

Inclusive Classrooms: ICT Integration in Postsecondary Education

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Today

- Disability, accessibility
- Inclusion, personalization
- Participatory design
- Inclusive design
- Floe's ecosystem of personalization

How would you define
disability?

Rethinking Disability



Rethinking Disability



Rethinking Disability

A mismatch between
the

user

and the

user interface

or environment





Disability is contextual

Disability is environmental



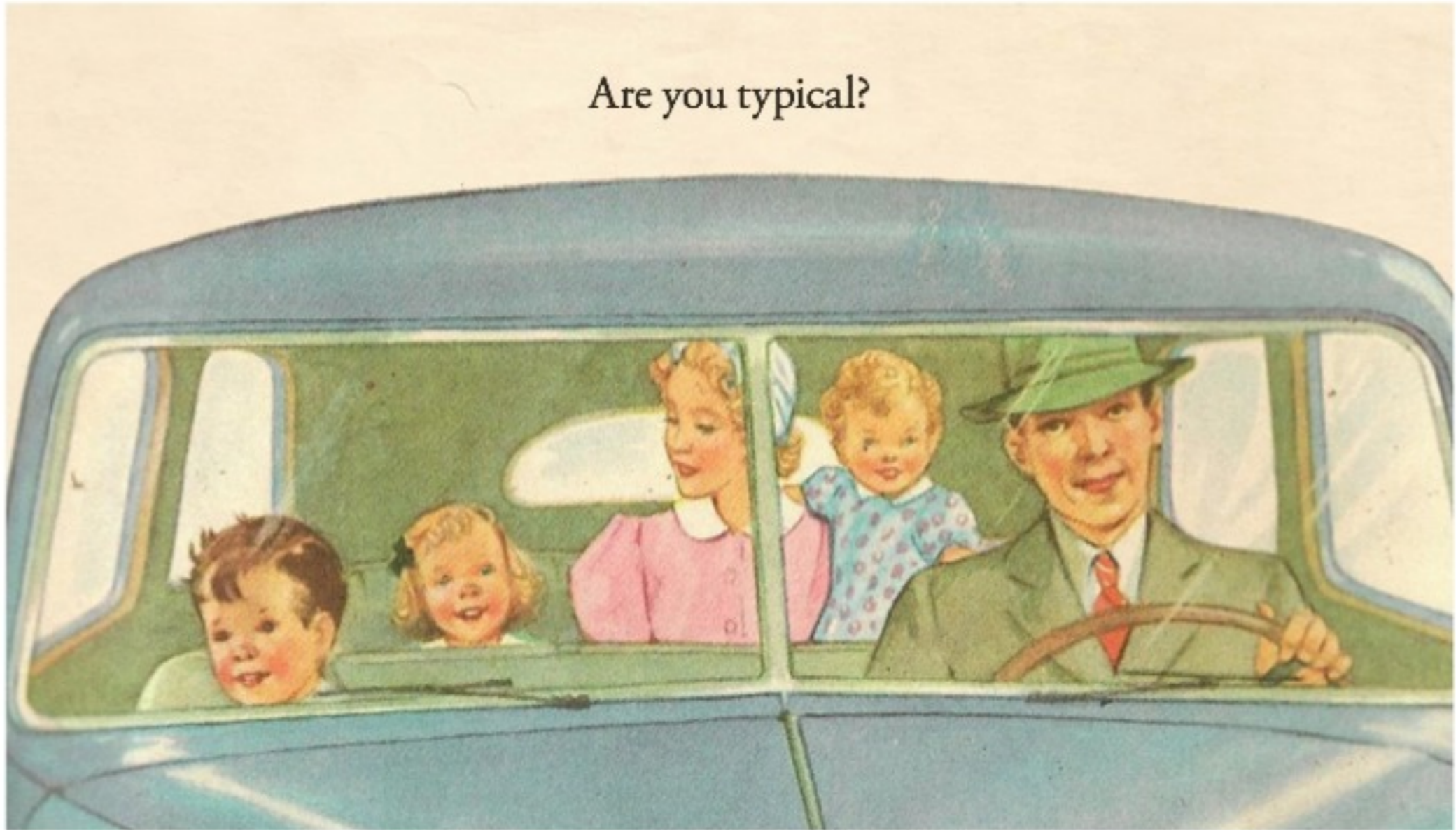
What kind of mismatches
do you encounter
in the classroom?

Accessibility is...

the ability of the system
to accommodate the needs of the user

does one size ever fit all?

Are you typical?

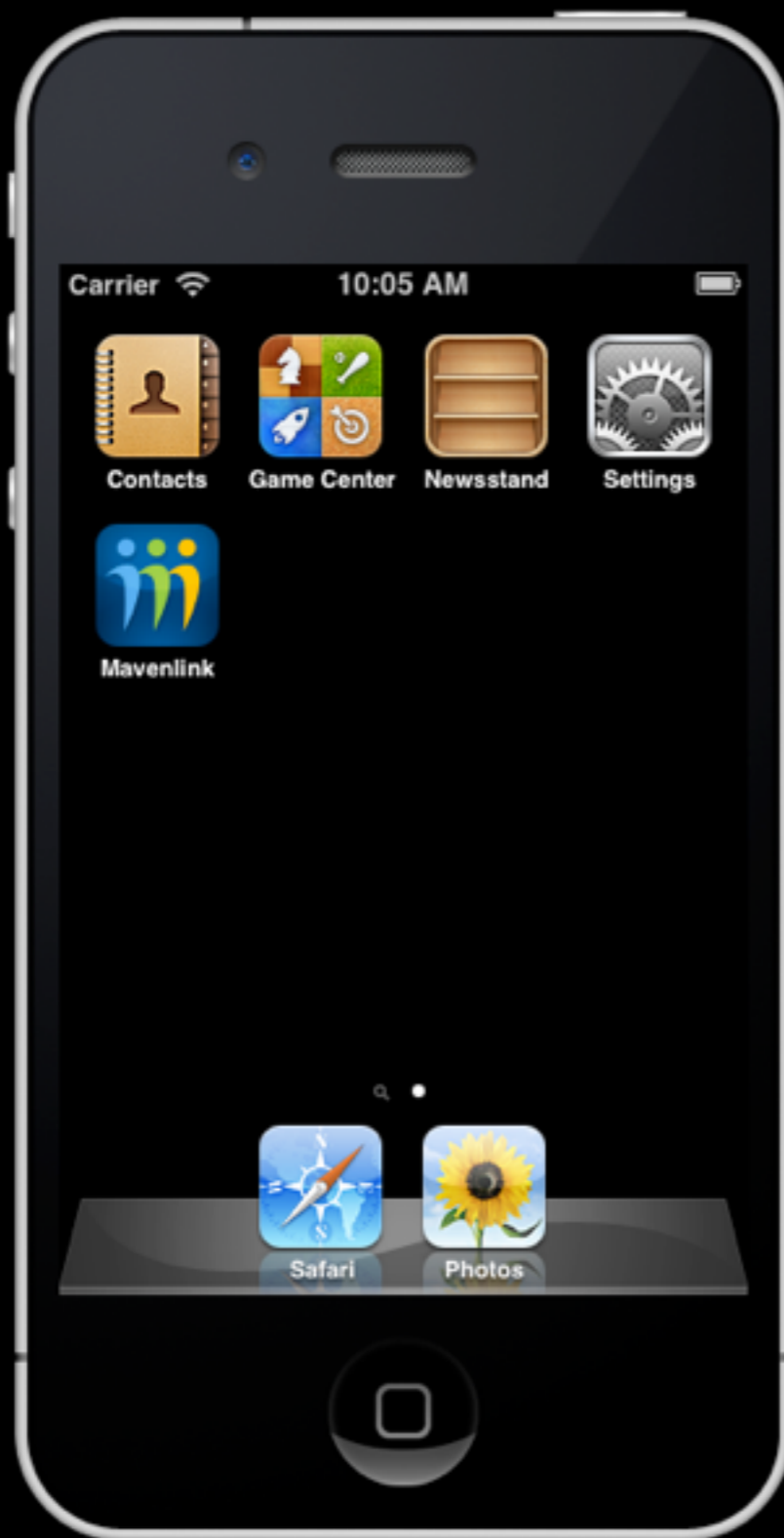


One Size Fits One

Personalization

- **Content** that can be delivered in a form that people can understand and use
- **User interfaces** that can adapt to the needs, preferences, tastes of users—feel at home

Personalization is...



https://www.mavenlink.com/images/blog/mobile_home_screen/04-iphone.png

| <http://www.flickr.com/photos/scobleizer/4779911251/>

Personalization is...

The desktop screenshot shows a personalized Amazon.com page. At the top, it greets the user as "Hello, Colin Clark" and offers recommendations. The navigation bar includes "Shop All Departments" with a list of categories like "Unlimited Instant Videos", "Books", "Movies, Music & Games", etc. The main content area features a large advertisement for the Kindle, highlighting it as the "#1 Bestseller on Amazon" and listing prices for Wi-Fi and 3G+Wi-Fi models. Other promotional banners include "New Cameras from Canon" and "endless style for miles" featuring a woman in a red dress. A "Shop Fossil Gifts for Men" section displays watches, sunglasses, and wallets. At the bottom, there are ads for Brother printers and TurboTax software.

The mobile app screenshot shows a streamlined interface. The top status bar displays "Carrier", signal strength, Wi-Fi, and the time "9:41 PM". The Amazon.com logo is prominent. Below it, there are quick links for "Deals", "Cart", and "Wish List". A search bar is centered, with a "GO" button. A banner promotes the "Amazon App for iPhone". A featured product section highlights the Kindle as the "#1 Bestselling Product on Amazon". At the bottom, there is a "Shop All Departments" menu with expandable categories like "Books" and "Movies, Music & Games". The bottom navigation bar includes back, forward, home, and search icons.

How could
personalization help
in your classroom?

“Nothing about us without us”



Participatory Design

How might participatory
design work in your
classroom?


Accessibility is...



Accessibility is...



Something we all benefit from.



Accessibility is
sometimes universal

How could the
personalization ideas
we have benefit others?

What is Inclusive Design?

Design that considers the full range of human diversity with respect to ability, language, culture, gender, age and other forms of human difference.

Three Dimensions of Inclusive Design

- Recognition of diversity and uniqueness
- Inclusive process and tools
- Broader beneficial impact

Floe's Ecosystem of Personalization

Declaring Needs

[http://demo.floeproject.org/demos/
prefsFramework/ClimateChange.html](http://demo.floeproject.org/demos/prefsFramework/ClimateChange.html)

Metacognition and Learning Approach

[http://build.fluidproject.org/
prefsEditors/demos/explorationTool/](http://build.fluidproject.org/prefsEditors/demos/explorationTool/)

OER Producers

Create and Label Content

[http://metadata.floeproject.org/demos/
html/metadata.html](http://metadata.floeproject.org/demos/html/metadata.html)

OER Delivery Systems Match Needs with Content

<http://schema.org/>

Feedback Loop

<coming soon>

Feedback Loop

Transcript ▾

T ON

Captions ▾



Transcript

Animals are a major group of multicellular, eukaryotic organisms of the kingdom Animalia or Metazoa. Their body plan eventually becomes fixed as they develop, although

CAPTIONS i

None

T **English captions** by Harris W. ✓

T **French captions** by Anastasia C.

T **Request a caption** ◀

Submit a caption request

Email address *(optional)*

Request details *(optional)*

Request

This form puts in a request for a additional captions on the video on *Diversity in Kingdom Animalia*.

Enter your email address if you would like to be notified of when the request has been filled.

organisms. Most reproduce sexually, by means of differentiated eggs and sperm. Most animals are diploid, meaning that the cells of adults contain two copies of the genetic material. The development of most animals is characterized by distinctive stages, including a zygote, formed by the product of the first few division of cells following fertilization; a blastula, which is a hollow ball of cells

Strategies for Making Content Personalizable

Inclusive Learning Design Handbook

<http://handbook.floeproject.org/>

Alternative Content: Captions

<http://amara.org/>

Accessibility Checkers

<http://achecker.ca>

<http://webaim.org/resources/contrastchecker/>

Guidelines

<http://wiki.fluidproject.org/display/docs/Quick-and-Dirty+Website+Accessibility+Tests+-+and+Fixes>

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