

Re-Imagining Accessibility Guidelines

goo.gl/5pqtU7

Background

- Web Content Accessibility Guidelines (WCAG) 2.0 published in 2008
- WCAG 2.1 currently in process (to be finished in 2018)
- What's the next major upgrade? The Silver Project

Accessibility Guidelines = AG

PERIODIC TABLE OF THE ELEMENTS

GROUP

PERIOD

RELATIVE ATOMIC MASS (1)

GROUP IUPAC

GROUP CAS

ATOMIC NUMBER

SYMBOL

ELEMENT NAME

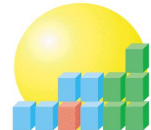
Legend:

- Metal
- Semimetal
- Nonmetal
- Alkali metal
- Alkaline earth metal
- Transition metals
- Lanthanide
- Actinide
- Chalcogens element
- Halogens element
- Noble gas

STANDARD STATE (25 °C; 101 kPa)

- Ne - gas
- Hg - liquid
- Fe - solid
- Te - synthe

1	2											18																						
1	IA	3	4											10	VIIIA																			
1	H	3	Li	4	Be											10	Ne																	
2	Li	Be	5	B	6	C	7	N	8	O	9	F	10	Ne																				
3	Na	Mg	13	Al	14	Si	15	P	16	S	17	Cl	18	Ar																				
4	K	Ca	21	Sc	22	Ti	23	V	24	Cr	25	Mn	26	Fe	27	Co	28	Ni	29	Cu	30	Zn	31	Ga	32	Ge	33	As	34	Se	35	Br	36	Kr
5	Rb	Sr	39	Y	40	Zr	41	Nb	42	Mo	43	Tc	44	Ru	45	Rh	46	Pd	47	Ag	48	Cd	49	In	50	Sn	51	Sb	52	Te	53	I	54	Xe
6	Cs	Ba	57-71	Hf	72	Ta	73	W	74	Re	75	Os	76	Ir	77	Pt	78	Au	79	Hg	80	Tl	81	Pb	82	Bi	83	Po	84	At	85	Rn		
7	Fr	Ra	89-103	Rf	104	Db	105	Sg	106	Bh	107	Hs	108	Mt	109	Ds	110	Rg	111	Cn	112	Uut	113	Fl	114	Uup	115	Lv	116	Uuq	117	Uus	118	Uuo



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(1) Pure Appl. Chem., 88, 265-291 (2016)

LANTHANIDE

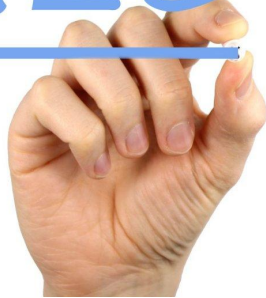
57	58	59	60	61	62	63	64	65	66	67	68	69	70	71
La	Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
LANTHANUM	CERMIUM	PRASEODYMIUM	NEODYMIUM	PROMETHIUM	SAMARIUM	EUROPIUM	GADOLINIUM	TERBIUM	DYSPROSIUM	HOLMIUM	ERBIUM	THULIUM	YTERBIUM	LUTETIUM

ACTINIDE

89	90	91	92	93	94	95	96	97	98	99	100	101	102	103
Ac	Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No	Lr
ACTINIUM	THORIUM	PROTACTINIUM	URANIUM	NEPTUNIUM	PLUTONIUM	AMERICIUM	CURIUM	BERKELIUM	CALIFORNIUM	EINSTEINIUM	FERMIUM	MENDELEVIUM	NOBELIUM	LAWRENCIUM

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Silver GOALS



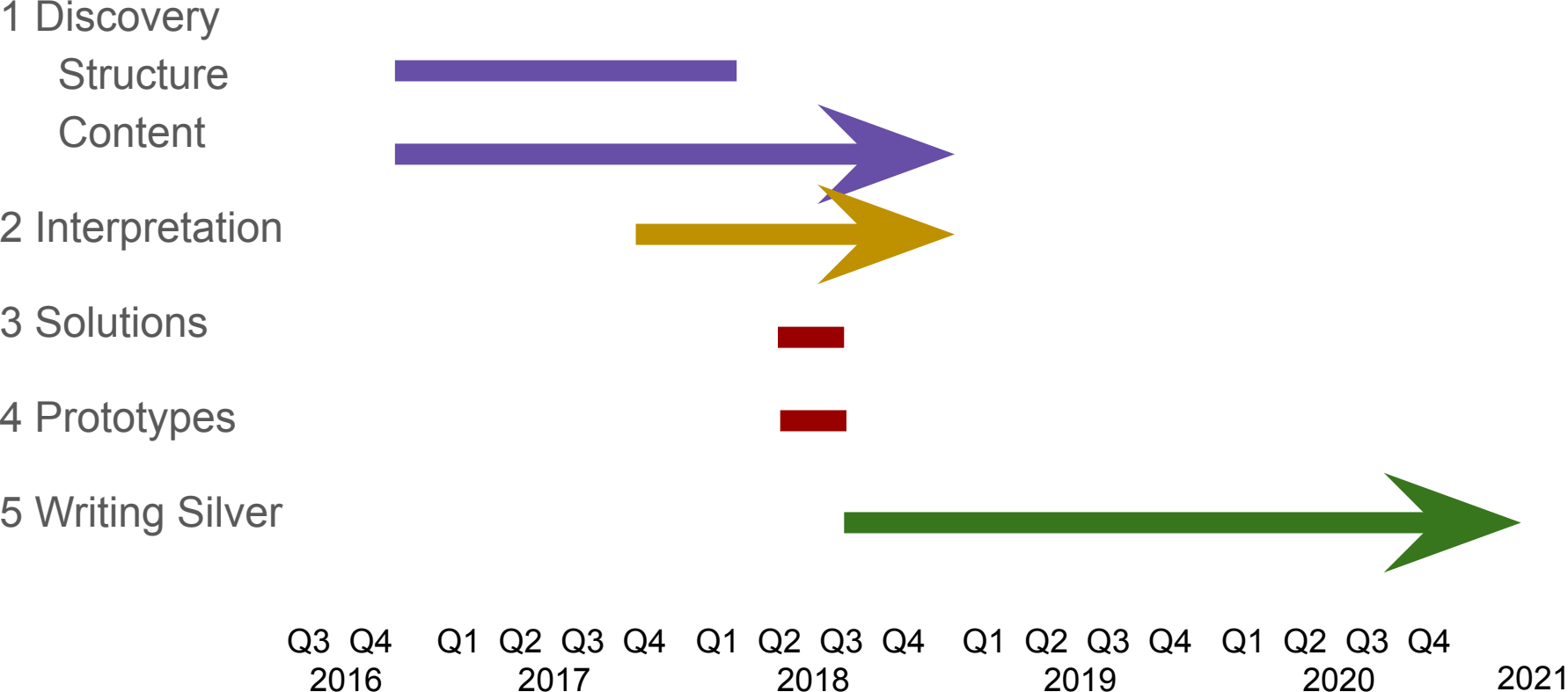
Content

- ❖ Easier to use
- ❖ Easier to reference
- ❖ Easier to understand
- ❖ Expanded scope
- ❖ Inclusive of more disabilities
- ❖ Inclusive of more perspectives
- ❖ Inclusive of more technologies
- ❖ Useful for more people

Process & Structure

- ❖ Based on evidence and data
- ❖ Broadly communicate our efforts
- ❖ Clear project milestones
- ❖ Inclusive communication paths
- ❖ Inclusive of more perspectives
- ❖ Involve more stakeholders
- ❖ Easier to maintain and update
- ❖ Clearer update path

Silver Plan



Research Done ([Overview](#))

- WCAG Use by UX Professionals (survey)
- WCAG Success Criteria Usability Study (survey)
- Internet of Things Accessibility (survey & interviews)
- Interviews on Conformance
- Interviews on Legacy of WCAG 2.0 Creation
- Feedback from Reimagining Accessibility Guidelines Presentations
- Web Accessibility Perceptions
- Student research on Silver research questions (9 papers)

Structural Problem Areas from Research Findings

Usability

- Too Difficult to Read
- Difficult to get started
- Ambiguity in interpreting the success criteria
- Persuading Others

Conformance Model

- Strictly Testable Constraints
- Human Testable
- Accessibility Supported
- Evolving Technology

Maintenance

- Flexibility
- Scaling
- Governance

Design Sprint Video



Design Sprint Explorations



- Writing Silver in simple language
- Information architecture development
- Flexibly filterable guidance
- Development cycle focused navigation of guidance
- Taking Accessibility Supported conformance out of an author responsibility
- Role-based filtering of guidance
- Avenues for contributions to guidelines contributions
- Design studio workshops to get more people to contribute
- Browser and assistive technology guidance
- Flexible conformance model
- Inclusion of user testing results for conformance

Suggestions

From the Silver Design Sprint

[Report of the Silver Design Sprint](#)

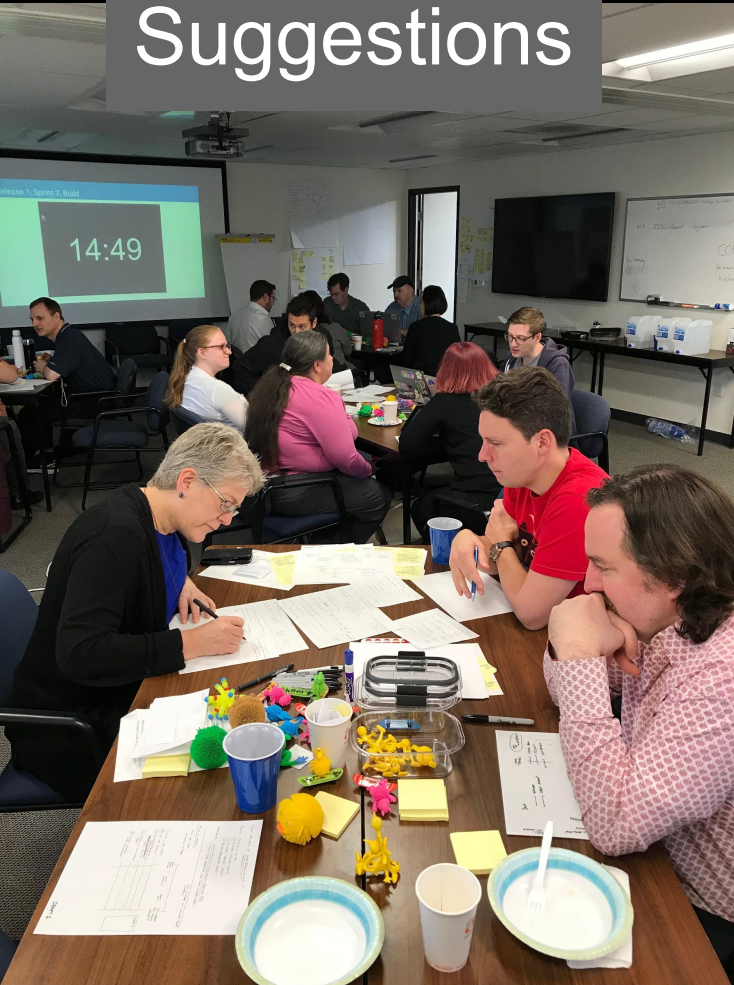
Suggestions



Usability

- Simple language
- Filtering - “database all the things” to target info
- Easier to find info
- Find info by role, by problem, by disability, and by platform
- Starting point for beginners

Suggestions



Conformance

- From Pass/Fail tests to also include other forms of measurement.
- Rubric for testing task accomplishment
- Point and ranking system
- Accommodate dynamic or frequently updated content

Suggestions



Maintenance

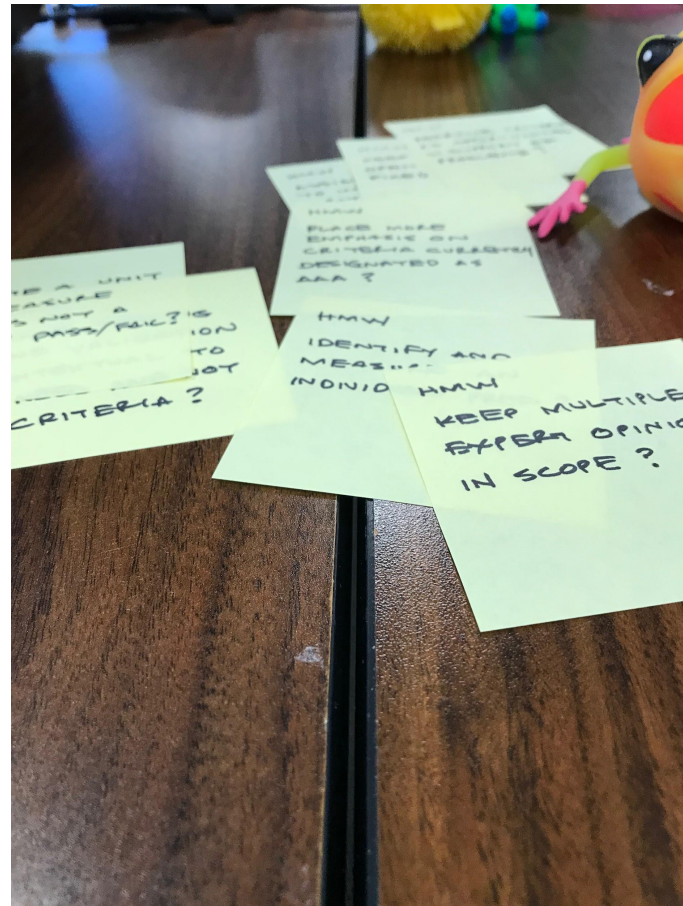
- Allow experts to contribute code, tests, design patterns
- Improve spec tools to allow more people with disabilities to contribute
- Allow more public participation

Recruiting

Silver Community Group

w3.org/community/silver

- Information Architecture
- Plain language editors
- Design
- Development
- Content help (starting this Fall)



Questions?



Silver Community Group
w3.org/community/silver/

Silver Community Group
Co-Chairs:

Shawn Lauriat, Google,
lauriat@google.com

Jeanne Spellman, The Paciello
Group

jspellman@paciellogroup.com