

MAKING DIGITAL ACCESSIBILITY ACCESSIBLE & FUN!



JAMIE SICKEL

Instructional Designer



UNIVERSITY of HAWAII®

KAPI'OLANI
COMMUNITY COLLEGE



YOUXIN ZHANG

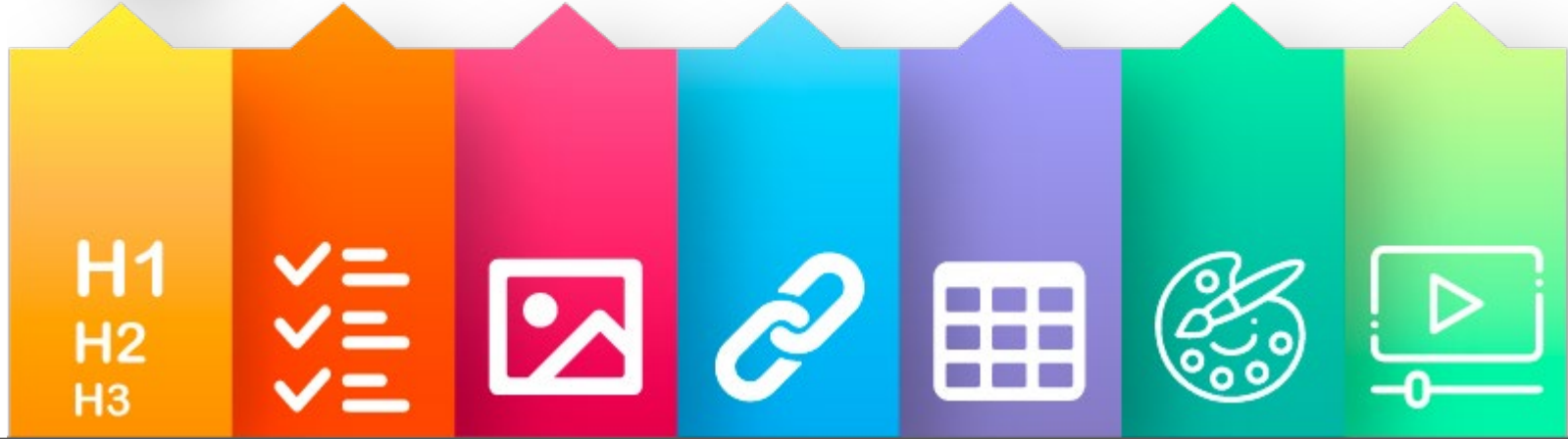
Instructional Designer

6+ FUNDAMENTALS





HEADINGS



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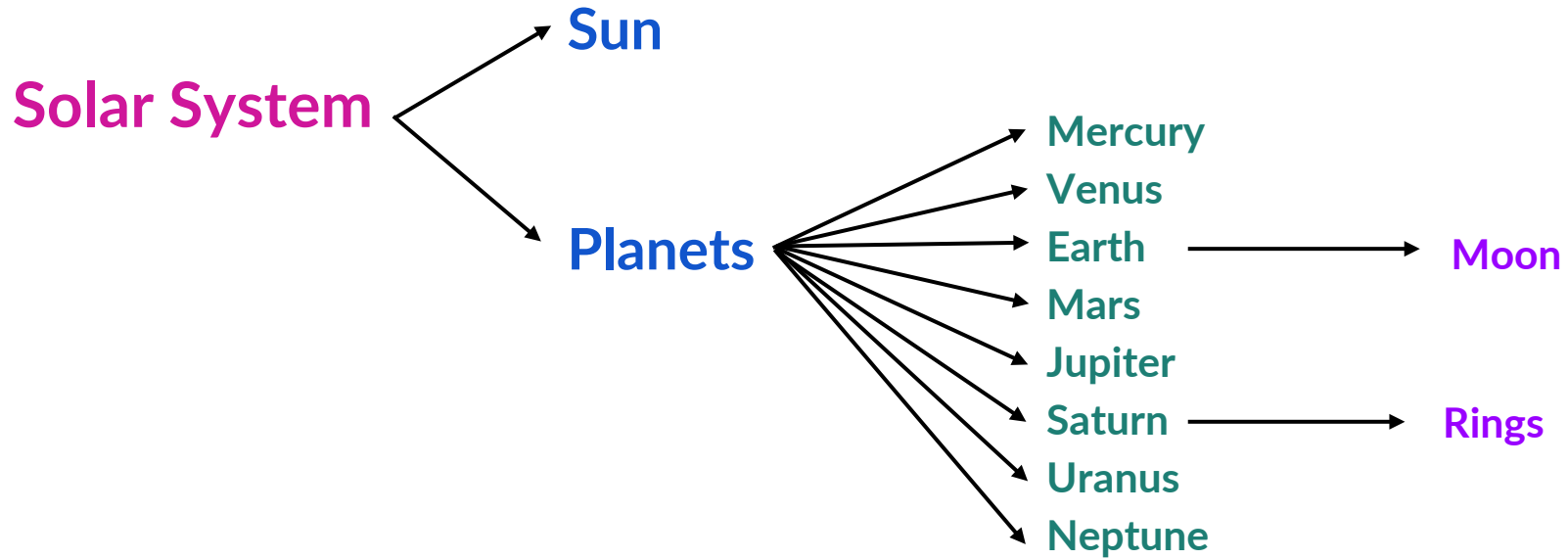
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★ Heading 1

Heading 2

Heading 3

Heading 4



Headings are NOT ordinal...they are **hierarchical**

LIST

Solar System

- I. Sun
- II. Planets
 - A. Mercury
 - B. Venus
 - C. Earth
 - 1. Moon
 - D. Mars
 - E. Jupiter
 - F. Saturn
 - 1. Rings
 - G. Uranus
 - H. Neptune

HEADINGS

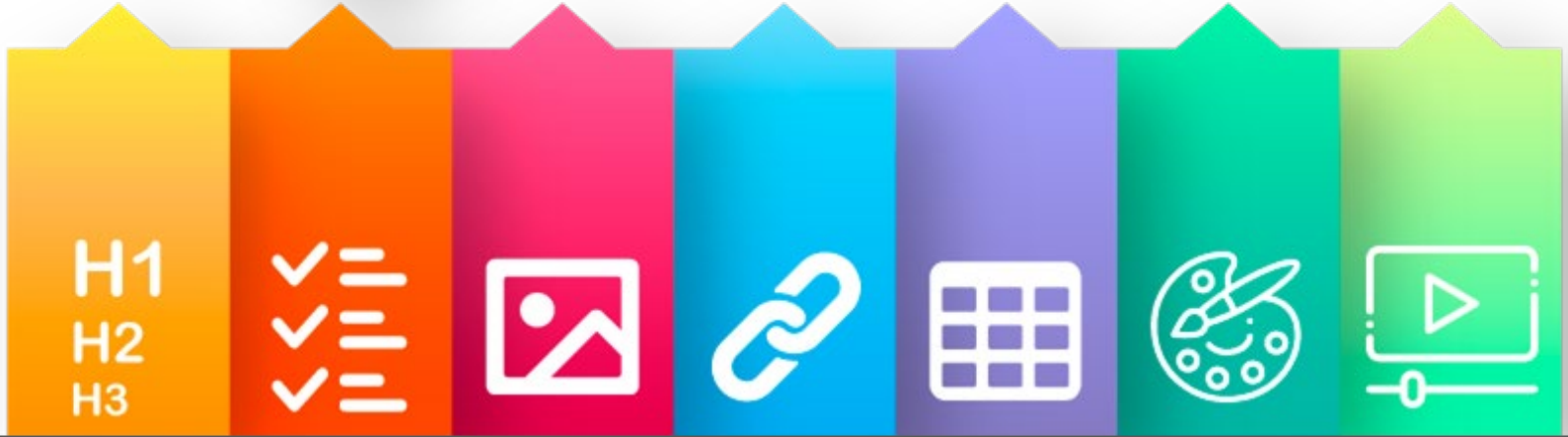
- <h1> Solar System
- <h2> Sun
- <h2> Planets
 - <h3> Mercury
 - <h3> Venus
 - <h3> Earth
 - <h4> Moon
 - <h3> Mars
 - <h3> Jupiter
 - <h3> Saturn
 - <h4> Rings
 - <h3> Uranus
 - <h3> Neptune

HEADINGS

- ✓ Heading 1 should only be used once (title). Other headings can be used multiple times.
- ✓ Use headings in hierarchical order.
- ✓ Always use Headings - don't just simply Bold, Caps, or use Bigger Font or Color. **Use the built-in Headings feature (Styles) in Word.**



LISTS





- 1. 2D Shapes
 - a. Circle
 - b. Square
 - c. Triangle
- 2. 3D Shapes
 - a. Sphere
 - b. Cube
 - c. Pyramid



- 1. 2D Shapes
 - 2. Circle
 - 3. Square
 - 4. Triangle
- 5. 2D Shapes
 - 1. Circle
 - 2. Square
 - 3. Triangle



- 2D Shapes
 - Circle
 - Square
 - Triangle
- 2D Shapes
 - Circle
 - Square
 - Triangle



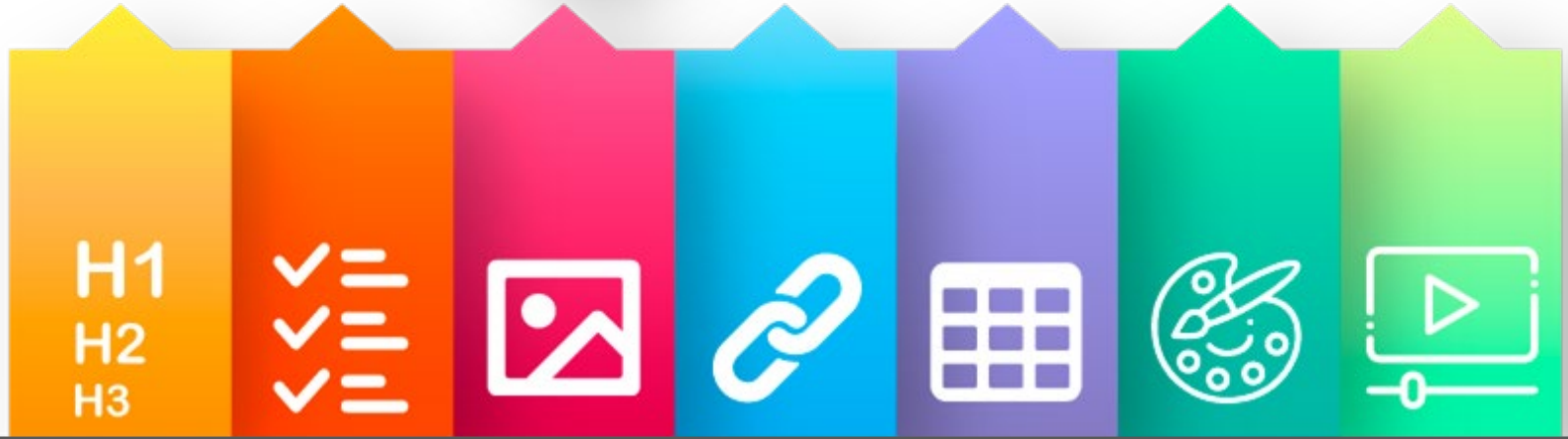
- 2D Shapes
 - Circle
 - Square
 - Triangle
- 3D Shapes
 - Sphere
 - Cube
 - Pyramid

LISTS

- ✓ Use different types of lists to group information according to its nature.
 - Bulleted List (order irrelevant)
 - Numbered List (sequential)
 - Outline/Nested List (2+ levels of content)
- ✓ Apply a different labeling scheme at each level.
- ✓ Use actual list formatting (not dashes)



IMAGES



Decorative Images

Do not convey any meaningful/relevant info.

Lines/dividers, clipart, design elements



**Null alt text
(alt="")**

No space character!

Simple Images

Convey simple but relevant info.

Photos, simple graphics, icons, logos



**Short description of relevant visual information
125- characters recommended**

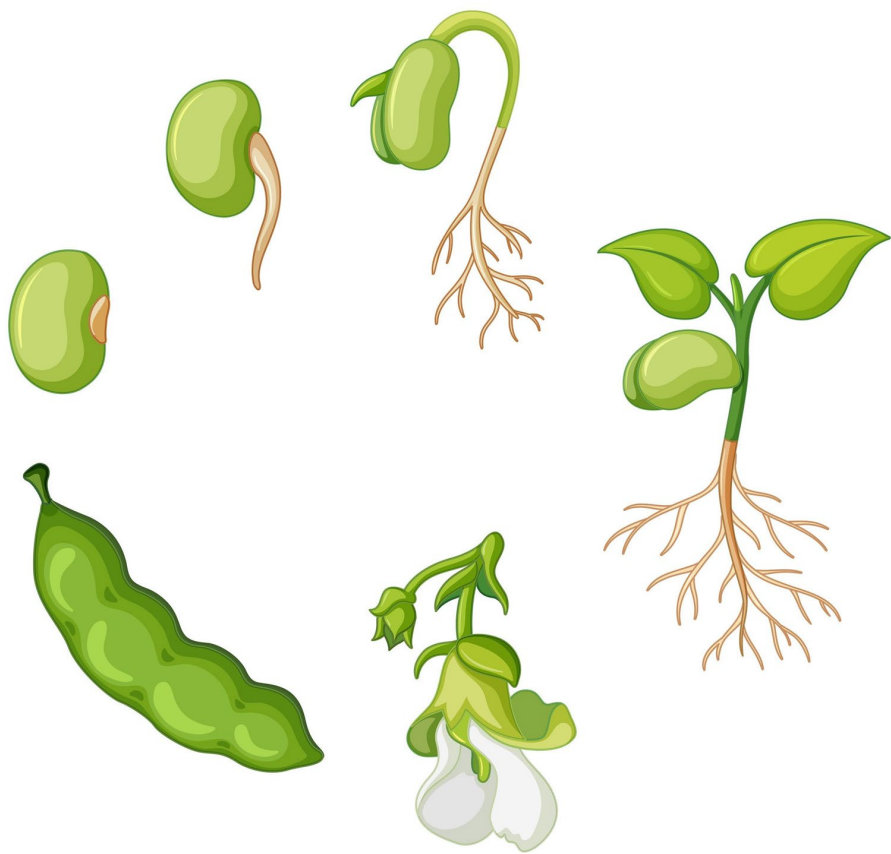
Complex Images

Convey large amounts or complex info.

Charts, concept maps, Infographics, equations



**Detailed description
+
Appendix**

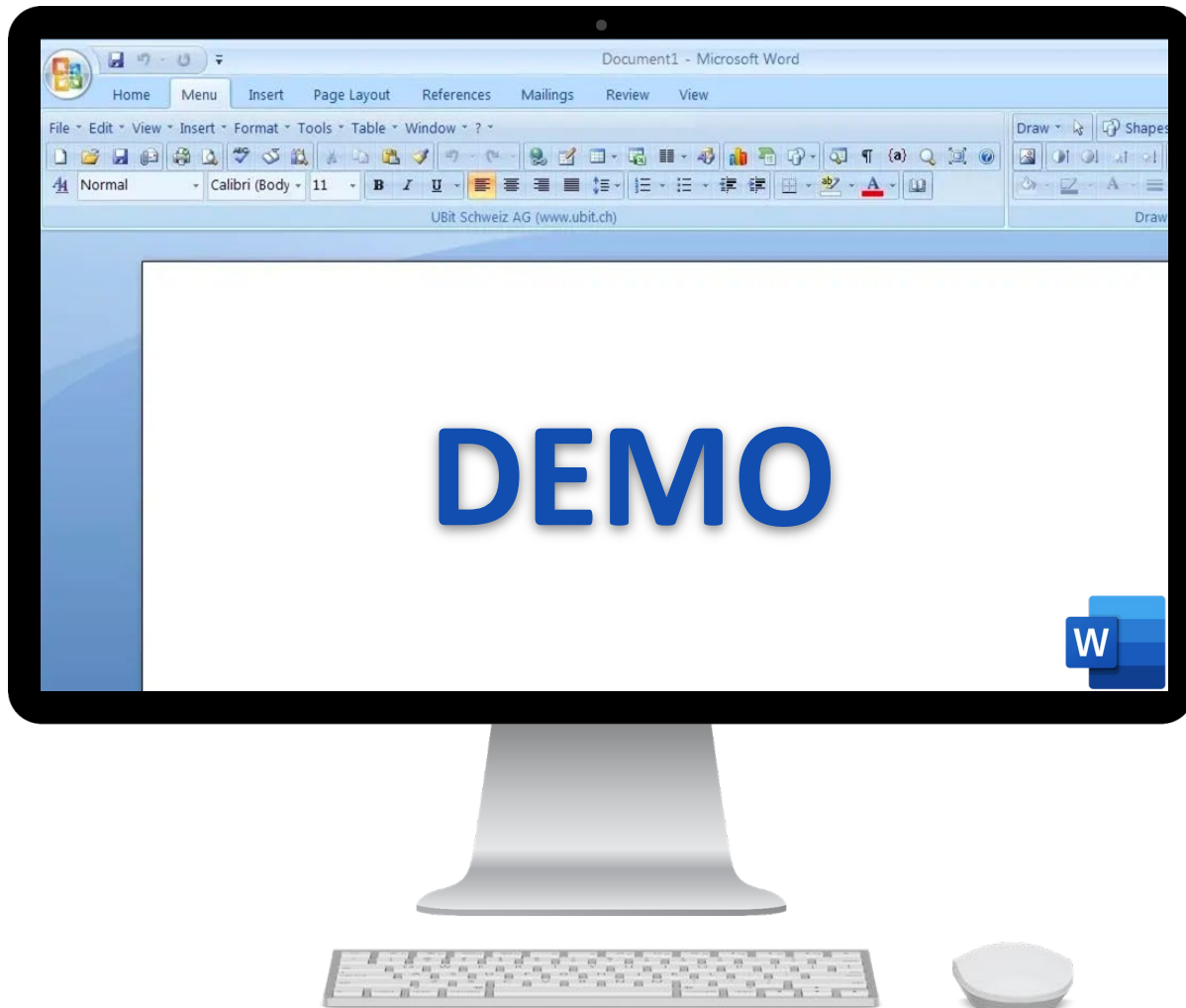


CONTEXT MATTERS.

Consider how the alt-text description for this image might differ across various scenarios...

IMAGES

- ✓ Every image should have alt-text unless decorative
- ✓ Description depends on context
- ✓ Be as concise as possible
- ✓ Avoid “image of”, “graphic of” or “photo of”
- ✓ End alt-text with a period



DEMO



LINKS



H1
H2
H3



How do I know that there is a [hyperlink](#) in this question?

How do I know that there is a hyperlink in [this question](#)?

How do I know that there is a hyperlink in this question?

✓ Reserve underlined and **blue text** for hyperlinks.

Be the screen reader: Which of these passages is the best option?



Visit

https://ohana.kapiolani.hawaii.edu/?_ga=2.78636119.2104931099.1543002633-462639756.1539837889 for more information.



Visit the [ohana faculty and staff page](#) for more information.

✓ Use meaningful keywords as links (not URLs).

LINKS

- ✓ Reserve underlined and **blue text** for links
- ✓ Use meaningful keywords (not URLs)
- ✓ Links should make sense out of context (avoid “click here”)
- ✓ Alert the user if link opens in a new window [new window]
- ✓ If doc is for print, create version with URLs or include shortened URLs for both Web and print (e.g., bit.ly)

TABLES



H1
H2
H3



Module	Assignment	Points
Module 1	Activity 1	20
	Activity 2	30
	Activity 3	40
Module 2	Activity 1	25
	Activity 2	20
	Activity 3	30
Module 3	Activity 1	50
	Activity 2	100

Screen Reader:

Module
 Assignment
 Points
 Module 1
 Activity 1
 Activity 2
 Activity 3
 20
 30
 40



Screen Reader:

Module:
 Module 1
Assignment:
 Activity 1
Points:
 20
Module:
 Module 1
Assignment:
 Activity 2
Points:
 30

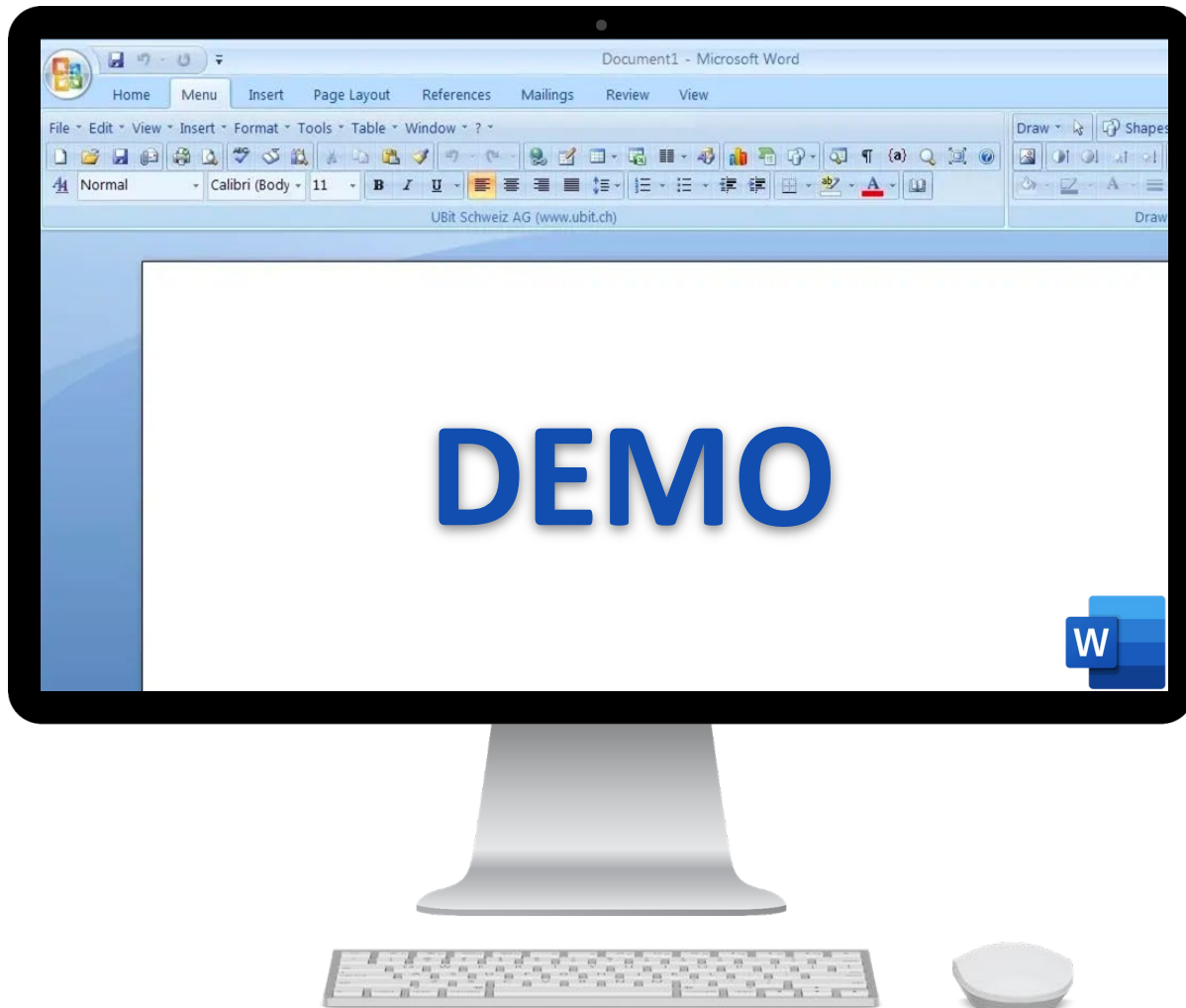
<u>Module</u>	<u>Assignment</u>	<u>Points</u>
Module 1	Activity 1	20
Module 1	Activity 2	30
Module 1	Activity 3	40
Module 2	Activity 1	25
Module 2	Activity 2	20
Module 2	Activity 3	30
Module 3	Activity 1	50
Module 3	Activity 2	100

- ✓ Headers
- ✓ One piece of info per cell
- ✓ No merged cells

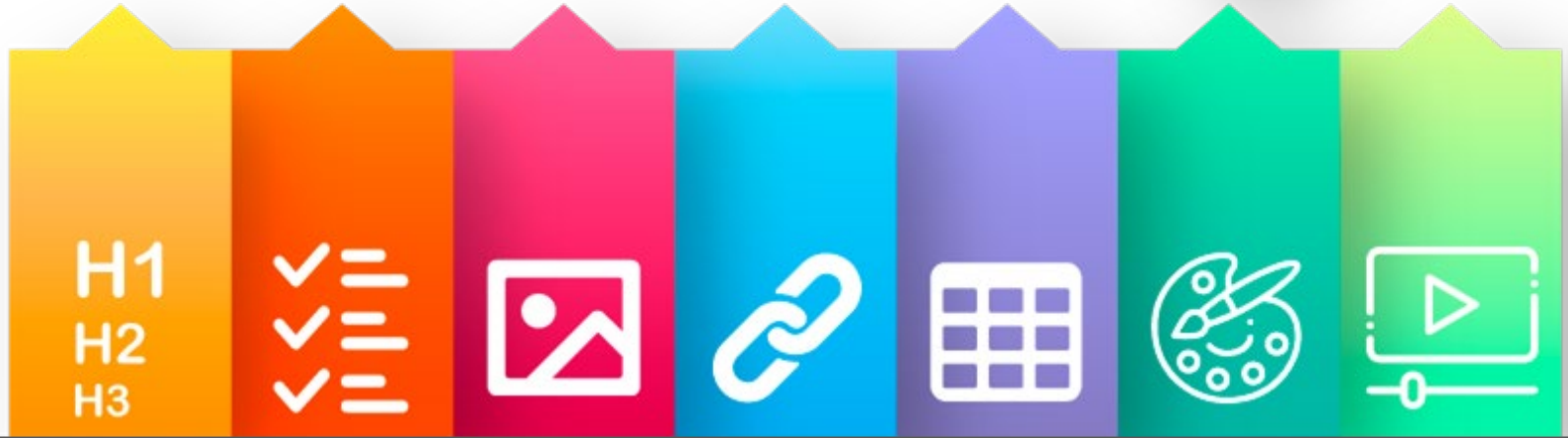
TABLES

☆ Use Only When Necessary & Keep It Simple!

- ✓ Use table to present data, not format your content
- ✓ Provide a title
- ✓ Identify header(s) (row and/or column)
- ✓ Fill all cells; do not merge
- ✓ Enter description using Table Properties > Alt Text
- ✓ Create tables as plain text, not as inserted image



COLORS



GOOD

BAD

GOOD

BAD

GOOD

BAD

GOOD

BAD

GOOD

BAD

YÉ É @

9 @

YÉ É @

9 @

GOOD

BAD

SIGHTED

All green text in this document is important.

VARIOUS
TYPES OF
COLOR
BLINDNESS

All green text in this document is important.

All green text in this document is important.

All green text in this document is important.


All green text in this document is important.

SCREEN
READER
USER

“All green text in this document is important.”



COLOR

- ✓ Provide sufficient contrast between background color and text.
 - ✓ Use supplemental formatting with color to convey meaning.
- 

AUDIO + VIDEO



H1
H2
H3



AUDIO + VIDEO

- ✓ Provide title/description and accurate transcription for audio files
- ✓ Provide accurate captioning for videos
- ✓ Indicate the length of the file in the title/description for audio and video clips

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