slide-lint - A slide smell checker in similar vain to pylint and other code smell tools.

Reads in PDF of presentation slides and checks common problems, outputs a summary report on the problems. In a similar vein to "code lint" tools like slidelint, jslint and lint.

The presentation slides will be run against a set of checks which can be individually enabled or disabled. The checks which are to be implemented can found at the end of this document.

Delivery Details

Code must;
- Be a command line program with **no graphical user interface**. Must **not** require Xwindows or other windowing system to run.
- Written in Python and compatible with either Python 2.7 or Python 3.3
- Work on Ubuntu Linux 12.04 (Precise)
- Have comprehensive test suite, code **will not** be considered workin**g** unless test suite provide it does. Test suite should include example slides which both pass and fail each check, these slides will need to be created by the developer and will **not be provided**.
- Pluggable system for allowing the development of new checks without changing the core code. All checks must be implemented using this pluggable system.

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Code should be released on GitHub.

Command Line Interface

Output Format

```
$ slidelint --include-ids=y myslides.pdf
No config file found, using default configuration
************* Slide Deck myslides
C0111:Slide 1: Low text color to background contrast
W0402:Slide 3: You are using gendered pronouns.
C0103:Slide 5: Text font size is too small.
```

```
$ slidelint myslides.pdf
No config file found, using default configuration
************* Slide Deck myslides
C:Slide 1: Low text color to background contrast
W:Slide 3: You are using gendered pronouns.
C:Slide 5: Text font size is too small.


$ slidelint --help-msg=C0111
No config file found, using default configuration
:C0111: *Low text color to background contrast*
  Projectors are notorious for not having good contrast. Your text to too
  close to the background color and might be unreadable.
```

Arguments

Reports

--output-format=<format>, -f <format>
Set the output format. Available formats are text, parseable, colorized, msvs (visual studio) and html
[current: text]

--include-ids=<y_or_n>, -i <y_or_n>
Include message's id in output [current: no]

--files-output=<y_or_n>
Put messages in a separate file for each module / package specified on the command line instead of
printing them on stdout. [current: no]

Messages Control

--enable=<msg ids>, -e <msg ids>
Enable the message, report, category or checker with the given id(s). You can either give multiple
identifier separated by comma (,) or put this option multiple time.

--disable=<msg ids>, -d <msg ids>
Disable the message, report, category or checker with the given id(s). You can either give multiple
identifier separated by comma (,) or put this option multiple time.

Checks

Examples shown with a **red border** are slides which have issues. They should **fail** this check.
Examples shown with a **green border** are slides which are okay. They should **pass** this check.
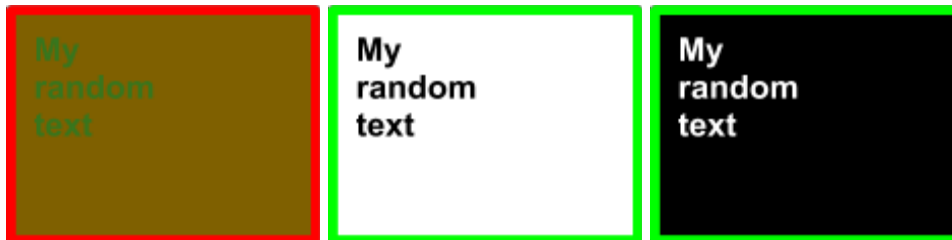
Text Checks

No text found

Type: WARNING

No text was found in the PDF file making it impossible to check the following things below.

Text color to background contrast

Type: CRITICAL

Check that there is sufficient contrast between text and the background behind it.
For example; green on brown bad. Blue on white, white on black, black on white.
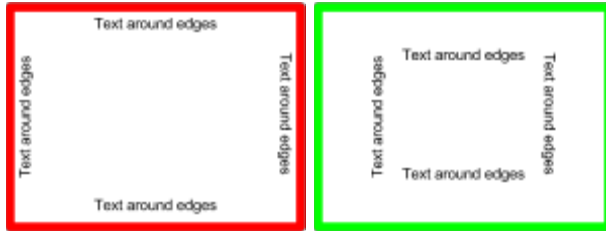

Text font size

Type: CRITICAL

Text should take up a minimum of 1/6th the page.

Text in "danger zone" around edges

Type: CRITICAL

Text should not appear close to the edges.

Text on images should have an outline
Type: CRITICAL

Content Quality Checks

Grammar Checks
Type: CRITICAL

Where/Were
Their/There
Then/Than

http://www.grammar-monster.com/common_grammar_errors.htm

Gendered pronouns
Type: WARNING

Loosely speaking, a pronoun is a part of speech that takes the place of other nouns. Some pronouns are: I, we, he, she, all, it, they, their, etc.

Gendered pronouns are those that indicate gender: he, she, him, her, hers, his, himself and herself.
All others, like "it, "one," and "they," are gender-neutral.

http://www.dailywritingtips.com/ten-ways-to-avoid-gender-bias/

Hello guys!

He wrote awesome code

"Say you had a manager and **he** was mean -- what would you do?

Hello people!

Their code was awesome

"Say you had a manager and **they** were mean -- what would you do?