STYLES IN WORD

1.4 STYLES IN WORD:

-Paragraph styles: Applied to a paragraph

-Character styles: Applied to a span of text

-Table styles:Applied to a table

-Numbering definitions:Applied to a list

2.STYLE PROPERTIES:

-The library: If you want to use a style in a document you create with python-docx, the document you start with must contain the style definition. Otherwise it just won’t work. It won’t raise an exception, it just won’t work.

-Identifying a style: A style has three identifying properties, name, style\_id, and type.

+Each style’s name property is its stable, unique identifier for access purposes.

+A style’s style\_id is used internally to key a content object such as a paragraph to its style. However this value is generated automatically by Word and is not guaranteed to be stable across saves. In general, the style id is formed simply by removing spaces from the localized style name, however there are exceptions. Users of python-docx should generally avoid using the style id unless they are confident with the internals involved.

+A style’s type is set at creation time and cannot be changed.

-How Word stores its styles: Styles are merged into the application itself, but are written into a *styles.xml* file to store it in the file, saving space as to having a *styles.xml* file with every style available

-Style behavior: In addition to collecting a set of formatting properties, a style has five properties that specify its behavior:

1.hidden

2.quick\_style

3.unhide\_when\_used

4.priority

5.locked

+Example: A style appears in the recommended list if its hidden property is False (the default). If a style is not hidden and its quick\_style property is True, it also appears in the style gallery. If a hidden style’s unhide\_when\_used property is True, its hidden property is set False the first time it is used. Styles in the style lists and style gallery are sorted in priority order, then alphabetically for styles of the same priority. If a style’s locked property is True and formatting restrictions are turned on for the document, the style will not appear in any list or the style gallery and cannot be applied to content.

-Style inheritance:

A style can inherit properties from another style, somewhat similarly to how Cascading Style Sheets (CSS) works. Inheritance is specified using the base\_style attribute. By basing one style on another, an inheritance hierarchy of arbitrary depth can be formed. A style having no base style inherits properties from the document defaults.

-Latent styles:

+The need to specify the UI behavior of built-in styles not defined in *styles.*xml gives rise to the need for latent style definitions. A latent style definition is basically a stub style definition that has at most the five behavior attributes in addition to the style name. Additional space is saved by defining defaults for each of the behavior attributes, so only those that differ from the default need be defined and styles that match all defaults need no latent style definition.

+Latent style definitions are specified using the w:latentStyles and w:lsdException elements appearing in styles.xml.

+A latent style definition is only required for a built-in style because *only a built-in style can appear in the UI without a style definition in styles.xml*.

\*DEFAULT STYLES:

-PARAGRAPH:

* Normal
* Body Text
* Body Text 2
* Body Text 3
* Caption
* Heading 1
* Heading 2
* Heading 3
* Heading 4
* Heading 5
* Heading 6
* Heading 7
* Heading 8
* Heading 9
* Intense Quote
* List
* List 2
* List 3
* List Bullet
* List Bullet 2
* List Bullet 3
* List Continue
* List Continue 2
* List Continue 3
* List Number
* List Number 2
* List Number 3
* List Paragraph
* Macro Text
* No Spacing
* Quote
* Subtitle
* TOCHeading
* Title

-CHARACTER STYLES:

* Body Text Char
* Body Text 2 Char
* Body Text 3 Char
* Book Title
* Default Paragraph Font
* Emphasis
* Heading 1 Char
* Heading 2 Char
* Heading 3 Char
* Heading 4 Char
* Heading 5 Char
* Heading 6 Char
* Heading 7 Char
* Heading 8 Char
* Heading 9 Char
* Intense Emphasis
* Intense Quote Char
* Intense Reference
* Macro Text Char
* Quote Char
* Strong
* Subtitle Char
* Subtle Emphasis
* Subtle Reference
* Title Char

-TABLE STYLES:

* Table Normal
* Colorful Grid
* Colorful Grid Accent 1
* Colorful Grid Accent 2
* Colorful Grid Accent 3
* Colorful Grid Accent 4
* Colorful Grid Accent 5
* Colorful Grid Accent 6
* Colorful List
* Colorful List Accent 1
* Colorful List Accent 2
* Colorful List Accent 3
* Colorful List Accent 4
* Colorful List Accent 5
* Colorful List Accent 6
* Colorful Shading
* Colorful Shading Accent 1
* Colorful Shading Accent 2
* Colorful Shading Accent 3
* Colorful Shading Accent 4
* Colorful Shading Accent 5
* Colorful Shading Accent 6
* Dark List
* Dark List Accent 1
* Dark List Accent 2
* Dark List Accent 3
* Dark List Accent 4
* Dark List Accent 5
* Dark List Accent 6
* Light Grid
* Light Grid Accent 1
* Light Grid Accent 2
* Light Grid Accent 3
* Light Grid Accent 4
* Light Grid Accent 5
* Light Grid Accent 6
* Light List
* Light List Accent 1
* Light List Accent 2
* Light List Accent 3
* Light List Accent 4
* Light List Accent 5
* Light List Accent 6
* Light Shading
* Light Shading Accent 1
* Light Shading Accent 2
* Light Shading Accent 3
* Light Shading Accent 4
* Light Shading Accent 5
* Light Shading Accent 6
* Medium Grid 1
* Medium Grid 1 Accent 1
* Medium Grid 1 Accent 2
* Medium Grid 1 Accent 3
* Medium Grid 1 Accent 4
* Medium Grid 1 Accent 5
* Medium Grid 1 Accent 6
* Medium Grid 2
* Medium Grid 2 Accent 1
* Medium Grid 2 Accent 2
* Medium Grid 2 Accent 3
* Medium Grid 2 Accent 4
* Medium Grid 2 Accent 5
* Medium Grid 2 Accent 6
* Medium Grid 3
* Medium Grid 3 Accent 1
* Medium Grid 3 Accent 2
* Medium Grid 3 Accent 3
* Medium Grid 3 Accent 4
* Medium Grid 3 Accent 5
* Medium Grid 3 Accent 6
* Medium List 1
* Medium List 1 Accent 1
* Medium List 1 Accent 2
* Medium List 1 Accent 3
* Medium List 1 Accent 4
* Medium List 1 Accent 5
* Medium List 1 Accent 6
* Medium List 2
* Medium List 2 Accent 1
* Medium List 2 Accent 2
* Medium List 2 Accent 3
* Medium List 2 Accent 4
* Medium List 2 Accent 5
* Medium List 2 Accent 6
* Medium Shading 1
* Medium Shading 1 Accent 1
* Medium Shading 1 Accent 2
* Medium Shading 1 Accent 3
* Medium Shading 1 Accent 4
* Medium Shading 1 Accent 5
* Medium Shading 1 Accent 6
* Medium Shading 2
* Medium Shading 2 Accent 1
* Medium Shading 2 Accent 2
* Medium Shading 2 Accent 3
* Medium Shading 2 Accent 4
* Medium Shading 2 Accent 5
* Medium Shading 2 Accent 6
* Table Grid

3.WORKING WITH STYLES: