

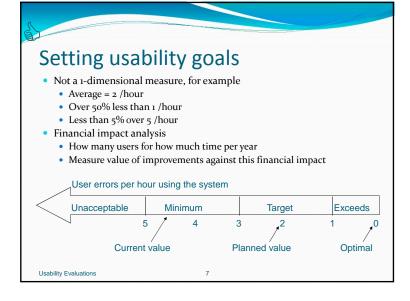


## **Usability Factors**

- Fit for use (or functionality) Can the system support the tasks that the user wants to perform
- Ease of learning How fast can a user who has never seen the user interface before learn it sufficiently well to accomplish basic tasks?
- Efficiency of use Once an experienced user has learned to use the system, how fast can he or she accomplish tasks?
- Memorability If a user has used the system before, can he or she remember enough to use it effectively the next time or does the user have to start over again learning everything?
- Error frequency and severity How often do users make errors while using the system, how serious are these errors, and how do users recover from these errors?
- **Subjective satisfaction** How much does the user *like* using the system?

Usability Evaluations

5





## Fit for use

- Does the system function as expected
  - Do the users meet their goals in a timely fashion?
- Finding 'bugs' otherwise know as errors is NOT the goal!
  - usability testing ≠ system testing
- What are the system goals?
  - To achieve a specific state
  - Book a flight
  - Pay someone the correct amount
  - To participate in a computer mediated experience
  - Play games

Usability Evaluations

6

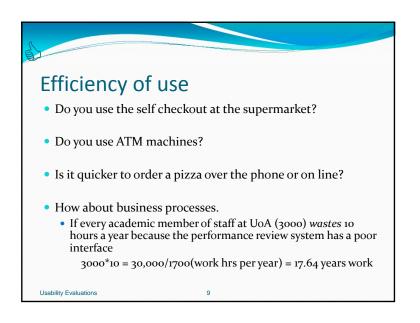


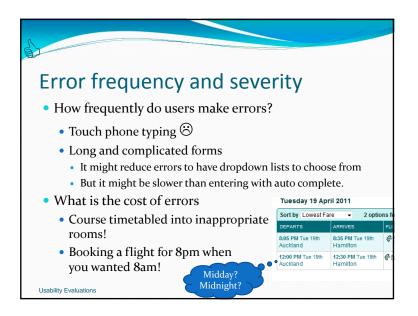
## Ease of learning

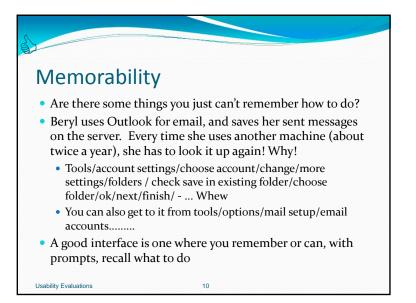
- Do you expect to have to read a manual or the help?
- How much time are you prepared to invest in
  - Learning a new interface?
  - Finding something on a web site?
- What are your usability expectations for a
  - programming IDE?
  - a mobile phone?

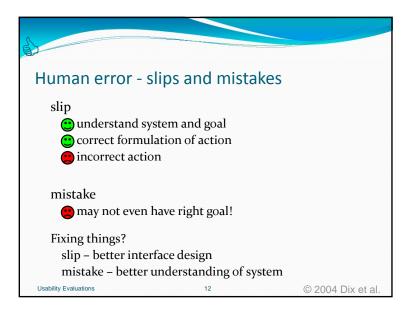
Usability Evaluations

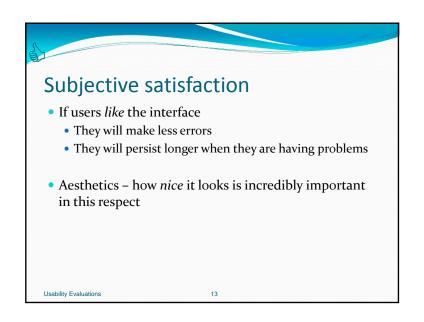
8

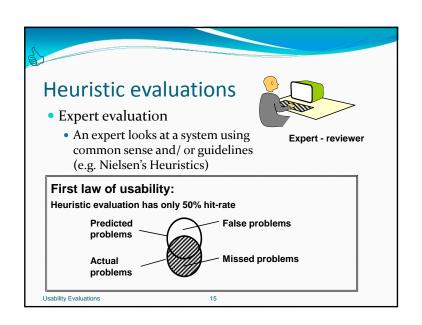


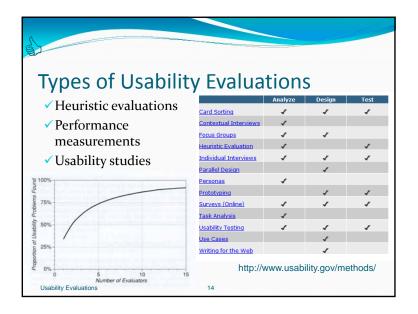


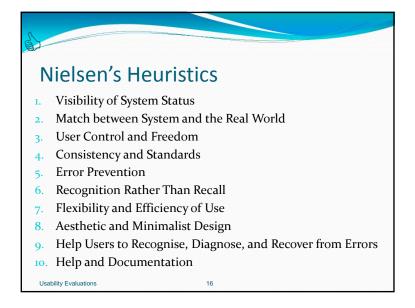


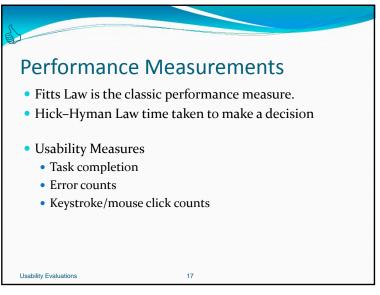


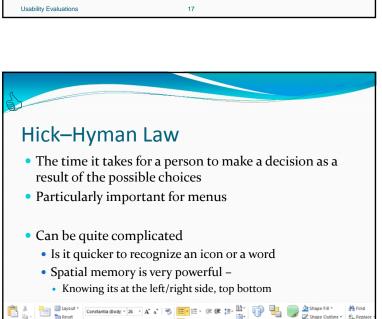












Usability Evaluations

