

Designing Interactive Systems I

Lab 6: Gestalt Laws (again), A05, History

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<https://hci.rwth-aachen.de/dis>



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General Remarks

- Please use grammar- and spellcheckers for English text
- Do not make claims if you have not tested them. I.e. we have improved the usability greatly



Word Usage

Intuitive

- Easy to use and understand
 - Oxford Dictionary (3rd December 2020)

Usability

- The degree to which something is able or fit to be used
 - Oxford Dictionary (3rd December 2020)

Accessibility

- The quality of being able to be reached or entered
 - Oxford Dictionary (3rd December 2020)



Word Usage

We increased the usability by redesigning the keyboard in accordance with our user study results.

We increased the written characters per minute (CPM) by 14% by rearranging the commonly used letters such that they are closer to the initial starting position of the user's hand resting position. We can reach the 14% CPM increase after a learning phase of 21 hours.

Do not just claim an increase in usability but explain what issue you addressed and how your changes can improve on this issue.

Gestalt Laws (again)



Gestalt Laws (again) - Closure



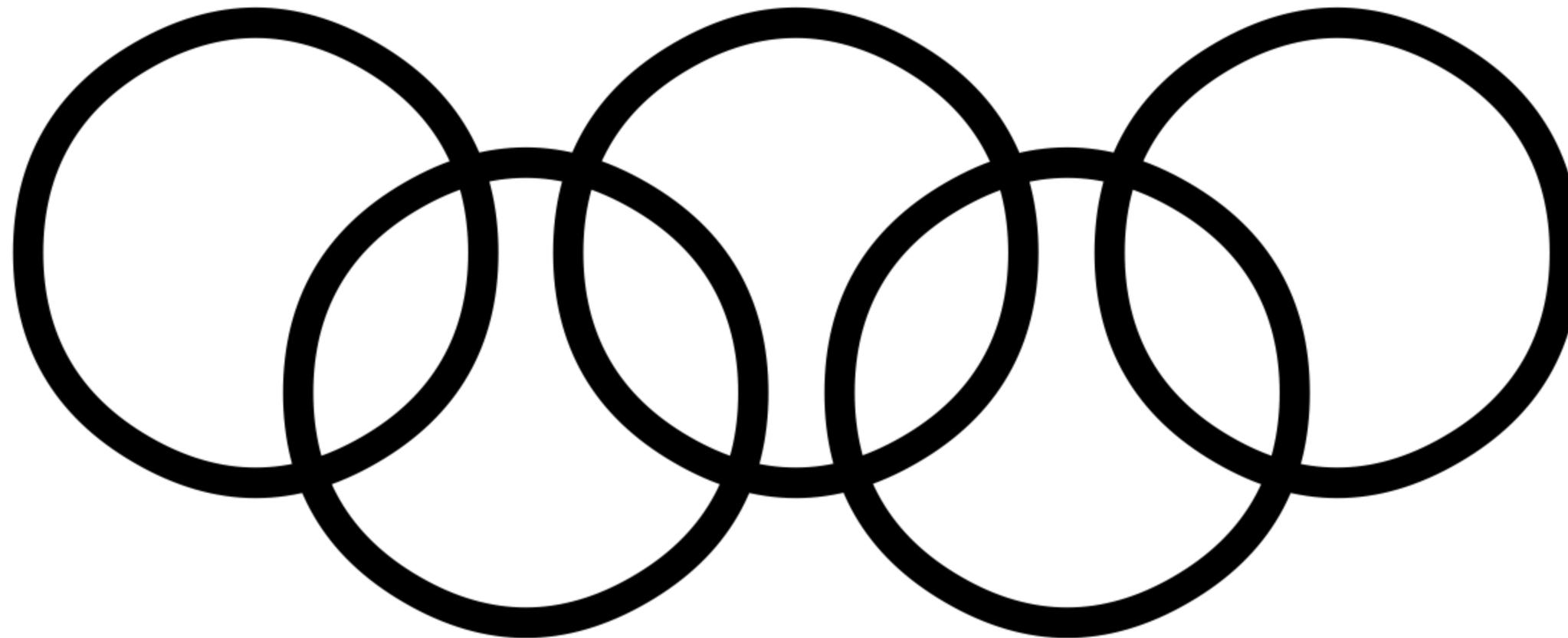
Gestalt Laws (again) - Experience



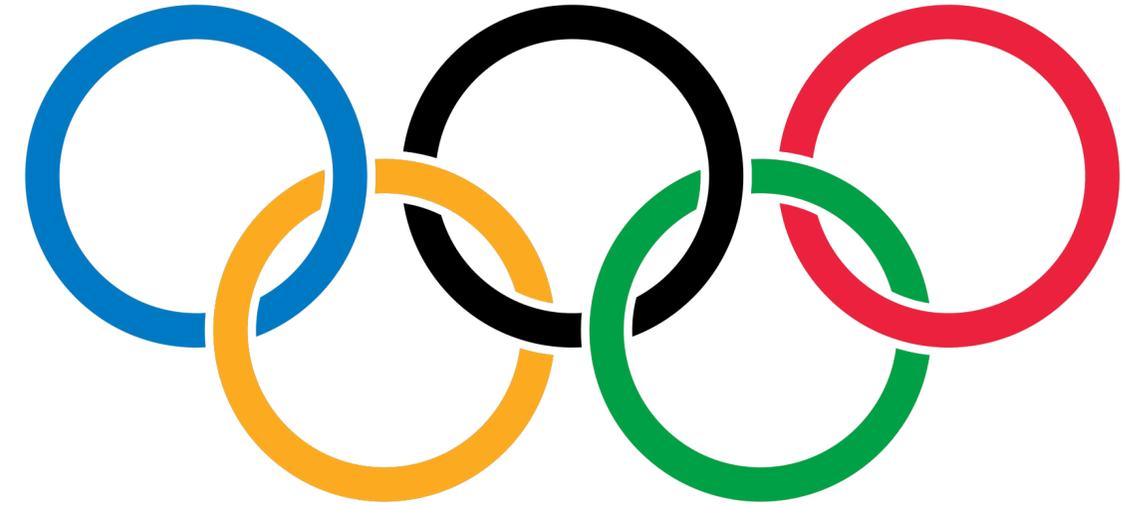
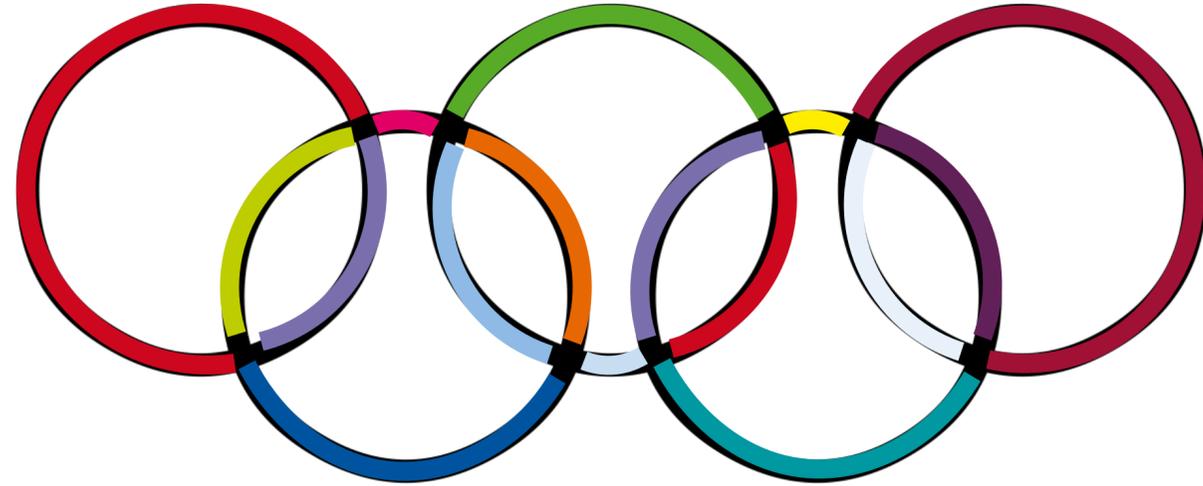
TOBLERONE



Gestalt Laws (again) - Good Shape



Gestalt Laws (again) - Good Shape



Assignment 05



Visual Design Violations

Find instances of documents like posters, newspaper articles, business cards, menu cards, and brochures (You can use digital documents like PDFs too) which violate the visual design principles that were discussed in the lecture—contrast, repetition, alignment, and proximity. Identify six violations which should include at least one violation for each of the four design principles. For each violation, mention which design principle has been violated, describe the violation, and explain why this provides possibilities for improvement, i.e., makes the information for example hard to process and understand.



30 JAHRE

SCHAU
AM BAU
13.07.2018

ab 18:00 Uhr
Eintritt frei!
keine Getränkemitnahme!



18-19 Uhr
Bier zum
halben Preis!

 karriere.
bauen.
ac
 Domino's
 SUBWAY
SUBWAY Aachen
Peterstraße 8
Krefelderstraße 216
 bauingenieur 24.de
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HCI History



In-Class Exercise: Memex, Sketchpad, and NLS

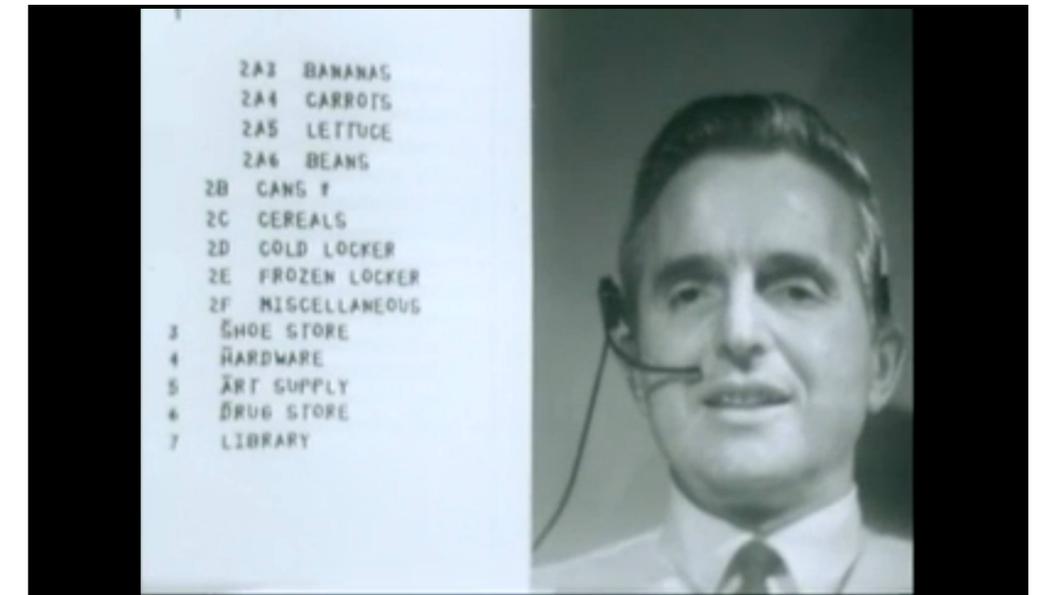
- What are some features of Memex, Sketchpad, and NLS that we currently use? How have these features evolved?
- What are the features from these systems that do not currently exist? Why do you think they do not exist?



Memex by Vannevar Bush (1945)
Animation built by Dynamic Diagrams for ACM SIGIR conference in 1995.



Sketchpad by Ivan Sutherland (1963)
Video shown in ACM CHI '83 SGVR Issue 13



oN-Line System by Douglas Engelbart (1968)