



### University of Minnesota

### LIBRARIES



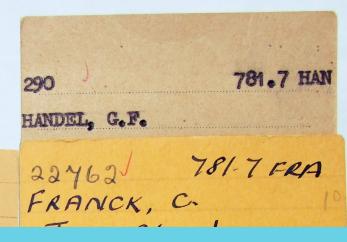
information literacy librarian sue

KATE Peterson

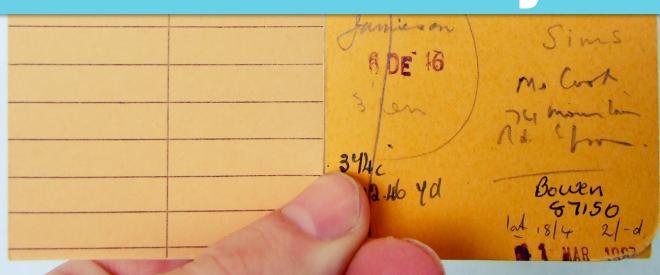


instructional designer

PAUL Zenke



## We are interested in you.



290 781.7 HAN

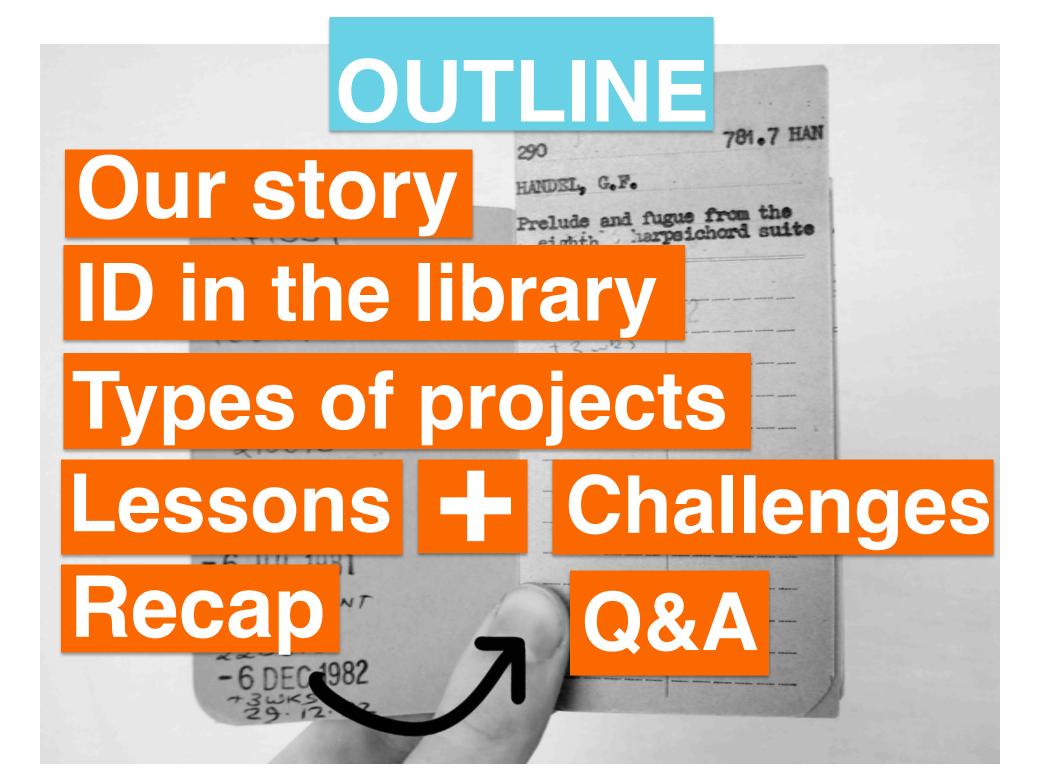
## In one word, describe your instructional design training in Library school?





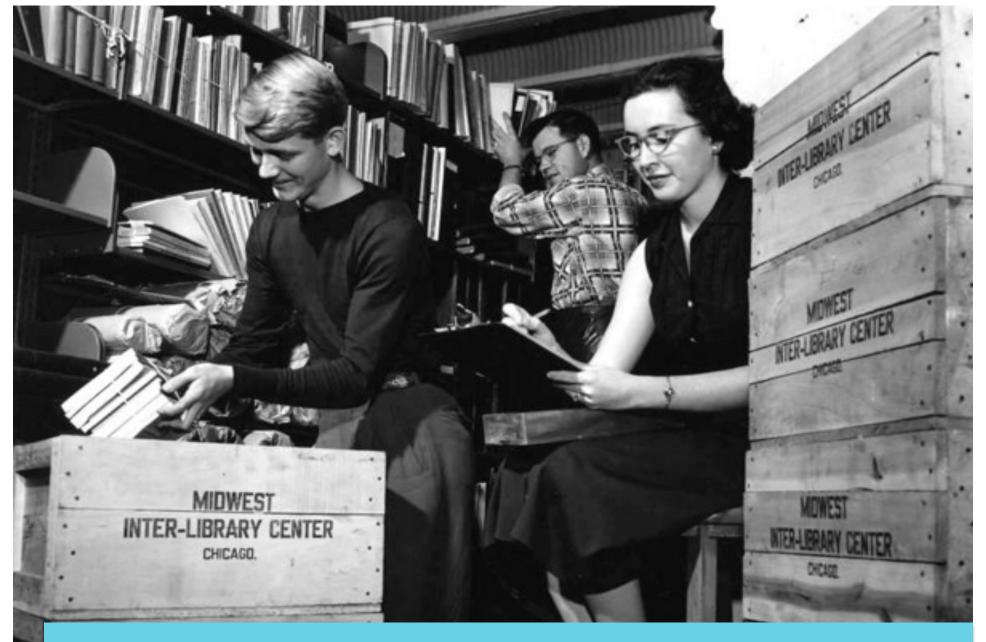
# What percentage of your day-to-day work would you say is "instructional design"?









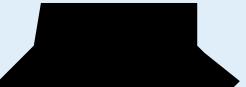


## Process and Workflow









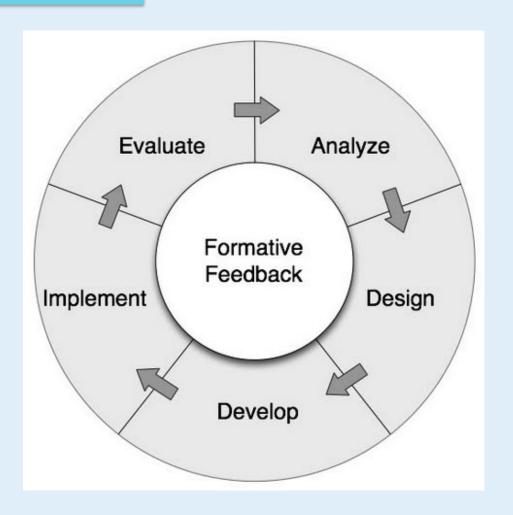


## Instructional designers help support student learning through the effective use of academic technology.

228670 -6 DEC 1982

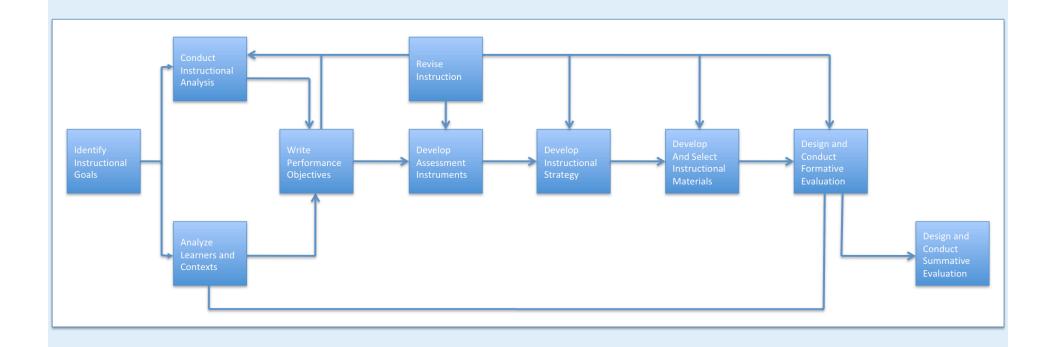
781.7 HAN 290 HANDEL, G.F. 22462 781-7 FRA FRANCK C. Process

## MODELS



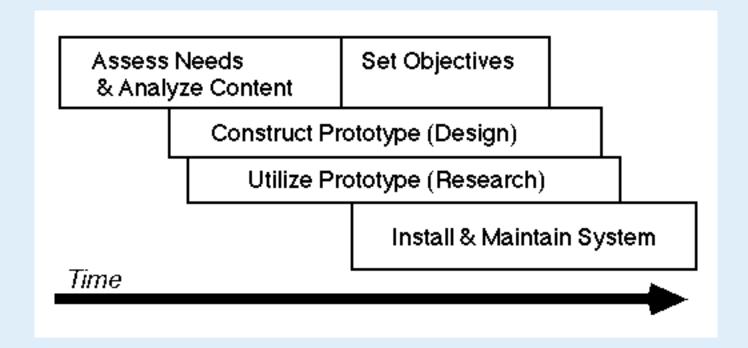


## MODELS



### DICK & CAREY

### MODELS



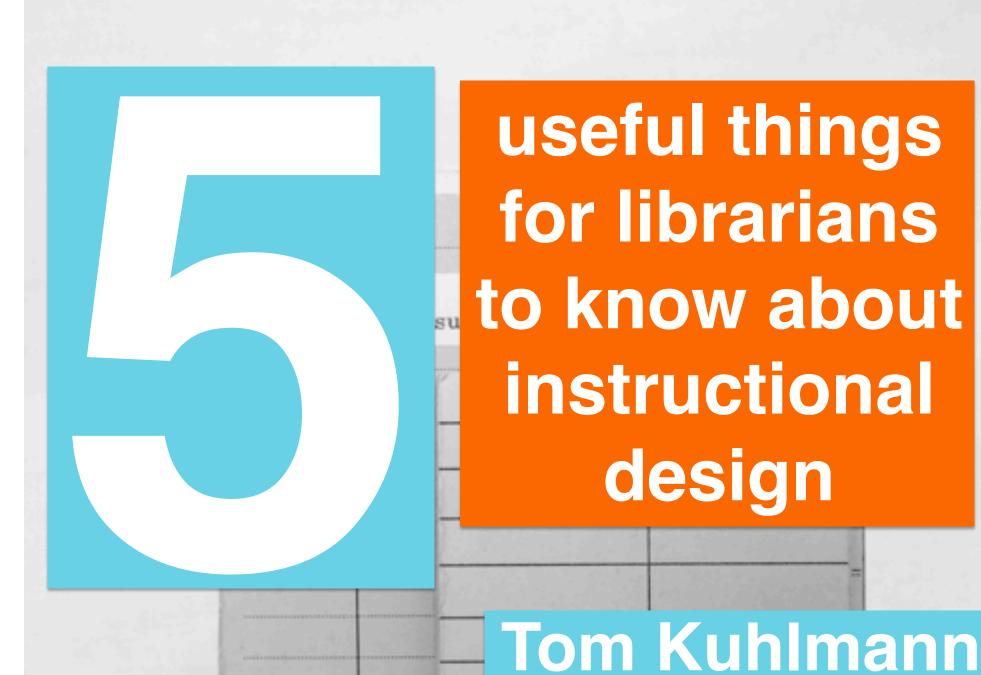
### RAPID PROTOTYPING

### Common Elements

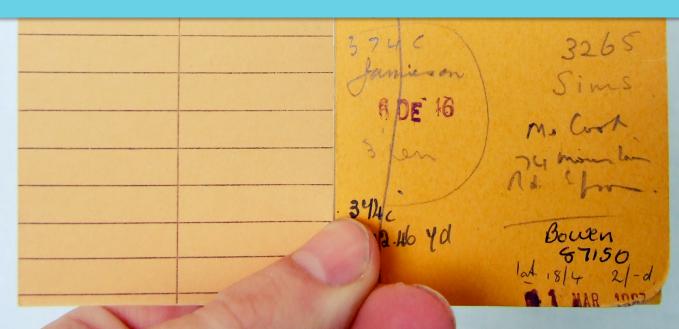
## Who is the learner and what do they need?

Design Develop

Implement Assess



# ID is more than just putting information in front of a learner.



# ID has clear goals and gets learners focused on the right things.







# ID compresses the learning process and saves time.



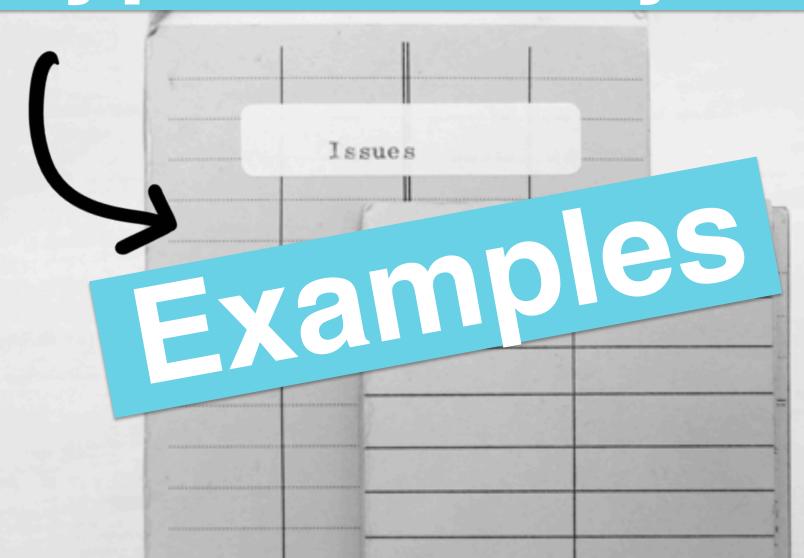




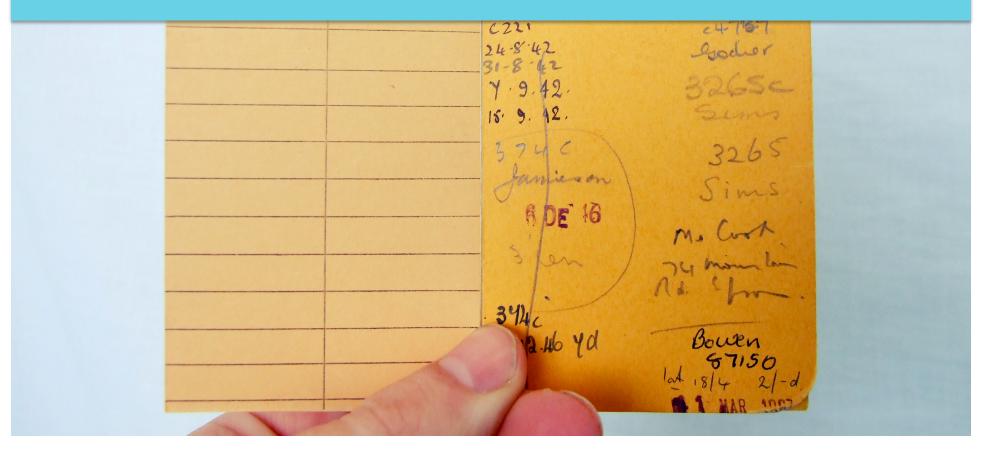




## Types of Projects



## 1. TEACHING HOW TO USE A TOOL



## 1. TEACHING HOW TO USE A TOOL



## 1. TEACHING HOW TO USE A TOOL



z smith reynolds library

### Wake Forest

Questions? Ask.

### THE LIBRARY

Study Rooms Library Toolkit Course Reserves Citation Guides The Bridge

### THE UNIVERSITY

WFU Home Google Mail Sakai WakeStudent WIN **Toolkit** 



Login | Toolbench | FAQ

### **BROWSE THE TOOLKIT**

addin advanced articles barnes basic beginner bibliography books boolean catalog circulation citation citations courses database databases dvds ebook education ereserves eric evaluation fulltext google intermediate introduction journals keyword kindle lcsh librarian limit microsoft noble nook offsite personalize plugin primarysources print proquest psychology psycinfo reader religion renew reserves search searching smartboard sociology sony technology thesaurus touch truncation webofscience websites word zotero

Browse all tools c

### WHAT'S NEW

### Overview of the Nook Ereader

This video gives a basic overview of the Barnes & Noble ebook reader. Time: 2:16.

### Overview of the Sony Touch Reader

This video gives a basic overview of the features on the Sony Touch Reader. Time: 2:37.

### Overview of the Kindle Reader

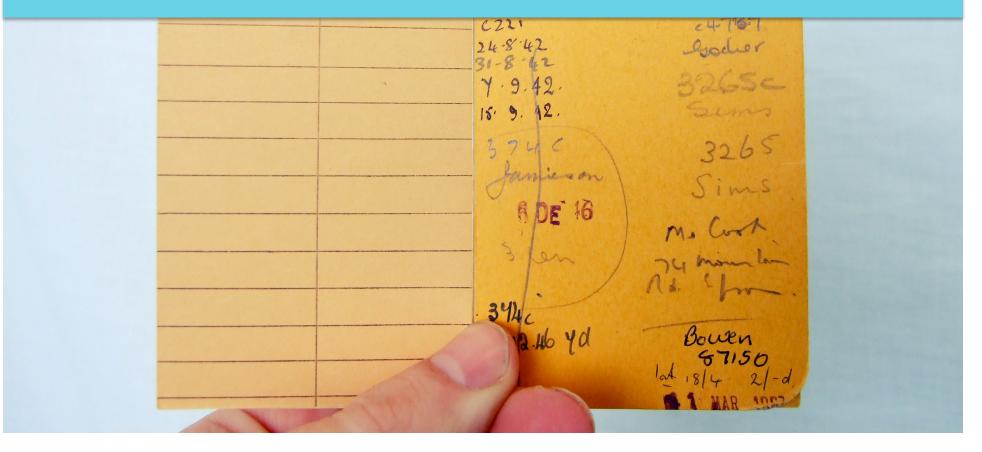
This video gives a basic overview of the Kindle Reader. Time: 2:20.

Ebooks Readers Available From the Bridge

### WHAT'S POPULAR

- 1. P What to Do When Full Text Doesn't Work
- 2. Find the newest DVDs
- 3. Petter Search Results with Boolean Searching
- 4. E Getting Started with Web Evaluation
- 5. Poeciding Which Full Text Options to Use
- 6. Puick Pick Databases
- 7. Renewing Books and DVDs Online

## 2. HELP WITH A PROCESS



## 2. HELP WITH A PROCESS

### Intro to Library Research 1: Evaluating Sources



### Exercise: Apply the Criteria to a Source

Your course:

Your paper topic:

Public Health 1002

Abuse of prescription drugs and ways to treat it

### Assignment.

Apply the criteria (timeliness, perspective / intent, and authority) to the sources. Your Source:

Question 1 of 6
Is timeliness important for this topic?

YES

NO

### Book

Title: Overcoming Prescription Drug Addiction: A Guide to Coping and Understanding, 3rd edition

Publication Date: 2008

Author: Rod Colvin

About the author: Rod Colvin holds a bachelor of arts degree from Washburn University, Topeka, Kansas, and a master of science degree in counseling psychology from Emporia State University, Emporia, Kansas. From 2003 to 2005, Colvin served on an advisory commission to the National Center for Addiction and Substance

Description: The author, whose brother died at age 35 from abusing painkillers and tranquilizers, relates

Abuse, Columbia University, New York.

SOURCE 1



## 2. HELP WITH A PROCESS

### Anatomy of a Scholarly Article NC STATE U

Presented by NCSU Libraries

consider how CSI uses the conventions

Click here to re-display the directions.

### A Cognitive Model for the Representation and Acquisition of Verb Selectional Preferences

### Afra Alishahi

Department of Computer Science University of Toronto afra@cs.toronto.edu

### Suzanne Stevenson

Department of Computer Science University of Toronto suzanne@cs.toronto.edu

### Abstract

We present a cognitive model of inducing verb selectional preferences from individual verb usages. The selectional preferences for each verb argument are represented as a probability distribution over the set of semantic properties that the argument can possess-a semantic profile. The semantic profiles yield verb-specific conceptualizations of the arguments associated with a syntactic position. The proposed model can learn appropriate verb profiles from a small set of noisy training data, and can use them in simulating human plausibility judgments and analyzing implicit object alternation.

1 Introduction

over all the classes that can occur in that position. Resnik's model was proposed as a model of human learning of selectional preferences that made minimal representational assumptions; it showed how such preferences could be acquired from usage data and an existing conceptual hierarchy. However, his and later computational models (see Section 2) have properties that do not match with certain cognitive plausibility criteria for a child language acquisition model. All these models use the training data in "batch mode", and most of them use information theoretic measures that rely on total counts from a corpus. Therefore, it is not clear how the representation of selectional preferences could be updated incrementally in these models as the person receives more data. Moreover, the assumption that children have access to a full hierarchical representation of semantic classes may be too strict. We propose an alternative view in this paper which is more plausi-

Alternating verbs		Non-alternating verbs	
write	0.61	Jong	0.56
.ning	0.67	wear	0.71
drink	0.67	AW	0.75
eat	0.74	eatok	0.76
play	0.74	show	0.77
POW	0.76	mole	0.78
watch	0.77	Air	0.78
pack	0.78	open	0.81
steal	0.80	take	0.83
push	0.80	.00E	0.87
call	0.80	Alder	0.87
pull	0.80	get	0.87
explain	0.81	find	0.87
read	0.82	give	0.88
hear	0.87	Sering	0.89
		Water	0.89
		put	0.90
Mean:	0.76	Mean:	0.81

Figure 6: Similarity with the base profile for Alternating and Non-alternating verbs.

than verbs with stronger preferences. We use the cosino measure to estimate the similarity between two profiles p and q:

$$cosine(p, q) = \frac{p \times q}{||p|| \times ||q||}$$
(9)

The similarity values for the Alternating and Nonalternating verbs are shown in Figure 6. The larger values represent more similarity with the base profile, which means a weaker selectional preference. The means for the Alternating and Non-alternating verbs were respectively 0.76 and 0.81, which confirm the hypothesis that verbs participating in implicit object alternations select more strongly for the

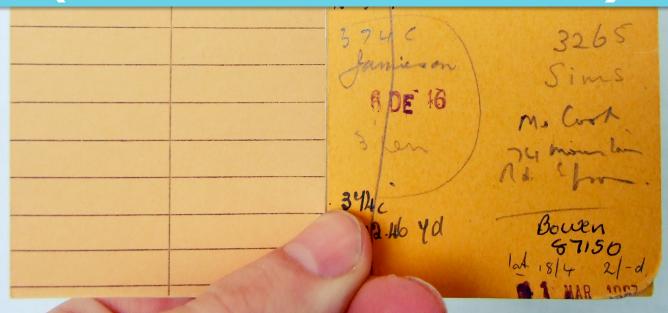
profiles during the course of learning, and compare it with child data for different age groups, as we do with semantic roles (Alishahi and Stevenson, 2007). We have shown that the model can predict appropriate semantic profiles for a variety of verbs, and use these profiles to simulate human judgments of verbargument plausibility, using a small and highly noisy set of training data. The model can also use the profiles to measure verb-argument compatibility, which was used in analyzing the implicit object alternation.

### References

- Abney, S. and Light, M. (1999). Hiding a semantic hierarchy in a Markov model. In Proc. of the ACL Workshop on Unsupervised Learning in Natural Language Processing.
- Alishahi, A. and Stevenson, S. (2005). A probabilistic model of early argument structure acquisition. In Proc. of the CogSci
- Alishshi, A. and Stevenson, S. (2007). A computational usagebased model for learning general properties of semantic roles. In Proc. of the EuroCogSci 2003
- Anderson, J. R. (1991). The adaptive nature of human categorization. Psychological Review, 98(3):409-429.
- Brockmann, C. and Lapata, M. (2003). Evaluating and combining approaches to selectional preference acquisition. In Proc. of the E4CL 2003.
- Ciaramita, M. and Johnson, M. (2000). Explaining away am-biguity: Learning verb selectional preference with Bayesian. networks. In Proc. of the COLING 2000.
- Clark, S. and Weir, D. (2002). Class-based probability estimation using a semantic hierarchy. Computational Linguistics, 28(2):187-206
- ollins, M. (1999). Head-Driven Statistical Models for Natural Longuage Parsing: PhD thesis, University of Pennsylvania.
- Holmes, V. M., Stowe, L., and Cupples, L. (1989). Lexical expectations in pursing complement-verb sentences. Journal 50-000-000

Verbe have professioners for the comm-





## 3. PROVIDE MORE CONTEXT



# 3. PROVIDE MORE CONTEXT

#### Which is more expensive?

You might be surprised at how the prices of journal subscriptions compare to the costs of other items. Roll your mouse over the picture of the item you think is more expensive in each pair.

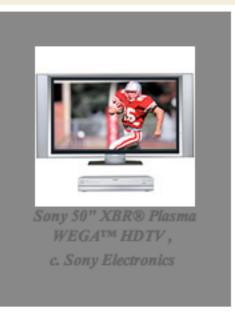
#### **VANDERBILT**

#### A New Beetle or Brain Research?

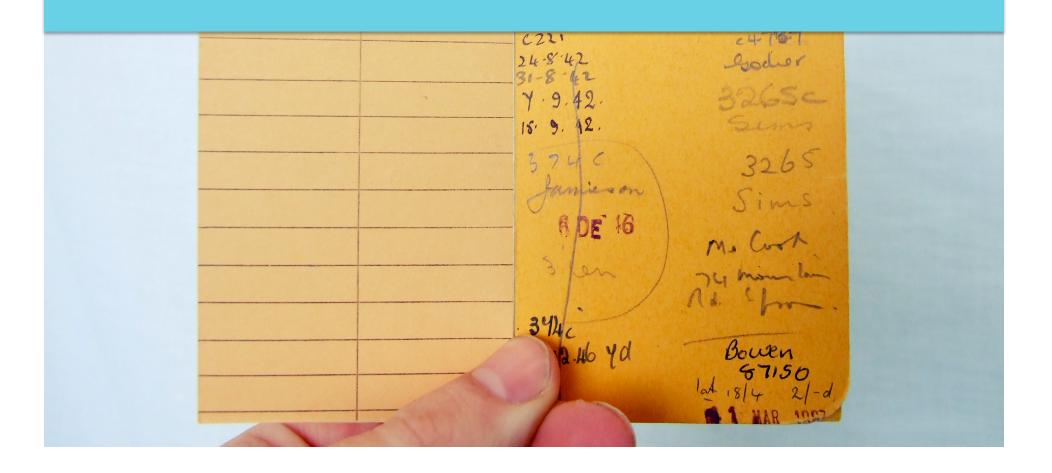
# 2004 Volkswagen GLS,

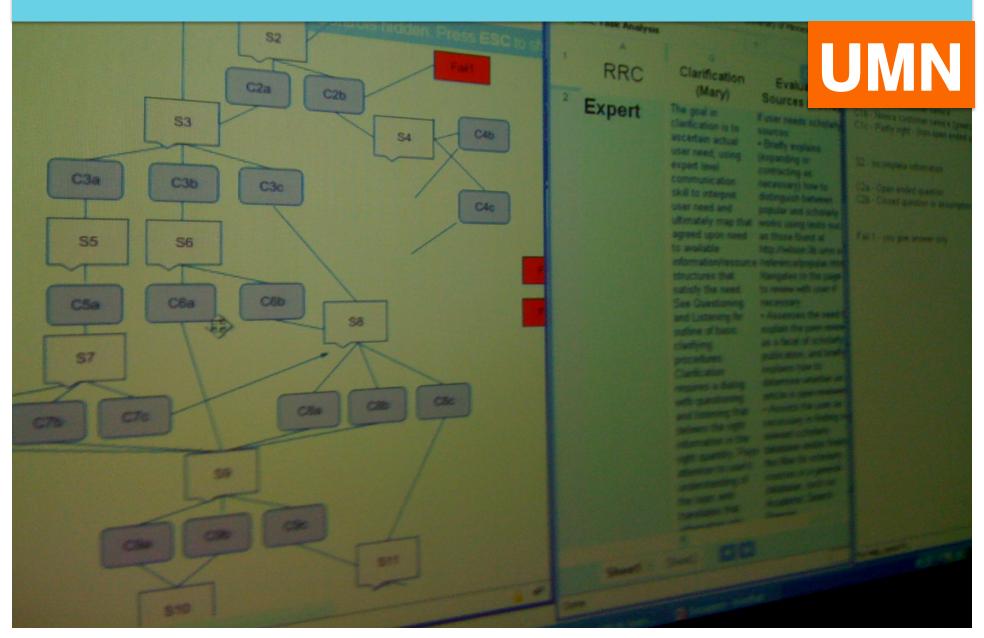


#### A plasma TV or Surface Science?











#### CARNEGIE MELLON

#### I'll Get It!

GV 1469.15 CMLA 2007 You are a student who must help his peers to identify a variety of research materials. Use your mouse to pick up their requests. Then use the catalog to look for helpful resources.

Do your best to help them quickly finish their research with the best tools for the job.



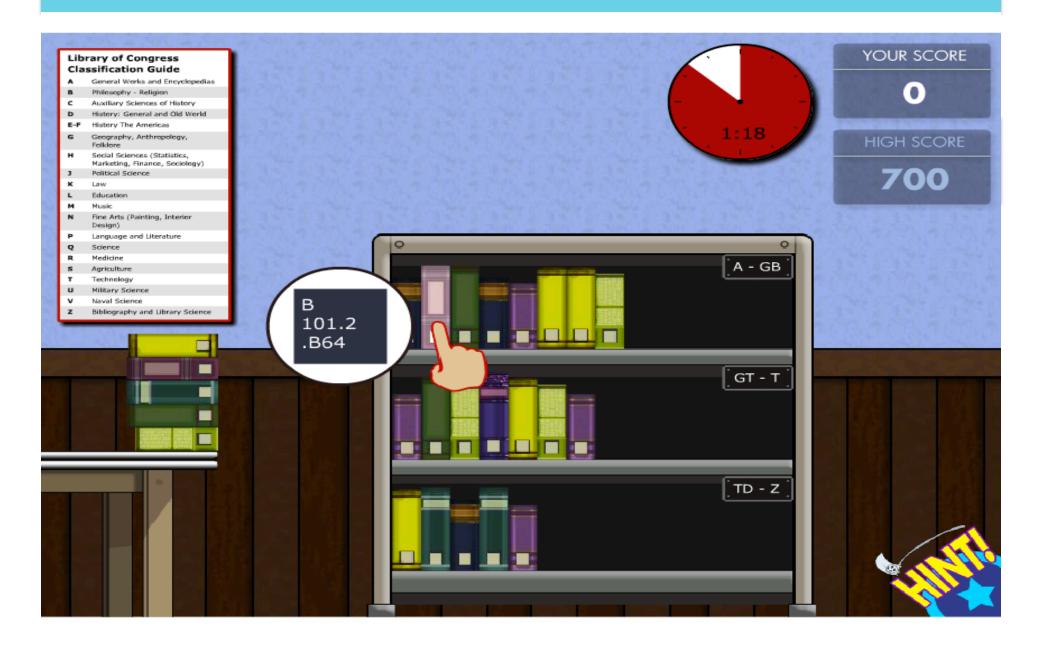


#### CARNEGIE MELLON

#### Within Range

GV 1469.15 CMLA.2 2007 Shelve books in correct order to learn how information is organized and categorized using the Library of Congress Classification System.

Use the mouse cursor to pick up titles and place them in their correct location by hovering over the other books on the shelf.





290 781.7 HAN

HANDEL, G.F.

Prelude and fugue from the eighth harpsichord suite

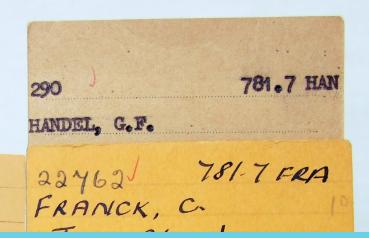
6261 UVW 17

Voughan

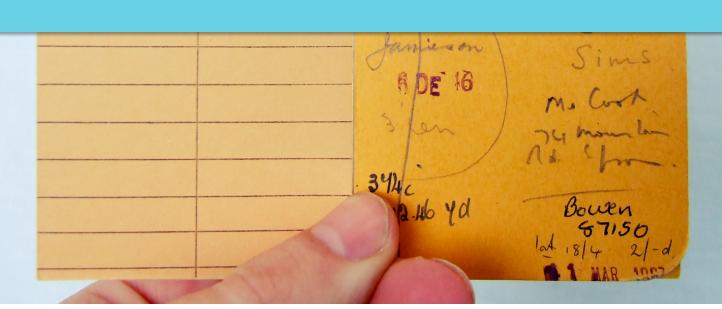
## Challenges

018/9 -6 JUL 1981 MANIQUANT 228670 -6 DEC 1982 +35.52.82





## THANK YOU





#### University of Minnesota

#### LIBRARIES



katep@ umn.edu

KATE Peterson



pfzenke@ umn.edu

> PAUL Zenke

## References

FRANCK, C.

- 1. Theme inspired by @jessedee "You Suck at PowerPoint" http://www.slideshare.net/jessedee/you-suck-at-powerpoint
- 2. Library cards, CC AT NC ND "Zine Issue Jr." by Whitluxus
- 3. "Library Staff", UMedia Archive, http://umedia.lib.umn.edu/node/65728/106514
- 4. "Libraries Serials Division", UMedia Archive, http://umedia.lib.umn.edu/node/65729/106516
- 5. "Library (new) Minneapolis Campus. Walker Library", UMedia Archives, http://umedia.lib.umn.edu/node/65429/105916
- 6. "Gowan Minnesota One Room Schoolhouse 1923-1924", http://www.panoramio.com/photo/23368071
- 7. "Computer" CC AT The Noun Project
- 8. "Laptop" CC AT The Noun Project
- 9. "ADDIE Model" CC AT Wikipedia
- 10. "Dick and Carey Model" CC AT Wikipedia
- 11. "Rapid Prototyping", Tripp, S., & Bichelmeyer, B. (1990). Rapid prototyping: An alternative instructional design strategy.

Educational Technology Research & Development, 38(1), 31-44. Accessed at http://it.coe.uga.edu/studio/seminars/rpmodel.html

- 12. Kuhlmann, T. (2010). "What Everyboday Ought to Know About Instructional Design". http://www.articulate.com/rapid-elearning/what-everybody-ought-to-know-about-instructional-design/
- 13. Wake Forrest "Toolkit", http://zsr.wfu.edu/toolkit/
- 14. University of Minnesota Libries, "Intro to Library Research", http://www.lib.umn.edu/introtolibraryresearch
- 15. North Carolina State University, "Anatomy of a Scholarly Number", http://www.lib.ncsu.edu/tutorials/scholarly-articles/
- 16. Vanderbilt Library, "Which is More Exspendsive?", http://www.library.vanderbilt.edu/jcosts/
- 17. Carnegie Mellon Library Research Quest, http://search.library.cmu.edu/client/default

