Macquarie Reports in Mathematics & TeX Development, January 2017

Development of Tagged PDF for Accessibility

Testing Tagged PDF with LaTeX

Preparing LaTeX for the advent of PDF 2.0

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Development of Tagged PDF for Accessibility

To my dog 'Champers', a rescued greyhound.

Contents

1 Overview

1.1 1st section

1.1.1 1st subsection

Jingle The quick brown fox jumps over the lazy dog.

1. an item

2. another item

   another item, but without a number

3. yet another item

1.1.2 2nd subsection

Some ridiculous words repeated to fill up a paragraph[1]. Some ridiculous words repeated to fill up a paragraph. Some ridiculous words repeated to fill up a paragraph. Some ridiculous words repeated to fill up a paragraph. Some ridiculous words repeated to fill up

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[1]Thanks for all the fish.

a paragraph. Some ridiculous words repeated to fill up a paragraph. Some ridiculous words repeated to fill up a paragraph. Some ridiculous words repeated to fill up a paragraph. Some ridiculous words repeated to fill up a paragraph. Some ridiculous words repeated to fill up a paragraph. Some ridiculous words repeated to fill up a paragraph. Some ridiculous words repeated to fill up a paragraph. Some ridiculous words repeated to fill up a paragraph. Some ridiculous words repeated to fill up a paragraph. Some ridiculous words repeated to fill up a paragraph. Some ridiculous words repeated to fill up a paragraph. Some ridiculous words repeated to fill up a paragraph. Some ridiculous words repeated to fill up a paragraph. Some ridiculous words repeated to fill up a paragraph. Some ridiculous words repeated to fill up a paragraph.

Here is a paragraph by itself.

1.1.2.1 Let's have some fun.

Hello World.

Goodbye Universe.

2nd section

Now for another paragraph by itself.
And another paragraph by itself.
And another paragraph by itself.
And another paragraph by itself.
And another paragraph by itself.
And another paragraph by itself.

1.1.2.2 Let's have some fun with styled text.

And another with some **bold text**.
And another with **bold text and *italiced text* within the bold**.
This time *reversing the order of the **styling in the text***.

Go back to fun: (§1.1.2.1, §1.1.2.2) or express this as (§§1.1.2.1–1.1.2.2) or as (¶¶1.1.2.1–1.1.2.2).
Or check out the Matterhorn Protocol [1, 3].

Some ridiculous words repeated to fill up a paragraph. Some ridiculous words repeated to fill up a paragraph. Some ridiculous words repeated to fill up a paragraph. Some ridiculous words repeated to fill up a paragraph. Some ridiculous words repeated to fill up a paragraph. Some ridiculous words repeated to fill up a paragraph. Some ridiculous words

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1.2 Nested Lists

- an item

- another item

  another item, but without a bullet

- yet another item

1. an item

2. another item leading into a list of:
   - an item
   - another item
     another item, but without a bullet
   - yet another item

   with more stuff coming afterwards

   another item, but without a number

3. yet another item

Bibliography

[1] The Matterhorn Protocol (version 1.02); PDF Association, 2014.
http://www.pdfa.org/publication/the-matterhorn-protocol-1/.

[2] PDF/UA-1 Technical Implementation Guide: Understanding ISO 32000-1 (PDF 1.7);
AIIM, http://www.aiim.org/Global/AIIM_Widgets/Community_Widgets/
Technical-Implementation-Guide-32000-1.

[3] PDF/UA in a Nutshell; PDF Association, 2012.
https://www.pdfa.org/download/pdfua-in-a-nutshell/.

[4] ISO 14289-1:2014, Document management applications — Electronic document file
format enhancement for accessibility — Part 1: Use of ISO 32000-1 (PDF/UA-1).
International Standards Organisation, 2014. http://www.iso.org/iso/home/store/
catalogue_ics/catalogue_detail_ics.htm?csnumber=64599&ICS1=35&ICS2=240&ICS3=30.