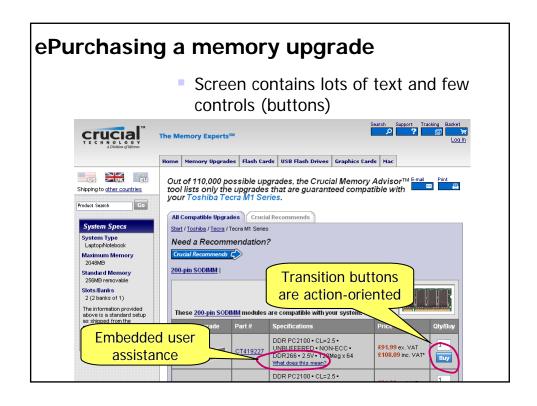
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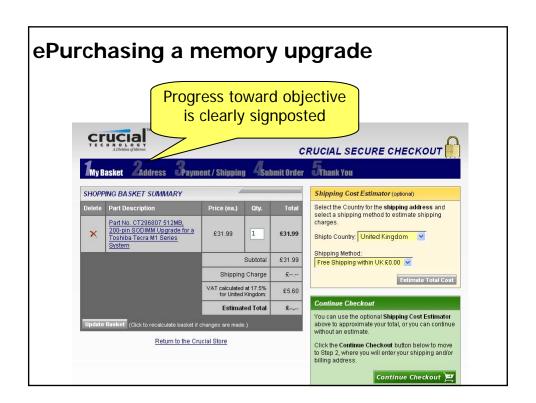
## Compare to eCommerce web applications

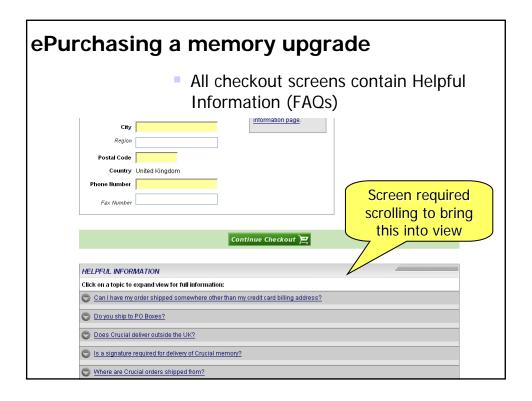
- Goal-oriented
- Task-based
- One task step per screen
- Text-rich
- Application designer has a significant interest in users completing tasks and achieving goals successfully









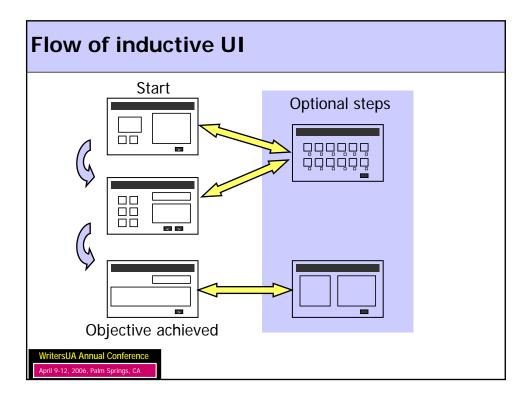


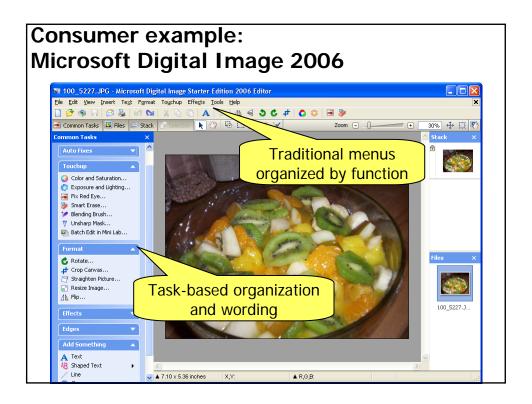
#### **Features of inductive UI**

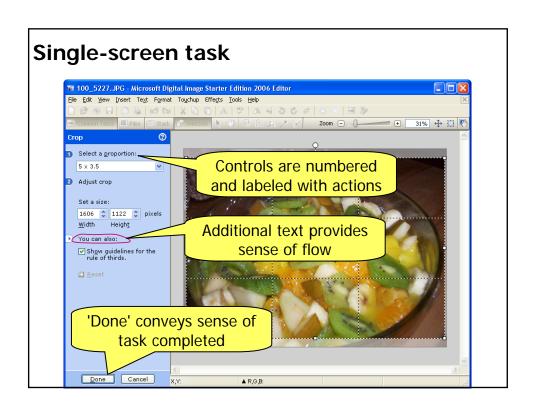
- One task (or activity) per screen not one control per screen
- Text explanation of task and controls
- Web-like navigation controls to other tasks
- Sequence or flow of screens to achieve an overall objective or super-task

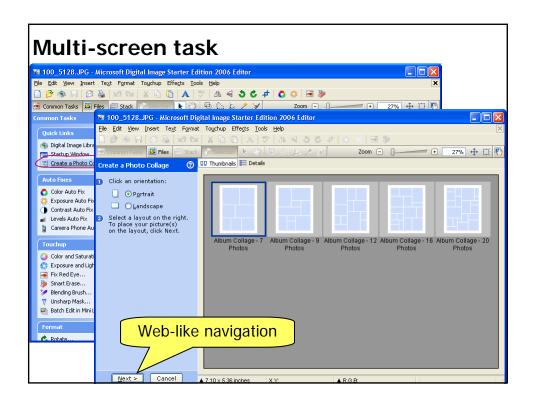
## Extract from Microsoft Inductive UI guidelines

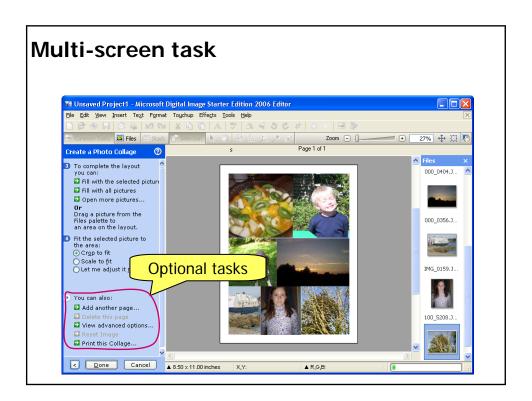
- "IUI is an extension of the common Web-style interface.
  - In the Web environment, pages have to be simple and task-based because each piece of information has to be sent to a server over a relatively slow connection. The server then responds with the next step, and so on.
- Good Web design means focusing on a single task per page and providing navigation forward and backward through pages.
- Similarly, inductive navigation starts with focusing the activity on each page to a single, primary task."

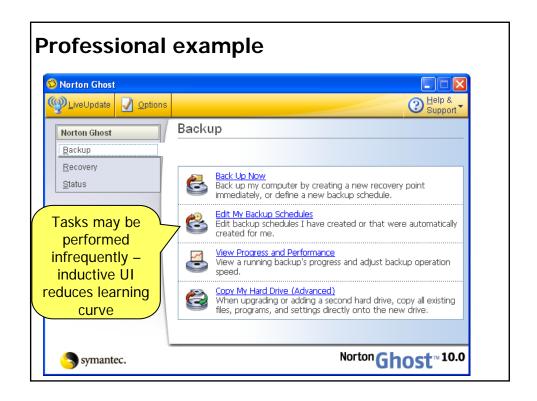


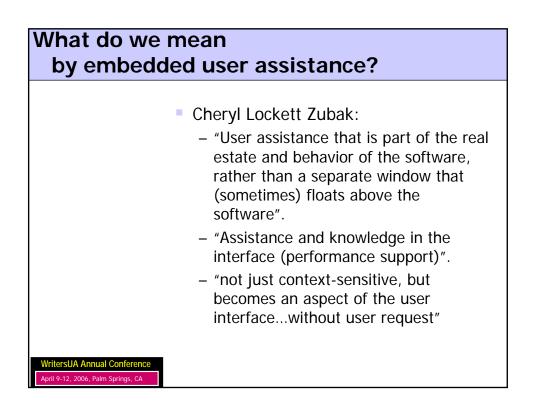






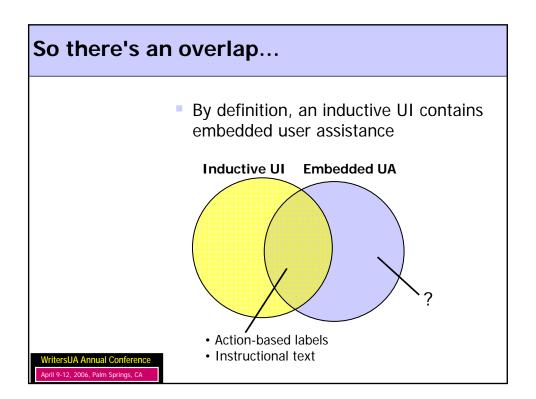






## Advantages of embedded user assistance

- Offers assistance at the point of need
- Keeps users on task and does not interrupt workflow
- Can provide links to more information
- Users see embedded user assistance as part of the application rather than "Help"

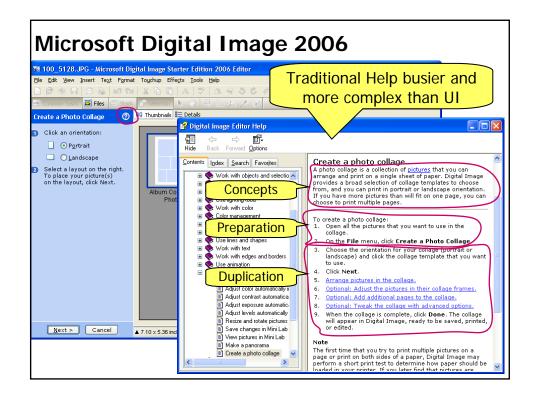


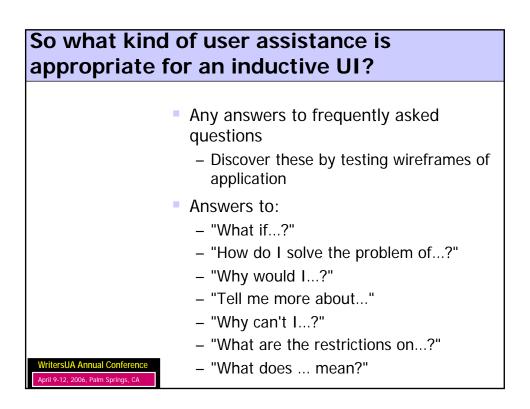
#### **Traditional Help information types**

Information Type	Included in inductive UI	Additional UA required
<ul><li>Field/control descriptions</li></ul>	$\square$	(☑ detail)
Dialog/screen descriptions	$\overline{\mathbf{V}}$	(☑ detail)
Quick ref. (shortcuts, etc.)		$\square$
Procedures	$\overline{\mathbf{V}}$	
<ul><li>Troubleshooting</li></ul>		Ø
Concepts	(☑)	Ø
<ul><li>Application overview</li></ul>		$\square$
Process overview		$\square$
<ul><li>Orientation/getting started</li></ul>		Ø

#### **Procedural information**

- "How to..."
- Often the core of a traditional Help system
- Provides a sequential layer on top of essentially non-sequential UIs
- Separate step-by-step Help is redundant for inductive UI
- Risk of procedural Help being less intuitive and more complex than the UI itself!





#### **Embedded Help components**

- Static snippets of user assistance throughout the UI
- Dedicated user assistance pane
- Links to pop-up user assistance
- Links to Help window

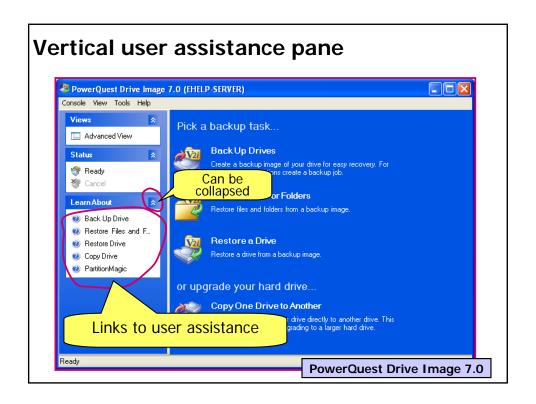
#### Notes:

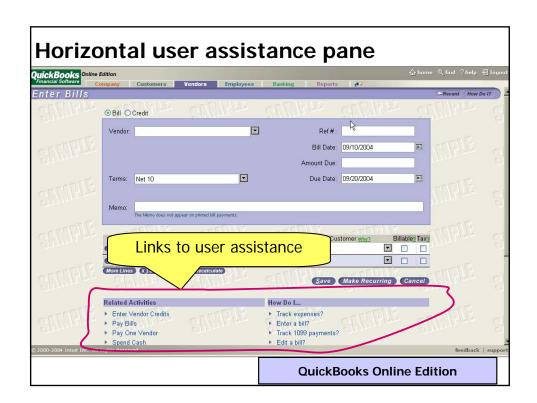
- All the above need to be designed in from the start
- A user assistance specialist must be involved in the UI design/creation process

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#### Dedicated user assistance pane

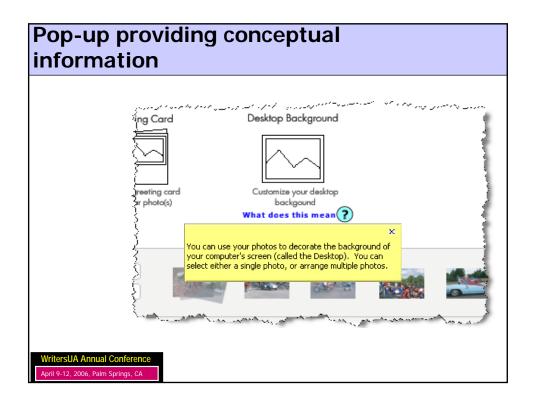
- Useful for providing screen overviews and related concepts
- Takes up valuable screen real estate, therefore benefits need to be compelling
- Ideally optional (user can switch it off)
- May contain:
  - User assistance
  - Links to user assistance
  - Mixture of both
- Vertical or horizontal orientation (fight for left or top position)

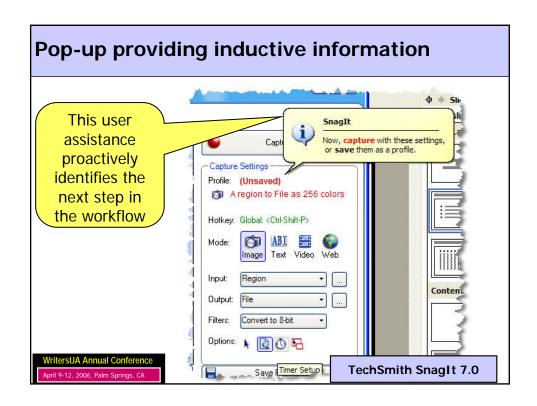


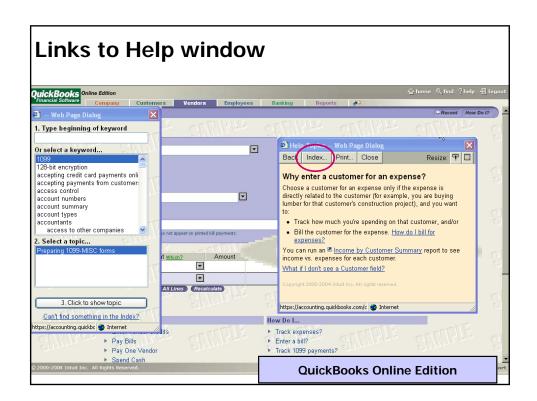


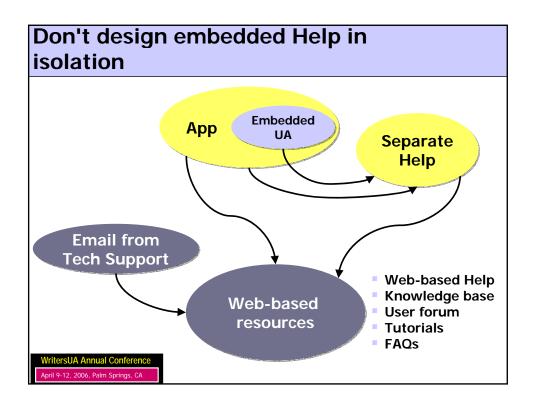
#### Pop-up user assistance

- Useful for:
  - defining terms
  - explaining concepts
  - describing controls
- Pop-up topic may contain a link to a separate Help window for more detailed information









#### Catering for mixed audiences

- Enable users to choose whether or not they see the user assistance
  - Use hyperlinks to user assistance (in pop-ups or separate Help window)
  - Enable users to close or collapse the Help pane
  - Automatically hide user assistance after a specified level of experience
  - Enable users to express their preference for the level of user assistance



