RegEx Search & Replace Extension for Chrome and Firefox

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Abstract

The aim of this project was to build a browser extension to allow users to search and replace text with regular expressions in editable text input fields of web pages.

After evaluating existing extensions that were unsuccessfully attempting to implement this functionality, the new extension has been carefully designed, developed, and finally successfully released for Chrome and Firefox browsers.

In addition to the future-rich search and replace function, this plugin also adds the ability to save favorite patterns, store search history, or predefine text templates that can be inserted into the editable area of a page.

The software followed an iterative development process, where user feedback was collected via several means, including Google Analytics, which was used to track user interaction, and a support website used to collect user feedback comments.

After the initial release, about twenty updates have been subsequently released over the span of a few months. This iteration was further supported by automated tests of several kinds.

The extension has received excellent reviews and at the time of writing is installed on over 2000 devices.

Acknowledgements

Acknowledgements go here.

Table of Contents

Chapter 1

Introduction

The document structure should include:

- The title page in the format used above.
- An optional acknowledgements page.
- The table of contents.
- The report text divided into chapters as appropriate.
- The bibliography.

Commands for generating the title page appear in the skeleton file and are self explanatory. The file also includes commands to choose your report type (project report, thesis or dissertation) and degree. These will be placed in the appropriate place in the title page.

The default behaviour of the documentclass is to produce documents typeset in 12 point. Regardless of the formatting system you use, it is recommended that you submit your thesis printed (or copied) double sided.

The report should be printed single-spaced. It should be 30 to 60 pages long, and preferably no shorter than 20 pages. Appendices are in addition to this and you should place detail here which may be too much or not strictly necessary when reading the relevant section.

1.1 Using Sections

Divide your chapters into sub-parts as appropriate.

1.2 Citations

Note that citations (like [1] or [2]) can be generated using `BibTeX` or by using the `thebibliography` environment. This makes sure that the table of contents includes an entry for the bibliography. Of course you may use any other method as well.

1.3 Options

There are various documentclass options, see the documentation. Here we are using an option (`bsc` or `minf`) to choose the degree type, plus:

- `frontabs` (recommended) to put the abstract on the front page;
- `twoside` (recommended) to format for two-sided printing, with each chapter starting on a right-hand page;
- `singlespacing` (required) for single-spaced formating; and
- `parskip` (a matter of taste) which alters the paragraph formatting so that paragraphs are separated by a vertical space, and there is no indentation at the start of each paragraph.

Chapter 2

The Real Thing

Of course you may want to use several chapters and much more text than here.

Chapter 3

Conclusion

Bibliography

[1] Hiroki Arimura. Learning acyclic first-order horn sentences from entailment. In *Proc. of the 8th Intl. Conf. on Algorithmic Learning Theory, ALT '97*, pages 432–445, 1997.

[2] Che-Chung Chang and H. Jerome Keisler. *Model Theory*. North-Holland, third edition, 1990.