

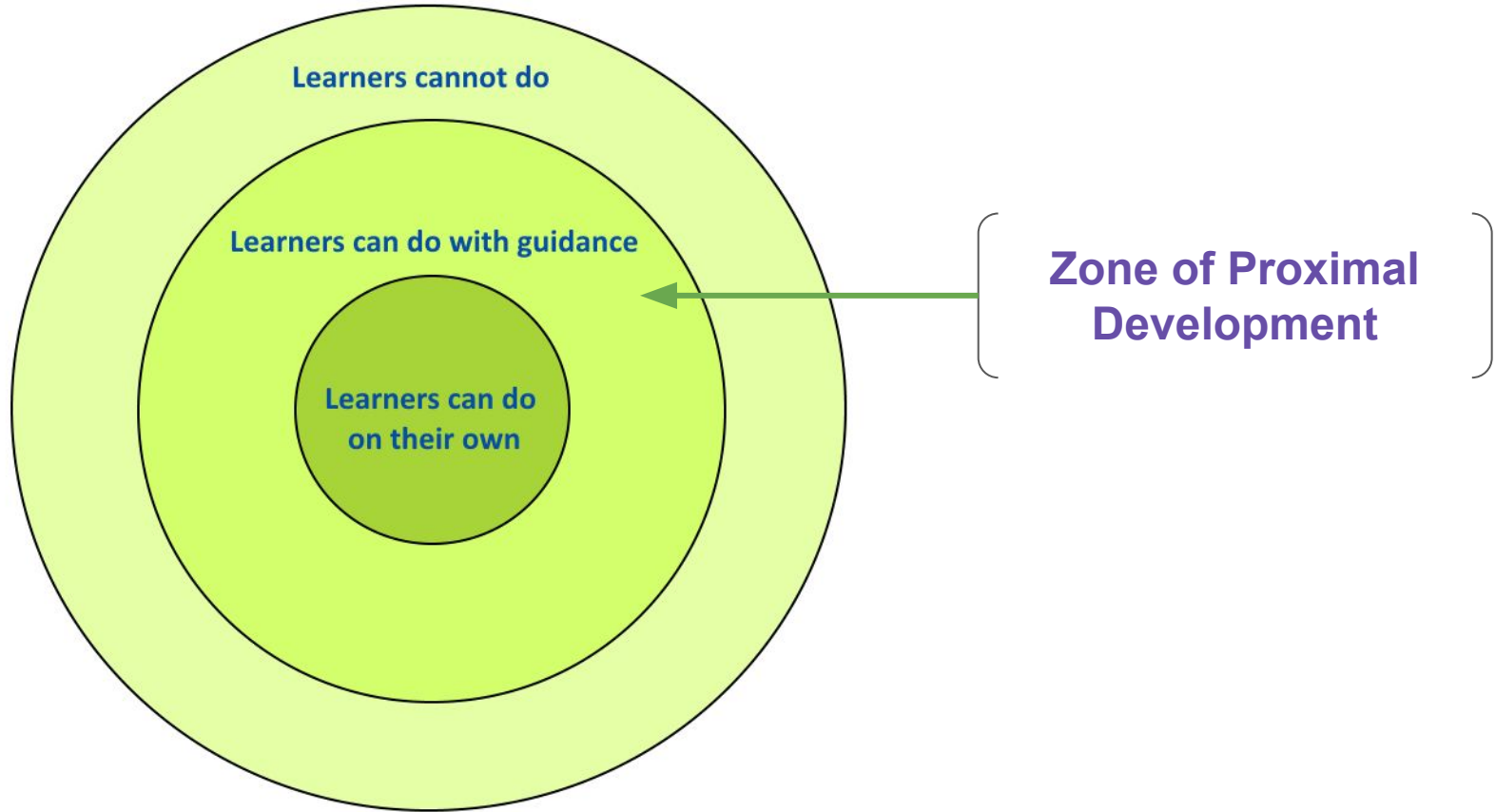
CS449/649: Human-Computer Interaction

Spring 2017

Please sit with your team

Lecture IX

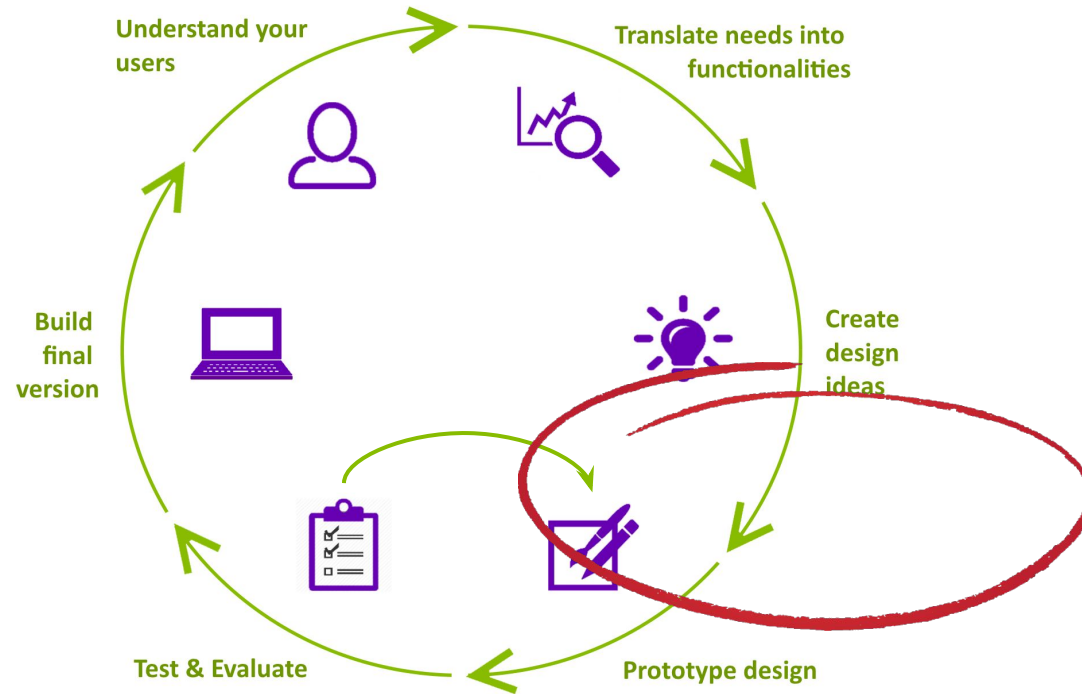
Anastasia Kuzminykh





Create Design Ideas

Exercise: time management application





Create Design Ideas



Prototype Design

Information Architecture - structural design
of shared information environments

Richard Saul Wurman

Users flow through
your product

Catalog user's
information

Presentation of the
information

Decision driving
function



Create Design Ideas



Prototype Design

Knowledge Organisation

Taxonomy

Folksonomy

**Domain Analytics
Approach**



Create Design Ideas



Prototype Design

Knowledge Organisation

Taxonomy

Practice of
classification based
on hierarchical
relationship.

Parent-child
hierarchies

Folksonomy

Domain Analytics
Approach



Create Design Ideas

Prototype Design

Knowledge Organisation

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Practice of
classification based
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Parent-child
hierarchies

Folksonomy

Practice of
classification based
on non-hierarchical
relationship.

Public tags and their
frequencies

Domain Analytics
Approach



Create Design Ideas

Prototype Design

Knowledge Organisation

Taxonomy

Practice of classification based on hierarchical relationship.

Parent-child hierarchies

Folksonomy

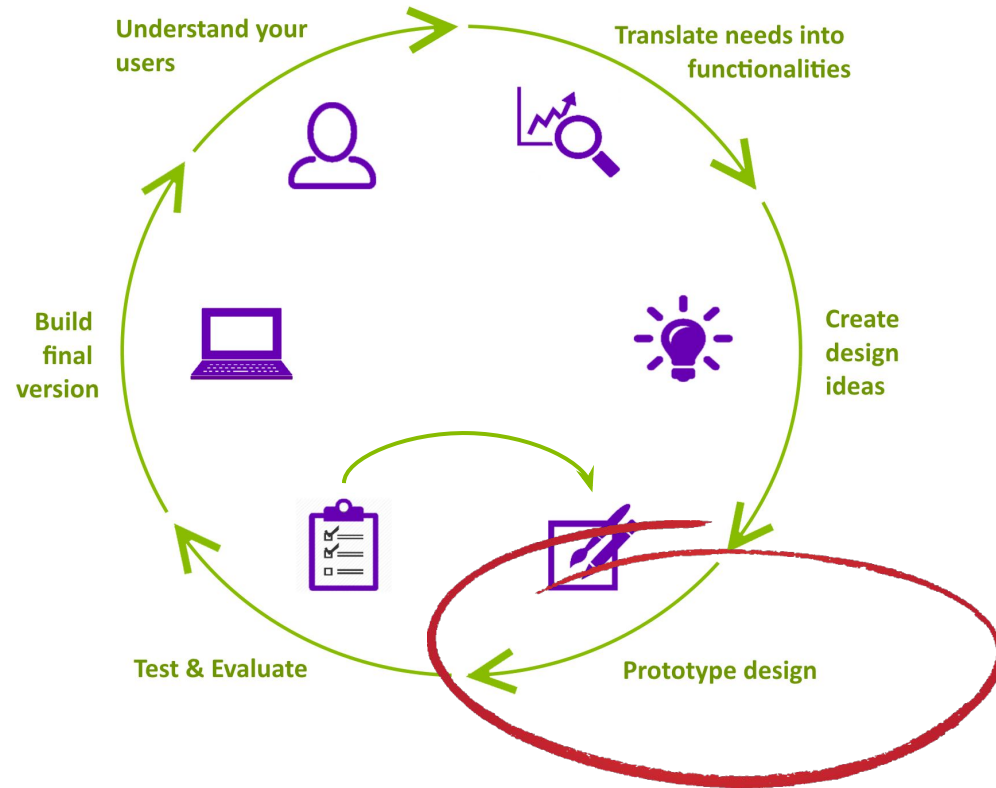
Practice of classification based on non-hierarchical relationship.

Public tags and their frequencies

Domain Analytics Approach

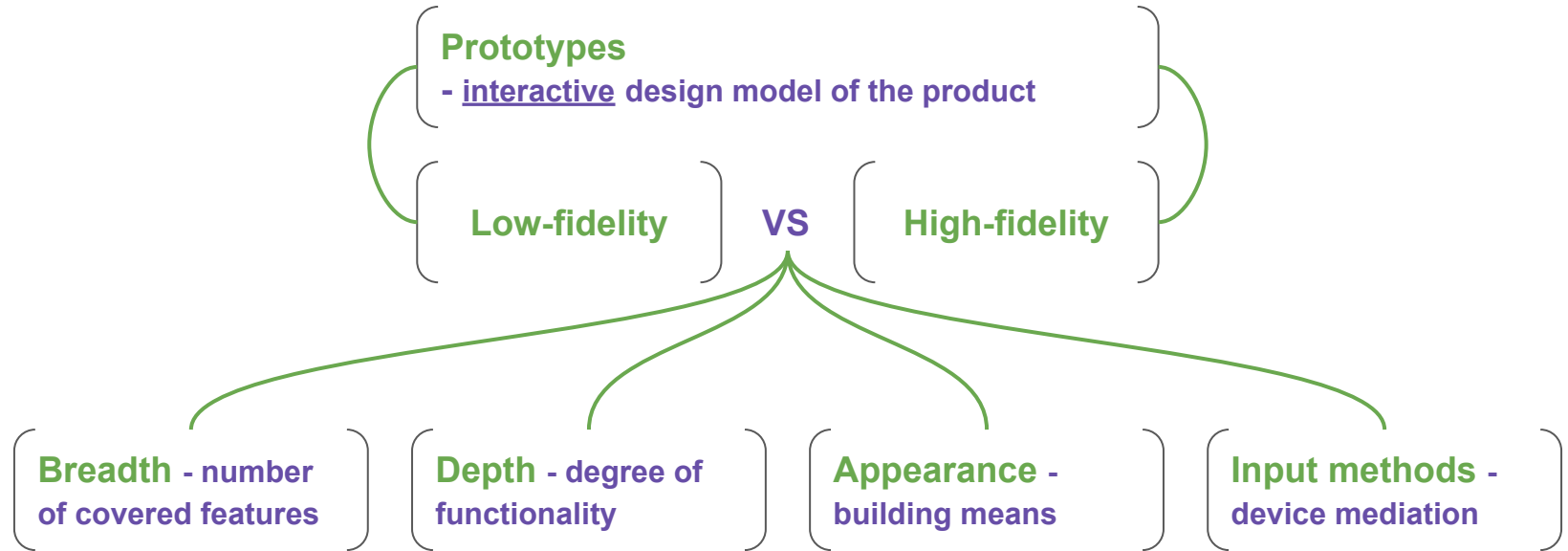
Practice of classification based on sociological - epistemological view.

Indexing is suited to fulfill a task by specific group



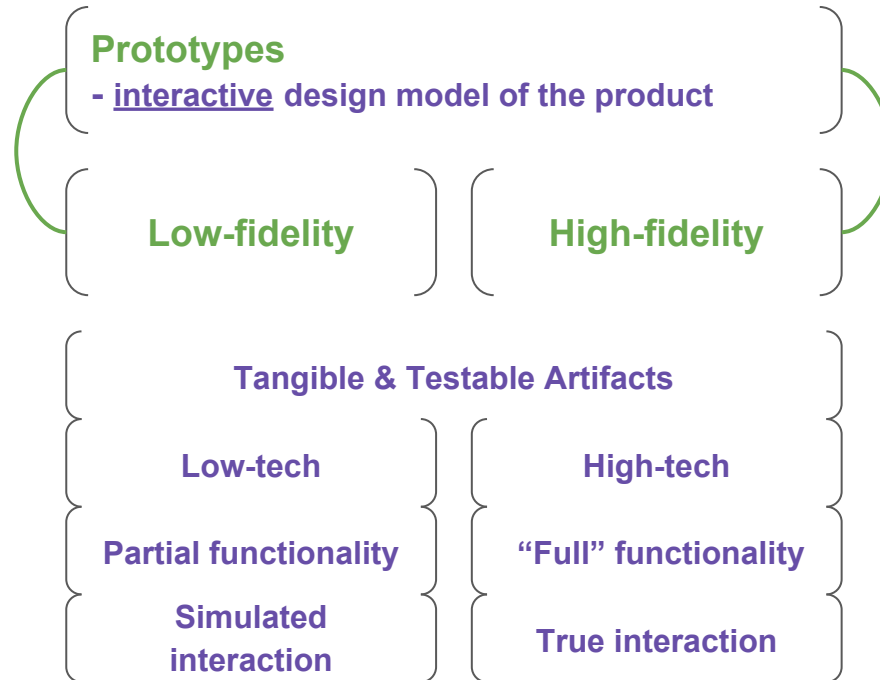


Prototype Design



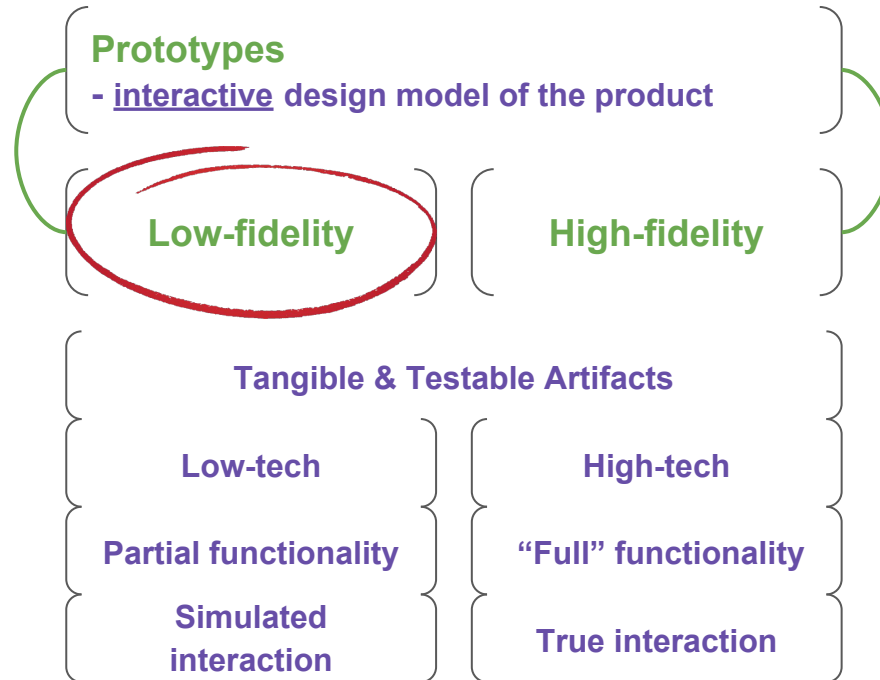


Prototype Design





Prototype Design





Prototype Design

Paper Prototypes

Interactive

Lo-fi
appearance /
input

Hi-fi depth /
breadth

Simulation of a
back-end

Early feedback

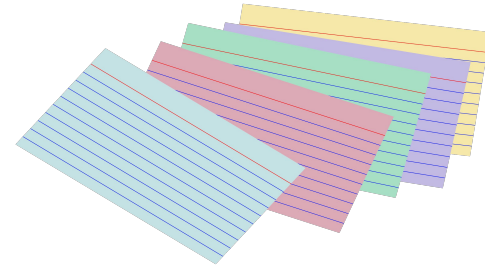
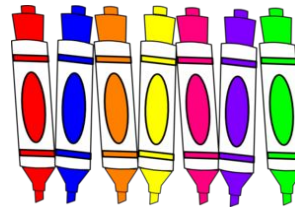
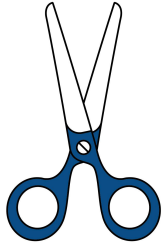
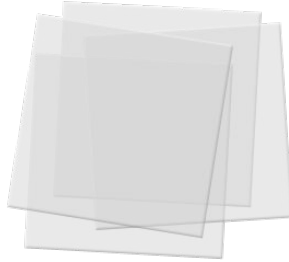
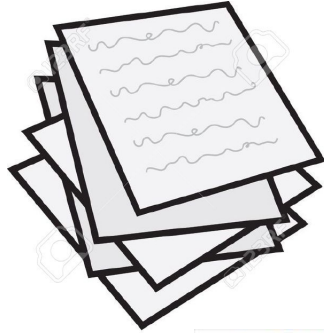
Experiment with
alternatives

Big picture
focus



Prototype Design

Paper Prototyping Tools





[Flickr. CannedTuna](#)



Prototype Design

Paper Prototyping Tips

Make it large

**Preprint
widgets**

**Add ideas as
they come**

Work fast!

**Use audio
description**

**Make it
monochrome**

**One sketch
per screen**