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

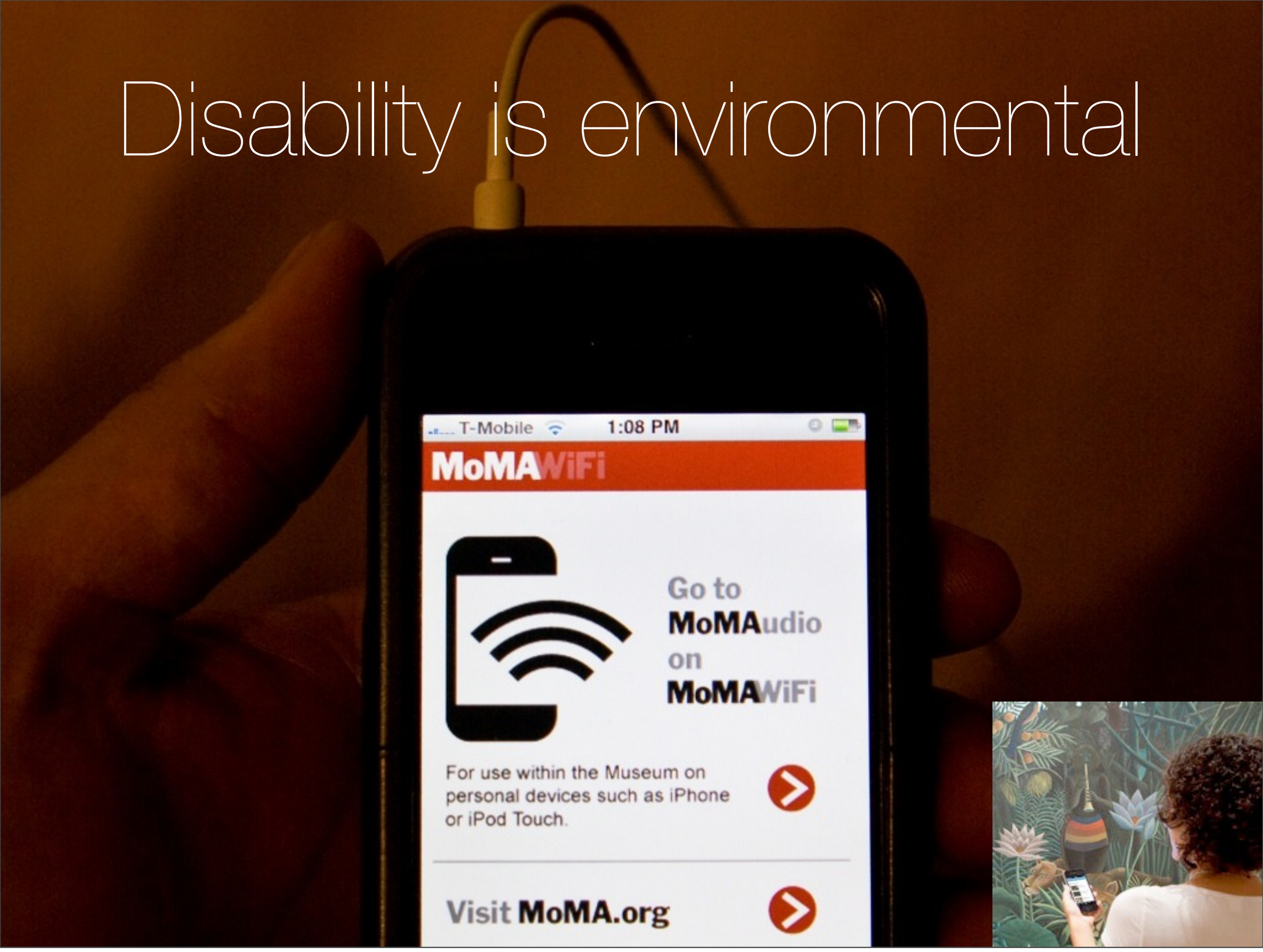
and the

user interface

or environment

Disability is contextual

Disability is environmental



What kind of mismatches do you encounter in the classroom?

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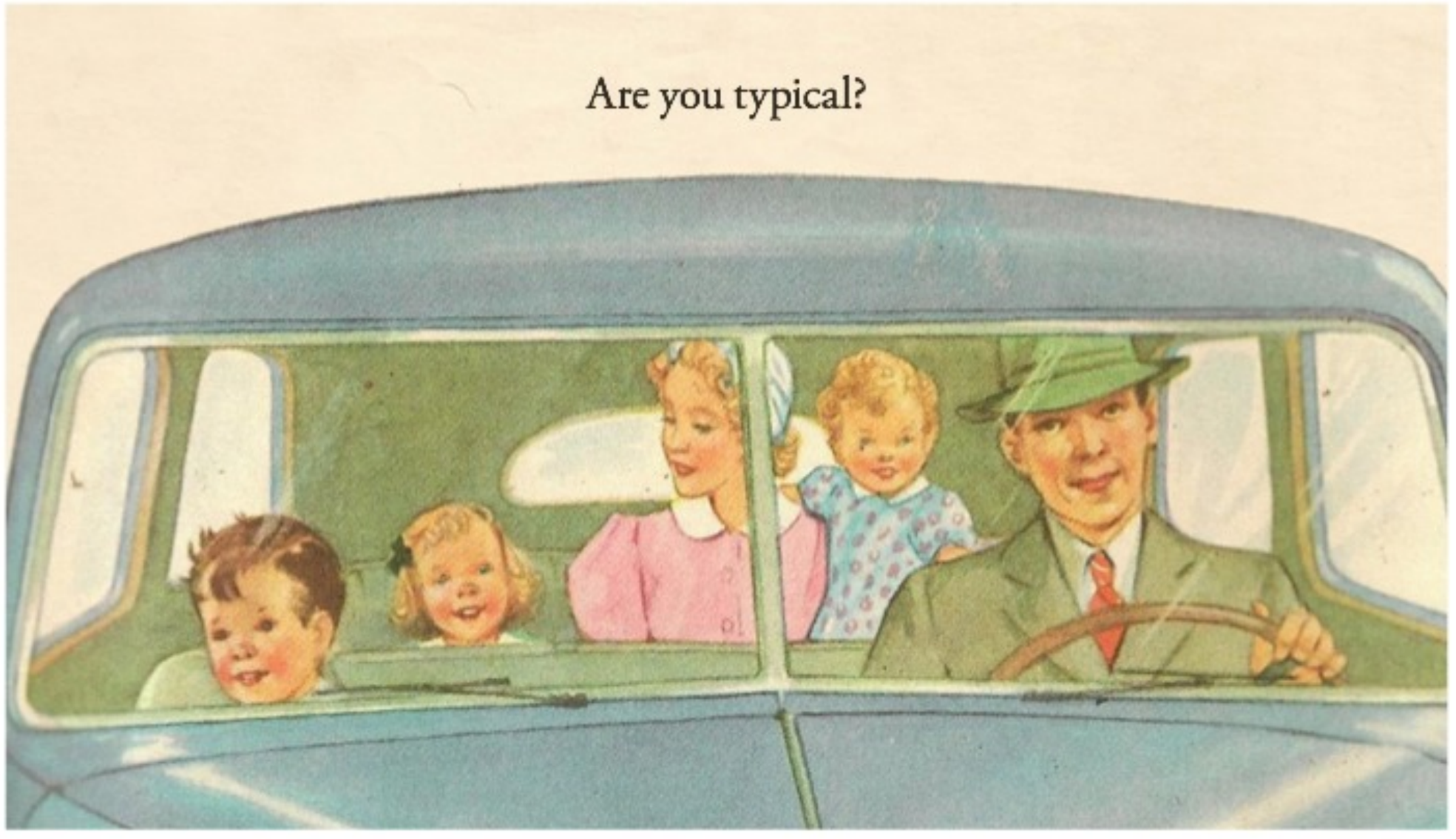
Accessibility is…

the ability of the system

to accommodate the needs of the user

does one size ever fit all?



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

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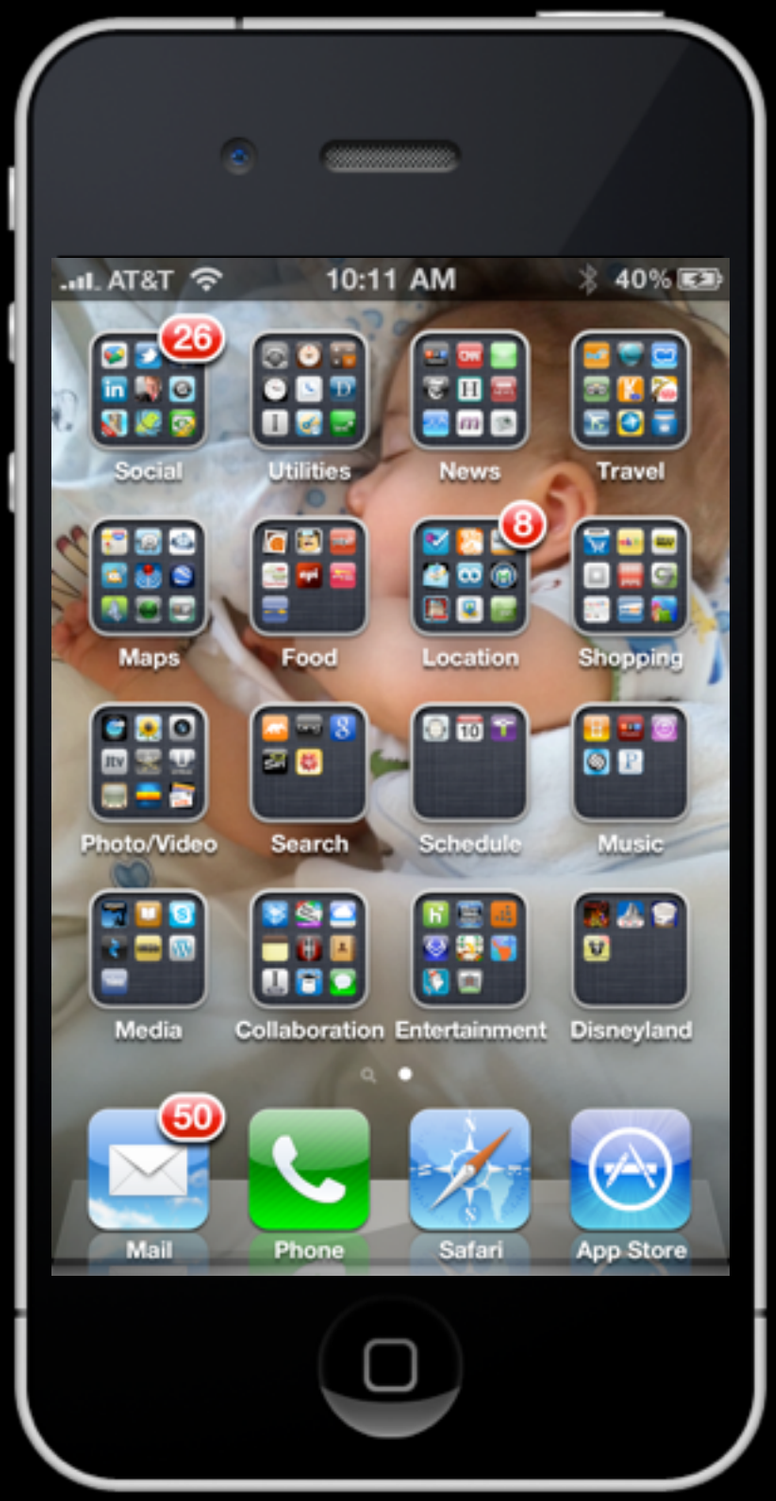
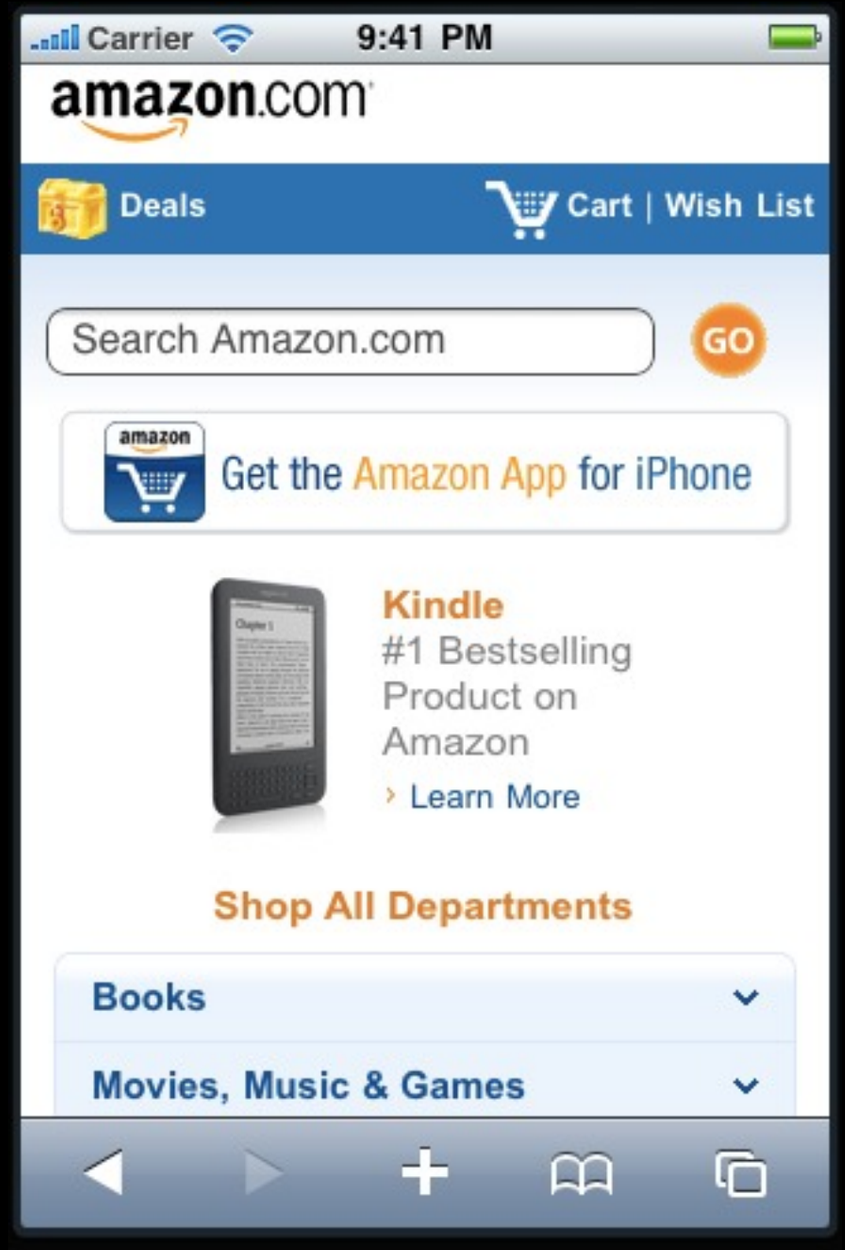
Personalization is...



https://www.mavenlink.com/images/blog/mobile_home_screen/04-iphone.png | http://www.flickr.com/photos/scobleizer/4779911251/

Personalization is...



How could personalization help in your classroom?

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“Nothing about us without us”

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Participatory Design

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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?

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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.

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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

Metacognition and Learning Approach

http://build.fluidproject.org/prefsEditors/demos/explorationTool/

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OER Producers
Create and Label Content

http://metadata.floeproject.org/demos/html/metadata.html

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OER Delivery Systems Match Needs with Content

http://schema.org/

Feedback Loop

<coming soon>

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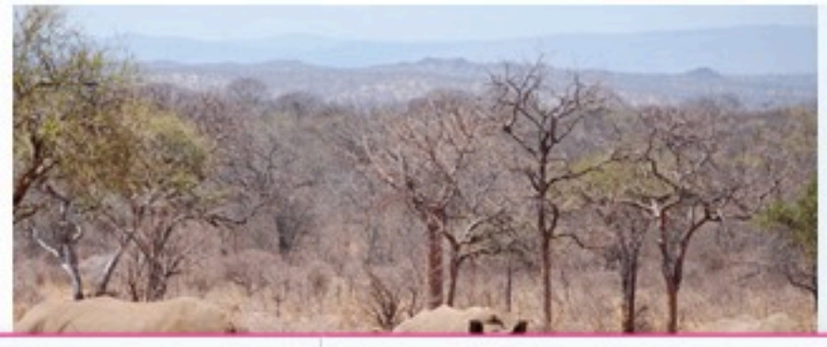
Feedback Loop

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 ⓘ

None

English captions
by Harris W. ✓

French captions
by Anastasia C.

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

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Inclusive Learning Design Handbook

http://handbook.floeproject.org/

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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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