

Chapter 2: Accessibility and Visualization, *Basics*

Chapter 2, Episode 1: Accessibility standards, Chartability, and the “floor” of accessibility

So how do we *catch* barriers?

Listen to people with disabilities (PWD).

There are a lot of ways to listen:

1. Actually ask them!
2. Find where they are already speaking
3. Find where they have already spoken:
 - Research
 - Blog posts
 - Accessibility standards

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An acronym in web standards:

**P
O
U
R**

An acronym in web standards:

Perceivable

**O
U
R**

An acronym in web standards:

Perceivable

Operable

U

R

An acronym in web standards:

Perceivable

Operable

Understandable

R

The 4 pillars of accessible design:

Perceivable

Operable

Understandable

Robust

Perceivable
Operable
Understandable
Robust

Chartability's additions:

+

C

A

F

Elavsky et al, "Chartability." (2022)

Perceivable
Operable
Understandable
Robust

Chartability's additions:

+

Compromising

A

F

Elavsky et al, "Chartability." (2022)

Perceivable
Operable
Understandable
Robust

Chartability's additions:

+

Compromising
Assistive
F

Elavsky et al, "Chartability." (2022)

Perceivable
Operable
Understandable
Robust

Chartability's additions:

+
Compromising
Assistive
Flexible

Elavsky et al, "Chartability." (2022)

**“A map is not the territory it represents, but,
if correct, it has a similar structure to the
territory, which accounts for its usefulness,”
Alfred Korzybski ('33)**

**“Truth is much too complicated to allow
anything but approximations,”
John von Neumann ('47)**

**“All models are wrong,
but some are useful,”
George Box ('76)**

All principles are *incomplete*,
but some are *useful*.

Even if you follow principles as if they were laws, you'll be a better designer than one who has no principles at all.

But still: be willing to *go beyond* principles. They set the floor, not the ceiling, of good design.