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E-Book Library Build System

PART I

Introduction

This system is designed to store e-books in **plain text format** and to generate readable html, pdf and other formats from it automatically. In order to accomplish this, the text files need to be formatted appropriately. The aim of this system is to ensure that the text is readable by itself and that other formats build on the text document and add appropriate features.

Since the books are stored in plain text, this is suitable only for <u>ASCII prose</u>. There is no provision for anything more than the most *simple* formatting. It is possible, therefore that some books might require preprocessing and might lose some formatting. Accented characters are not supported at this time.

Requirements

The following programs and libraries must be installed for proper functioning of this system:

1. txt2html
2. ruby
3. rubygems
4. hpricot gem
5. builder gem
6. rake gem
7. html2ps
8. ps2pdf (may be packaged with the ghostscript package)
9. plucker

On Ubuntu these may be installed by running

```
# Run this on the command line
$ sudo apt-get install txt2html ruby html2ps ghostscript plucker
```

I recommend installing the latest version of rubygems from it's source by following the instructions here : http://rubygems.org/read/chapter/3

Then the gems can be installed by running

```
# Run this on the command line
$ sudo gem install hpricot builder rake
```

PART II

Usage

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