Vorlesung Mensch-Maschine-Interaktion

Summary & Selected Issues

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WS2003/2004
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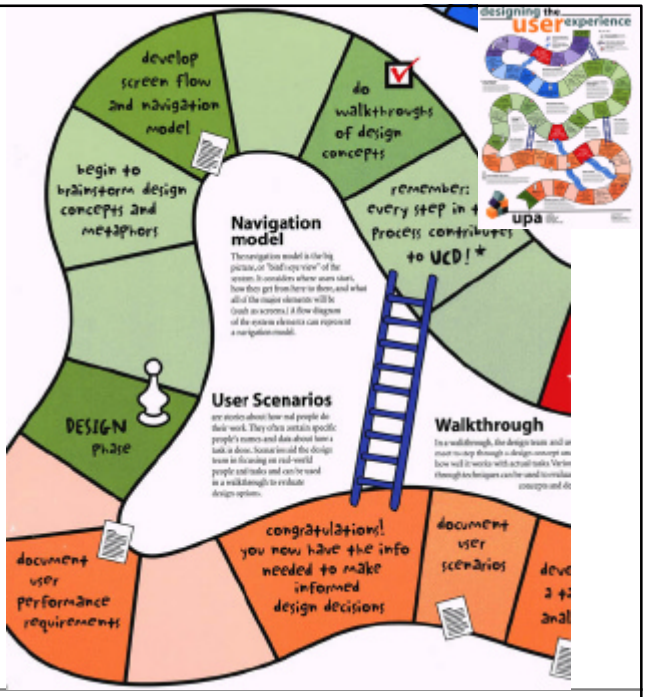
UPA

Designing The User Experience

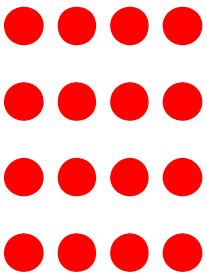
- Poster
- Design Process as Game ☺
- Important concepts briefly explained

- http://www.upassoc.org



Gestalt Perception

- Grouping items into group based on
  - Proximity
  - Similarity



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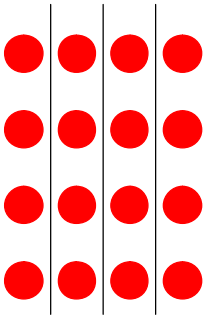

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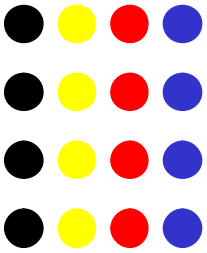


Gestalt Perception Example

- Keep red
- Off line
- ???

Gestalt Perception Example

- Keep off red lines
- !!!

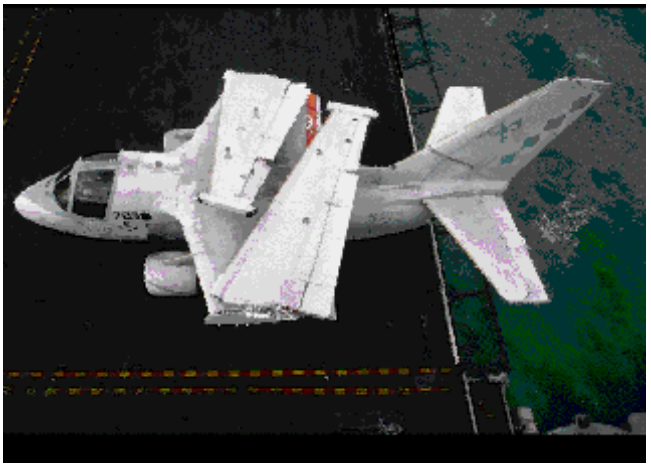
Change Blindness

- phenomenon in visual perception
- large changes in a scene are not noticed
- Happens when there is a short distraction, e.g.
  - “mud splashes”
  - “brief flicker”
  - “cover box”

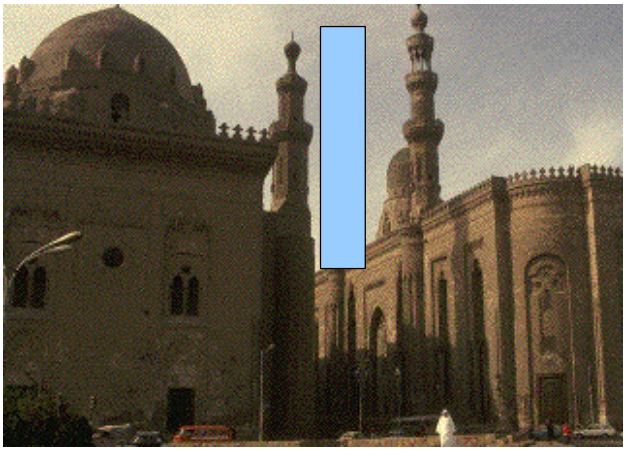
http://nivea.psycho.univ-paris5.fr/ECS/ECS-CB.html

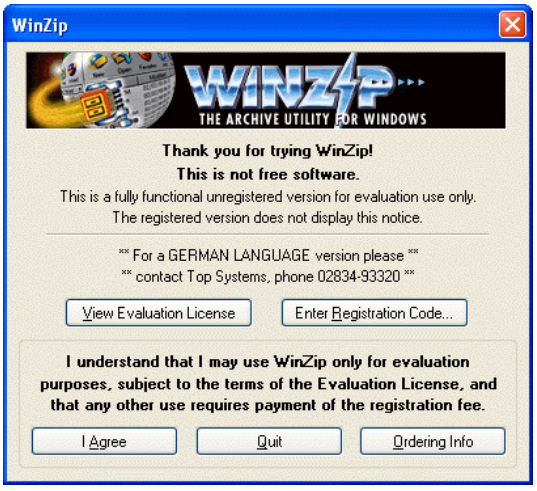
Change blindness example: mud splashes

Change blindness example: flicker



Change blindness example: box

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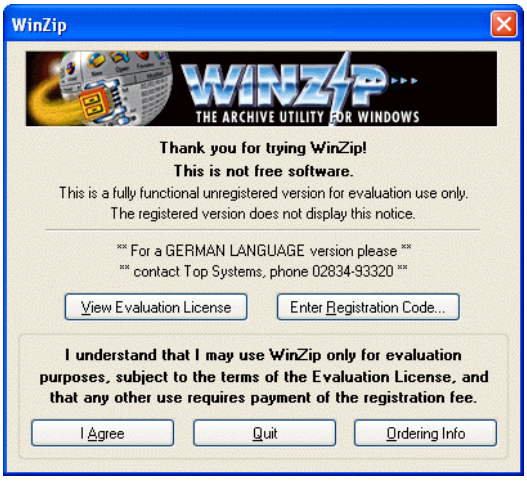
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Any Ideas???

- Apply this to www applications?
- To multimedia presentations?

- … talk to me about a project

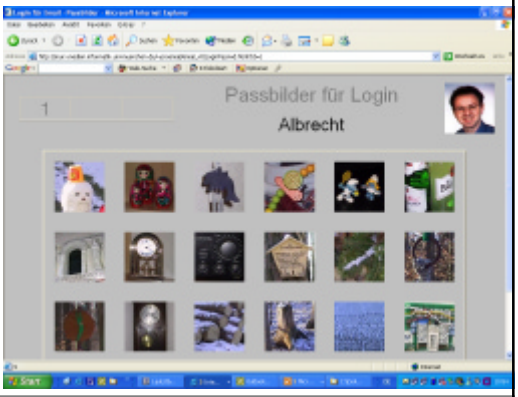
References

- Change blindness demo applet http://www.usd.edu/psyc301/Rensink.htm
- Encyclopedia of Cognitive Science: Change blindness http://nivea.psycho.univ-paris5.fr/ECS/ECS-CB.html

Student Project: New Dimensions to Digital Photos

- Photos are taken
  - At a certain location
  - At a specific time
  - Under particular conditions (light, temperature, …)
  - In a user chosen angle
- … but usually we only display an image!
- Can we record the extra information and use it in a slide show?

Announcements

- Slides will be structured and corrected…
- All Homework is due by March, 1st

Will do an open-source PHP implementation of the image authentication – please write me an email if you are interested in taking part