

Constraints, Discoverability & Feedback

MIS3506*Fall 2020*Lavin

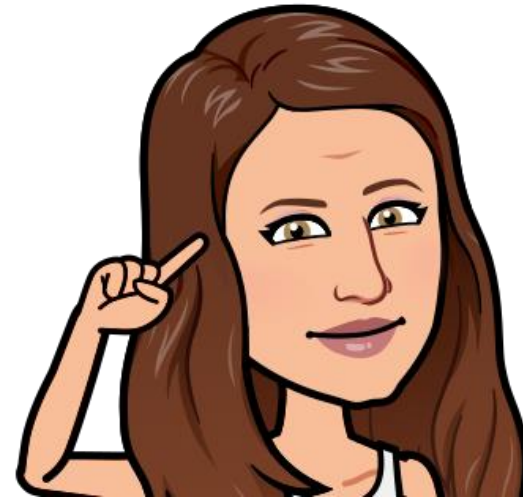
Featuring Krzywicki 😊

What do you do when you have to operate something you've never used before?



Knowledge

- In the Head



- In the World



Constraints



Constraints let people readily determine proper course of action, even in a novel situation (Norman, p. 125)

Constraints – some thoughts to consider



Logical – Tell a user to select 5 things & only 4 are readily visible – what does that tell the user?



Logical constraints = good conceptual model



Cultural – scroll bar on the right – what does that tell the user?



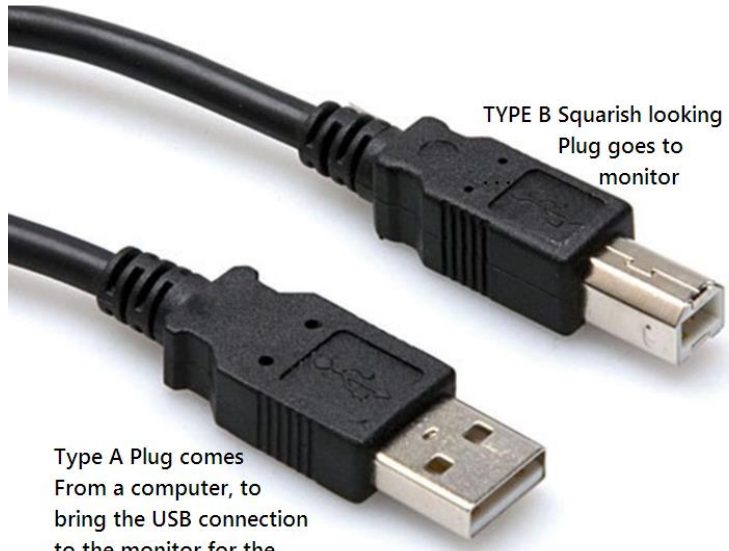
Physical constraints make some actions impossible: there is no way to ignore them.



Logical and cultural constraints are weaker in the sense that they can be violated or ignored, but they act as valuable aids to navigating the unknowns and complexities of everyday life.



Cultural constraints evolve over time



TYPE B Squarish looking Plug goes to monitor

Type A Plug comes From a computer, to bring the USB connection to the monitor for the HUB in it

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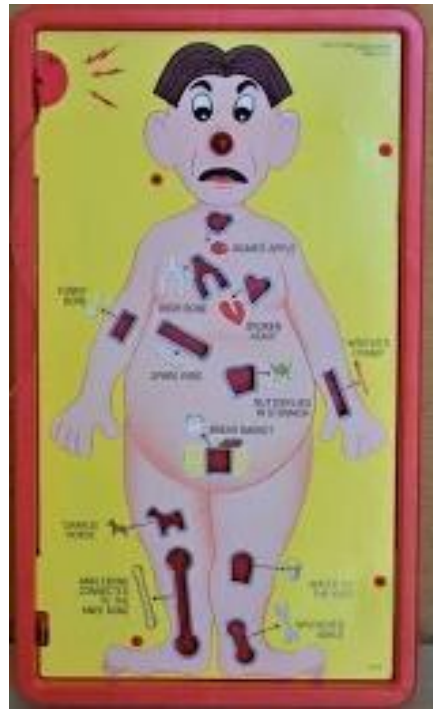
Physical Constraints



Cultural Constraints



Semantic Constraints



Style 1

DOB
Enter the date of birth

DD / MM / YYYY

Style 2

Date of Birth
Date format DD/MM/YYYY

_ / _ / _

Logical Constraints

Handling Constraints in a Design Project

- Recent IBIT project: designing a website for a local bakery
- Needed to make sure the platform could be integrated with Clover (the client's current POS system) and Hazlnut (the ordering system associated with Clover)
- **Google is your friend—do your RESEARCH!**



Order Summary



Sweet Potato Bun (dozen)

Kind: Bun

\$6.60

Qty 1

Remove

To check out, your order subtotal must be \$10.00 or more.

Subtotal	\$6.60
Tax	-
Shipping	-
Total	\$6.60

Schedule a Lesson - Gibson School of Music and Arts

Please fill out this form to request a virtual lesson. We will call you back within one business day to schedule your lessons.

NOTE: In response to COVID-19, we are hosting sessions virtually for the health and safety of our students. Also, we continue to offer private music lessons and classes at GMA School following the CDC guidelines.

* Required

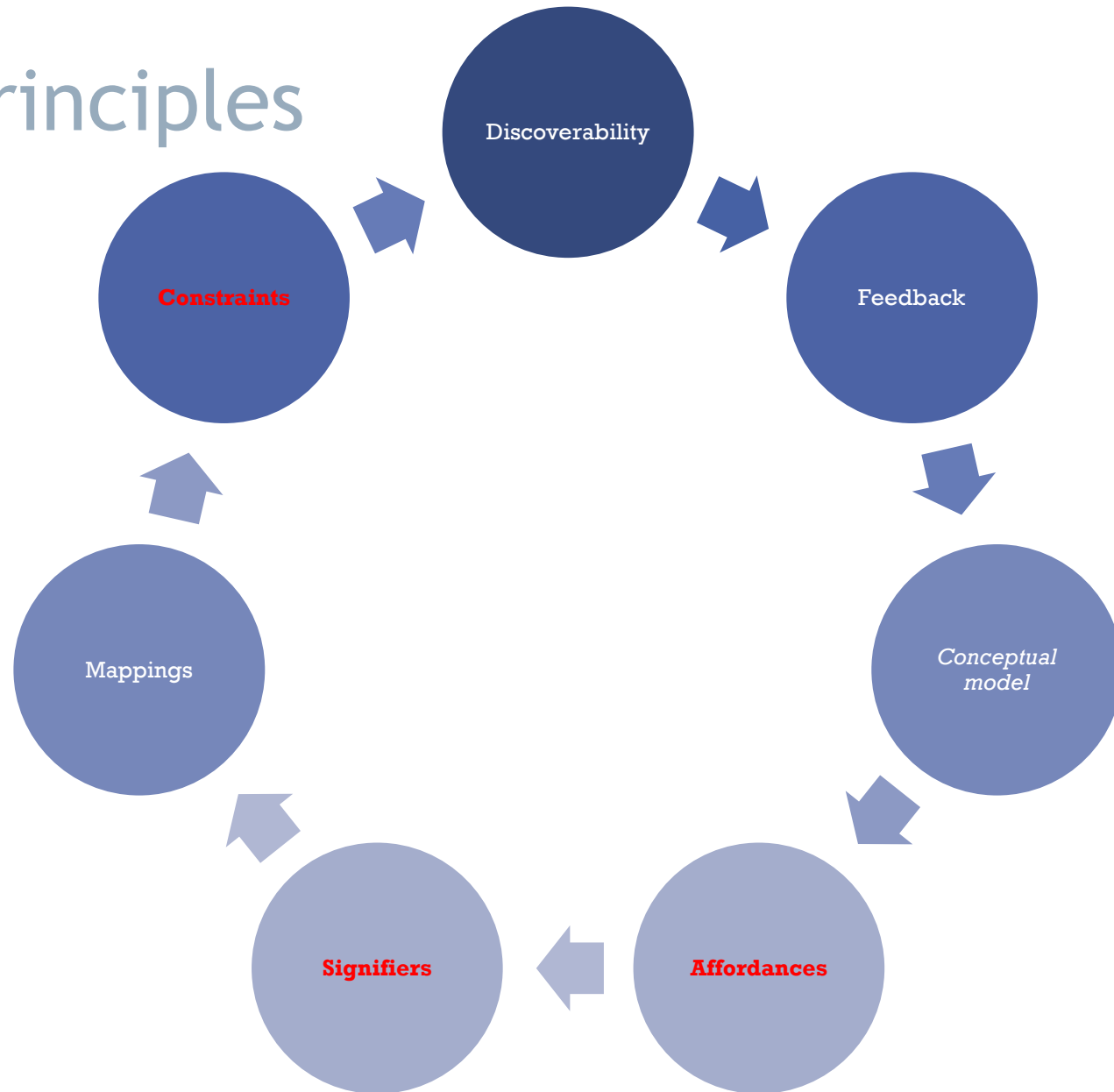
Email address *

Your email

! This is a required question



Design Principles



The ICA for today is...

Kahoot!

When the class plays kahoot

the person who
won kahoot



the person who lost
by one point



the rest of the
class



Me: Clicks an Answer
Kahoot:
WeRE You T0o FaSt
Me:



Thank you 😊