

Instructions for using DWS-BookTemp*

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Note: Page numbers are meaningless in the eBook editions.

1.1 Conventions Used

- Application menu commands are styled like:
File | Templates | Save As
If the command brings up a window that has tabs, I *may* also include the name of the tab in the command..
- On Windows the Menu Bar is part of the window. On macOS it is at the top of the screen. Screenshots taken on macOS have the window moved up to the left-hand corner.
- On macOS **Preferences** are under the **LibreOffice** label. On Windows they are called **Options** and are under the **Tools** menu.
- LibreOffice comes with several toolbars and icon sets. I chose the “colibre” icon set because its contrast and that it shows up the best in screen captures. You are free to use any one of the dozen icon styles. The setting is in **Preferences/Options | View** under icon styles.
- LibreOffice Writer’s style names are shown inside of square brackets like [Body Text First Indent]
- Warnings are shown in bold red like: “**Warning:** Don’t eat Tide pods.”
- Tips are shown in bold blue like: “**Tip:** Backup your work offsite daily!”
- **Note:** In the black-and-white paperback version both the red and blue text looks gray. This is why I also use a monospaced font to make the text stand out.
- Headings that end with the § are included only used in the **DWS-BookTemp-Tech** template. Headings that end with the † should only be used in novels.

2 *Introduction*

This file contains the instructions for using **DWS-BookTempNovel** and **DWS-BookTempTech** templates. The first template is designed creating a novel. The second is for a light technical book. Look at the Table of Contents to decide what sections you need to read, and when you might need to read them. This file is not intended to be read from beginning to end, it is a set of resources to be used as needed.

I have created several keyboard-shortcuts, LibreOffice Writer Auto-Correct sequences and other things. I document them in a LibreOffice Calc spreadsheet **Calc/DWS-BookCalc.ods**. Calc worksheets are much better places to input and format tables than in LibreOffice Writer tables.

- ◆ KeyShort — My Keyboard Shortcuts and Auto-Correct sequences
- ◆ Typo Chars — Unicode hex codes for some common typographic characters.
- ◆ RegEx — Regular Expressions that I find useful in LibreOffice Writer.
- ◆ PB Cover Calc — A worksheet to calculate the sizes for paperback book covers.

Note: If you want to use the keyboard shortcuts, you will have to enter them. They are not part of the template.

3 *Software Installation on macOS & Windows*

Installation of programs listed here are typical of other programs being installed on macOS and Windows 10.

1. In your Documents directory create a folder called **MyEbooks**.¹ Create an alias for the MyEbooks folder and place it on your desktop, if you like Desktop icons.
2. Copy the **DWS-BookTemp-master.zip** files from <https://github.com/DavidWSnow/DWS-BookTemp> to MyEbooks and unzip it. Rename the directory to DWS-BookTemp.
3. You should also create several folders inside MyEbooks: ZZZ-JutohBook, ZZZ-LibreOfficeDocs², ZZZ-Fonts.
4. Install LibreOffice from <https://www.libreoffice.org/download/download/> This is a big download it includes several programs.
5. Start it up and go to **LibreOffice | Preferences** on macOS or **Tools | Options** on Windows and fill in or correct the preferences for your computer environment. **Name, address, paper size, language etc!**
 - (a) Optional: **Options/Preferences | View** set icon style to “**Colibre**”
 - (b) Optional: **Options/Preferences | Advanced** select the desired Java JDK.**Note:** LibreOffice Writer does not require Java. However, you *may* get a warning message at startup.
6. In the DWS-BookTemp folder double-click on DWS-BookTempNovel.odt. The novel template will open up. Do **File | Templates | Save as Template** in to “My Templates” with the name **DWS-BookTempNovel**. This will be the template that you will use to start any new novels. If you planing to write a more technical book then do the same with DWS-BookTempTech.odt and save it as a template **DWS-BookTempTech**.
7. Copy the latest *LibreOffice Writer Guide* in ODT format from: <https://documentation.libreoffice.org/en/english-documentation> to ZZZ-LibreOfficeDocs. This is the full documentation for LibreOffice Writer. It is a good source for examples. If there is an ODT version available, you can run it through Jutoh and see that the process works for a 450 page eBook. There *may* also only be a PDF version of this file.
8. Install LanguageTool from www.languagetool.org. This is the grammar checker for LibreOffice.

¹ There is nothing special about the **MyEbooks** name, you can call it what you want. However, in this documentation I'll refer to it as **MyEbooks**.

² I prepend ZZZ- to the directory names so that they will be located at the end of the directory listing when sorted A-Z.

9. Install Jutoh (version 3) from <http://www.jutoh.com/download.htm> This software costs \$45 and is well worth the money. You can try this software free for 30 days with minor limitations if you wish to try it out first. This software will format your LibreOffice Writer file into an eBook.
10. Copy *Master Digital Publishing with Jutoh 3* from: <http://www.jutoh.com/books.html> in both ODT format and as a Jutoh Project to MyEbooks/ZZZ-JutohBook. This is great documentation on using Jutoh. It is a great source of examples for both LibreOffice and Jutoh.
11. You will want eReader software such as Adobe's [*Digital Edition*](#), Amazon's [*Kindle Previewer*](#), Apple's *Book* app and/or [*Calibre*](#) installed on your system to view your eBooks. You can also email your eBook to your physical eReader or iPad and view it there. At some point you may want to add these viewers to Jutoh's **Preferences/Options** under "Helpers". This will allow you to launch directly from Jutoh for quick viewing of the ".mobi" and "epub" files.
12. You now have the software needed to write your book. See the ***New Book Project Setup*** section on how to start your first book with this process.

4 For Non-US Users

The DWS-BookTemplates are set up for US users—English language with 8.5”x11” paper in their printer and US keyboards. Others users *may* have to make some minor changes to the templates and then **Files | Templates | Save as Template** them.

4.1 Paper Size Other Than 8.5”x11”

After loading a template, in the Styles Pane select “Applied Styles” and “Page Styles”.

- In each of the 8 pages styles change the “Paper Format” to your normal paper size. For example, A4 or A5.
- If you are making a paperback book, you will ultimately want to change these again to the actual trim-size for your paperback book.

4.2 Non-English Left-to-Right Language

- In LibreOffice Writer’s Preferences/Options make “Language Settings” are set for your language, date and number format etc.
- Each operating system has its own way of dealing with non-US keyboards to allow you to enter accented or language unique characters. I *assume* that you already know how to enter these characters for your language and operating system.
- Make sure that you have the LibreOffice Writer dictionary loaded for your language(s). If you are having issues with spell-checking change the settings for names styles, such as [Body Text] and [Body Text First Indent], for your language. These may be pointing to US English rather than your default language.

4.3 Right-to-Left Language

- Good Luck! I have no idea what to do.

5 New Book Project Setup

These are the steps when setting of for any new book:

1. Decide on a short alphanumeric ID for your project—an abbreviation for the title. This ID should have no spaces in the name. In this example, my ID will be **NewBook**.³
2. In your **MyEbooks** folder create a new folder called **NewBook**. In it create a **Images** folder to keep any images you might use in your book.
3. In LibreOffice Writer do **File | Templates | Manage Templates** and select **DWS-BookTempNovel**. This will create a new file called *Untitled #*. Do **File | Save As** “NewBook.odt” in your “MyEbooks/NewBook”⁴ folder. You now have the start of your book. **Note:** If you are writing a technical book then use the **DWS-BookTempTech** template.
4. **File | Properties | Description** add “Your Title” here. This is used in the headers at the top of the page. Save the file via **File | Save** or the “Save” icon on the toolbar into your MyEbooks/NewBook folder. **Note:** LibreOffice Writer will try to put it in your Documents directory the first time.
5. **Edit | Find** through the book for the following strings and update them:
 - (a) “YourName”
6. Edit the *Title*, *Copyright*, *Dedication*, *Introduction*, *Book Description*, *About the Author* and *Legal & Credits* sections to reflect your book’s information.
7. In styles pane at the right **Styles | Manage Styles** select “Applied Styles” at the very bottom drop-down. This will limit the list of styles to those used in the template.
8. Scroll to *Your First Chapter Title* chapter. Edit the chapter title and start inputting the content for your book. If you are cutting and pasting text from another document be sure to read my section on *Cutting-and-Pasting* in the instructions document.
9. DO NOT delete the chapters whose name begin with “DWS” until you are close to post-processing you book. This will ensure that the styles that you want to use are in the “Applied Styles” list.
10. Save the file via **File | Save** or click on the **Save** icon on the toolbar.
11. **File | Export | Export as PDF** take the defaults and click **Export**. This will create a PDF file. Print or view this file and see what your book might look like. Pay attention to the style elements used. [**Heading 1**] for chapter headings, [**Chapter**

³ There is nothing special about the name **NewBook**, you can use any name that you want. However, in this documents I’ll refer to it as **NewBook**.

⁴ Be sure to look where LibreOffice Writer is saving this file for the first time. The default may be in you “Documents” folder.

Subtitle] for an optional subtitle, **[Body Text]** for the first paragraph after a heading, **[Body Text First Indent]** for normal paragraphs, Scene Break **[Heading 8]**, etc. These are the styles that you will be using.

12. The Table of Contents is set up for a paperback book, but with clickable links. In your final production steps we will address creating an eBook Table of Contents.

5.1 To Get Your Book Into Jutoh

1. Open Jutoh⁵ and:
 - (a) Click the **New** button on the toolbar. Enter the project details.
 - (b) Click **Next** in the pop-up and make the “Project Folder” be **MyEbooks/NewBook**
 - (c) Check the “**import**” checkbox and point to your “**file**”. If the name of your file is grayed out, click on options and select “odt”.
 - (d) Click **Next** two times to get to the “Single File Import” screen.
 - (e) On the “Single File Import” screen, Set “Split By Style” to “Heading 1*”. Then set “Discard empty paragraphs”
 - (f) Click **Next** and allow Jutoh to create a book cover for you. If you have a JPEG cover image you can select it here.
 - (g) Click **Finish**. Your book is now in Jutoh. When you have made additional changes to the LibreOffice Writer “.odt” file it can be reimported into Jutoh via **File | Import | Reimport Project**. Jutoh will remember all the selections you have made, so it is a simple matter of a few clicks.

5.2 To Get An EPUB Or Kindle EBook Out Of Jutoh

1. At the lower left of Jutoh, Select “Kindle” or “EPUB 3” from the drop-down and click **Compile**.
2. When the operation is complete, scroll through the “Errors” pane. There should only be “TIP” and “WARNING” lines. In your **MyEbooks/NewBook** directory you should have a **NewBook_Epub3.epub** or **NewBook_Kindle.mobi** file. If you have set up **Preferences/Options | Helpers** you should be able to click **Launch**. If not, clicking on the files will launch the default eReader.

If you have installed Amazon’s Kindle Previewer, or have an EPUB reader installed on your system clicking on these files should allow you to read them.

Note: You must have installed the Kindle Previewer to create a Kindle MOBI file.

⁵ The book *Creating Great Ebooks Using Jutoh* that you copied at part of software installation is the documentation for Jutoh.

6 Avoid These Styles & Features

This chapter is a list of LibreOffice Writer capabilities that you should avoid if you are doing an eBook. Many of these are because eBooks are very different from printed books and that these capabilities aren't supported in eReaders or the conversion process.

6.1 Tabs Or Multiple Spaces For Horizontal Alignment

eBooks are written in HTML which has no concept of tabs and the output will look very different. Multiple spaces are usually treated as a single space.

1 2 3 4 5 6 tabs at .5" spacing.

6.2 Multiple Enter/Returns For Vertical Spacing

If you really need to control the vertical spacing, set the "above paragraph" or "below paragraph" spacing in the paragraph style.

6.3 Direct Formatting

Direct Formatting is when you use the **Font** and **Type-Size** drop-downs, **B**, **I**, **U**, **Align Left**, **Align Center**, **Align-Right**, **Justify** and other buttons on the toolbar for formatting characters within a paragraph. You are better off using *named styles*. You should create or adjust named styles to have these attributes if you need them..

Watch this YouTube video (tinyurl.com/y9hmxcje) about the issues with direct formatting. In the video MS Word is used, but the issues are the same for any word processor.

6.4 Low-resolution Screenshots

If your book has screenshots, they should be taken on a high-res screen. The 4K screen on my 21.5" iMac has about four times the dots that the 24" 1080p HD external screen on my old MacBook Pro. You want the images in your book to be at least 300 dots per inch. In the eBook and paperback the low-res screens will look fuzzy.

6.5 LibreOffice Writer's Automatic Chapter Numbering

LibreOffice Writer has a great feature in **Tools | Chapter Numbering** that will automatically number heading and subheadings. It can do 1,2,3,4, A,B,C,D or one, two, three, four and much more. You can specify text that goes before and after the number. I use this feature in **DWS-BookTempTech** and in this document. This allow the author to use the Navigator pane to reorder headings and subheadings without having to

renumber them. This feature works great if every [Heading #] contains some text. If one doesn't then it is left out of the Table of Contents. For a novel where you want only "Chapter One" ... This bug is problematic to say the least.

Emoji, Wingdings Or Odd Characters

When you are writing with LibreOffice Writer you have all the fonts on your computer and all the gallery of clip art available to you. These can be placed into the PDF file for a printed book. eReaders only have a limited set of fonts and those fonts may even have a subset of characters. ♂ ☎ ① (6 characters to the left)

The following characters appear to be available on most eReaders.

Regular, **Bold**, *Italic*, ***Bold-Italic*** (weight/style)

Underline, ~~Strikethrough~~, SMALL CAPS, X¹, X₂

abcdefghijklmnopqrstuvwxy \$12,345,678.90

ABCDEFGHIJKLMNOPQRSTUVWXYZ ®©™

àáâãäåæ çć ċ ēēēē ĭĩĩ ñ òóôõöøœ š ùúûü ýþÿ ž

ÀÁÂÃÄÅÆ ÇĆ Ć ÈÉÊË ÌĨ Ñ ÒÓÔÕÖØ Œ Š ÙÚÛÜ ÝÞŽ

-,,:. '¿? "¡! " () [#] {@} «/» <*> &' " ` (punctuation)

_ - ¯ — — — ... (underscore, hyphen, figure, en & em dashes, H Bar, ellipses)

%\$€£¥¢ | ~\$¶ * (misc) fi fl ffi ffl (ligatures)

^+÷/×•√∫∑ ≈<> ≤ ≥ ± °∞∂∏∑Δ∫ ← ↑ → ↓ (math)

Horizontal Line

Bugs:

- Jutoh doesn't see these, because they are actually a null paragraph with a border.

If you have a need for a horizontal line consider several Unicode 2015 horizontal bar characters.

Alphabetical Index

To work in an eBook, the page numbers would have to be the actual links to the pages. Page numbers have no meaning in eBooks.

Bugs:

- LibreOffice Writer's 7.0.0.3 export as EPUB doesn't see these list of Figures, Table Index, or bibliography.
- Jutoh doesn't see indexes.

Fontwork

The text *may* make it into the eBook, but curve won't.

Fontwork

Bugs:

- LibreOffice Writer's 7.0.0.3 export as EPUB doesn't see these.

LibreOffice Writer Math Formulas

$$f(x) = \sum_{i=0}^{\infty} \frac{f^{(i)}(0)}{i!} x^i$$

Bugs:

- LibreOffice Writer's 7.0.0.3 export as EPUB doesn't see these.
- Jutoh doesn't see these.

If you need formulas use a tool like LibreOffice Math to create them, then take a screen capture and insert the image.

LibreOffice Writer Master Documents

LibreOffice Writer has a concept where a master document *links-in* sub-documents. It sounds great for projects with multiple writers or where several parts will be reused in other documents. It isn't used often! I tried it and found it very frustrating:

- I often had 6-8 LibreOffice Writer windows open, with the master document write protected. It was confusing.
- Cross-references didn't appear to work across sub-documents.
- I write on macOS with a very capable MacBook Pro. LibreOffice Writer would get stuck and would "Save" and crashed several times. It was enough for me to go back to a single document.

7 *Working with Templates*

Templates in LibreOffice Writer usually contain blocks of text and a style sheet. Any document can be a template. LibreOffice Writer comes with several templates. You can view them via **File | Templates | Manage Templates**. During the installation process you saved DWS-BookTempNovel.odt as a template via **File | Templates | Save as Template**. During the *New Project Setup* you created a new file from a template via **File | Templates | Manage Templates** and select **DWS-BookTempNovel**.

You may want to change some styles or text blocks in **DWS-BookTempNovel.odt** to better meet your needs. All you have to do:

1. Edit DWS-BookTempNovel.odt and save it as a file.
2. **Templates | Save as Template** as DWS-BookTempNovel in My Templates.

The next time you edit any file created from that template, you will be asked if you want to update the styles and the new styles will be applied to your document.

8 LibreOffice Customization

LibreOffice, Microsoft Office and other programs often allow you to customize how their screens look and work. Normally you don't need to apply customizations other than user information. However, when you are using LibreOffice to write long pieces of work, there are several useful customizations. Below is how I set LibreOffice Writer for my use. I could have, but didn't delete many of the icons/buttons that I never use.

8.1 Areas That Are Available To Customize Are:

- **Toolbars** — You can customize what toolbars are visible, where they are placed, what functions & icons they include.
- **Menus** — You can add and delete functions from the menus.
- **Keyboard Shortcuts** — You can change the default keyboard shortcuts as you require. You can also add new ones.
- **Events** — You can assign “macros” to many (about two dozen) events such as “save file”. This might allow you to create a macro to “update all” indexes prior to saving a document.
- **Autocorrect** — This allows for the correction of commonly misspelled words. But it is also useful for creating short key sequences that are *corrected* into much longer phrases. As an example “:dws:” could be set to enter “David W. Snow”. I use this to enter many typographic characters. In a Russian novel, I would use this as shortcuts for the long names.
- **Extensions** — A number of extensions for LibreOffice are available. These include dictionaries for many languages as well as more complex extensions. Since the english language tools are included in the basic LibreOffice package I haven't had to do much with extensions.

Some customizations are in **Options | Tools | Options** on Windows or macOS **LibreOffice | Preferences**. Others are in **Tools | Customize**. Some effect all of LibreOffice while others just effect Writer. Some effect all files while others can store their customizations for a single file.

Normally I don't do many customizations, I stick the defaults. However, I feel that the default toolbars had too many of the wrong functions and encourage bad practices. You should be using **named styles** rather than **director formatting**. Using font selection, Bold, Italic, colored text from the formatting toolbar is a mistake.

Because I am writing a book that will contain screenshots I have selected a white theme and the “colibre” icons. They look the best in screenshots.

While writing I usually have the Navigator Pane at the left pane and the Styles Page at the right showing “Applied Styles”. As for toolbars I have:

- **Standard** — at the top.
- **Formatting** — 2nd at the top.
- **Find** — At the bottom, for search for text etc.

9 Fonts

Normally DWS-BookTempNovel and DWS-BookTempTech templates are set up with the following fonts:

- Body Text as Google’s *Noto Serif* at 12 points. (SIL Open Font License)
- Headings, Title Page, Headers, Footers as Google’s *Noto Sans Condensed* in various sizes. (SIL Open Font License)
- Computer Code and Menu Items from software programs as Google’s *Noto Mono*. (SIL Open Font License) In this font all characters are the same width like a typewriter or an old computer monitor.
- Google’s *Handlee* (SIL Open Font License) handwriting font when I want to display a handwritten note. This font has only one style and only about 90 characters, it has all upper and lowercase characters. This font is not part of LibreOffice and must be loaded onto your computer if you are going to use it.

The various Google Noto (en.wikipedia.org/wiki/Noto_fonts) (No Tofu⁶) fonts are redistributed with LibreOffice and are installed on your system as parts of LibreOffice. They make a good choice because they have many glyphs. Noto Sans and Noto Serif each have 72 styles/weights, 2789 characters with 3243 glyphs. There are other Noto fonts for other scripts, such as Chinese.

Fonts are licensed. Some you get with your operating system—Windows, macOS or Linux. Some may come with your word processor—MS Word, LibreOffice etc. Others come with other applications—like photo editors. Some may have been downloaded from the internet. Each is licensed under their own *End User License Agreement (EULA)*. Some you can only use for “personal use”—others “commercial use”. Some you may redistribute embedded in a eBook—others you aren’t licensed to. If you look at the fonts on your computer it is impossible to tell where you got the font and what the terms of the license are. For this reason when writing books I only use fonts:

- That I have downloaded from the internet and that include the license. I keep a copy of the fonts that I use, along with the license, in a directory-per-font (ZZZ-Fonts)
- That have a “[SIL Open Font License](https://www SIL Open Font License)” which allows me to use the font for commercial purposes and also redistribute it.
- I also check that the font has a very complete set of Latin-1 characters.

9.1 Font Characters

Below is the minimum set of Latin-1 characters that I want to see in a font.

⁶ Tofu is the name for the little rectangular white boxes that computers use when they don’t have a glyph for the character entered. Google’s Noto Latin-1 fonts over 3,000 glyphs.

Regular, **Bold**, *Italic*, ***Bold-Italic*** (weight/style)
Underline, ~~Strikethrough~~, SMALL CAPS, X¹, X₂
 abcdefghijklmnopqrstuvwxyz \$12,345,678.90
 ABCDEFGHIJKLMNOPQRSTUVWXYZ % ©®™
 áâãäåæ ççċ đ éêë ě ĭĩ ñ òóô õ ö ø š ůú û ý þ ž
 ÀÁÂ Ã Ä Å Æ Ç Ć Ď È É Ê Ë Ì Í Î Ñ Ò Ó Ô Õ Ö Ø Œ Š Ů Ú Û Ü Ý Þ ß Ž
 (-,:;.) ‘¿?’ “!” ” [#] {@} «/» ‹*› ‘&’ “~” (punctuation)
 _ - ‾ — — — ... (underscore, hyphen, figure, en & em dashes, H bar, ellipses)
 | | | - | | (space, NB space, NB hyphen, soft hyphen)
 ¢ \$ £ ¥ º | ^ § ¨ ¶ ¶ * * (misc)
 ÷ × • √ ∫ ∑ ≈ ≈ < > ≤ ≥ ± ° ∞ ∂ ∏ ∑ ∏ Δ ∫ ∫ Θ ← ↑ → ↓ (math optional)

9.2 Fonts In Paperbacks

When writing with LibreOffice Writer and creating a PDF file for a paperback, it is pretty much “what you see is what you’ll get.” The fonts are encoded into the PDF and the book distributor can print them on paper. Some distributors may ask for a copy of unusual fonts.

9.3 Fonts In EBooks

Fonts in eBooks are a complex subject. Normally the reader gets to select the font for the entire book from a very limited selection of fonts built into the eReader. Normally any font selections that the author made are ignored. However, if you look at some eBooks you will notice, that chapter titles are in Sans Serif and the text is in a Serif font. So it is possible for the author to have some control.

9.4 Common Default Fonts

Kindle’s built-in fonts—Baskerville, Bookerly, Caecilla, Palatino are Serif fonts. Amazon Ember, Futura, Helvetica, Lucida, and Open Dyslexic are Sans-Serif. **Apple Book’s** Built-in Fonts—Athelas, Charter, Georgia, Iowan, Palatino are Serif fonts. San Francisco and Seravek are Sans-Serif fonts. **Microsoft Word’s** current default is Calibri. **LibreOffice Writer’s** default is Liberation Serif and Liberation Sans.

As you can see there are no common fonts. HTML, which is what eBooks are written in, also include generic fonts names: Serif, Sans-Serif, Cursive and Monospace. eReaders **should** make the best choice from their built-in fonts if you specify the generic font name. **Note:** Most eReaders don’t have any Cursive fonts built-in. While most don’t list a Monospaced font for the reader to choose, they usually actually include one.

9.5 Jutoh Font Choices

I see three basic fonts choices with Jutoh:

1. Include no font information, and the the reader choose one font for the entire eBook. **This is Jutoh's default and what Amazon KDP prefers.**
2. Force a small set of styles such as headings, headers and footer to be Sans-Serif using generic font names.
3. Embed several fonts in your eBook. This increases the book's size and complexity and reduces your profit.

9.5.1 Jutoh Generic Font Settings

3. In your Jutoh project properties (the Edit icon) for Epub 3 and Kindle configurations set:

(a) Set "Styles with generic font name" = Appendix|Bibliography Heading | Book*|Caption|Contents Heading|Copyright|Chapter Subtitle|Contents Heading |Drawing|Endnotes Heading|Figure*|Footer*|Header*|Heading *|Illustration|Part|Subtitle|Table|Table Caption|Table Heading|Title|Code|Handwriting|Menu-Shortcut|Tip|Warning

4. In importing your LibreOffice Writer's ODT file, click in the "Advanced Options" and make sure that "Substitute Fonts" is set to "If font not found"

Tip: Each of these pop-ups has a search bar at the bottom. Search for "font".

Warning: The above setup works in the Kindle Previewer, but still shows up 100% in the default font in the Kindle app on my iPad.

9.5.2 Embedding Fonts

Be prepared for a lot of work and testing to make this to work! Font names have to match exactly everywhere. See [JutohBook] page 164 for more info. See Jutoh Knowledge Base KB0084 for more details.

For example, the font file is Pacifico-Regular.ttf. In LibreOffice Writer it is font=Pacifico and typeface=Regular. Names are even case-sensitive and spaces matter. You may need a font map to tell Jutoh that two names are the same.

I recommend embedding fonts only as a last resort.

10 Post Processing Steps

New Book Project Setup covered setting up a project, getting your book content into Jutoh, and getting an eBook (Kindle or EPUB) out. It also told you how to re-import your content into Jutoh. However, before you actually submit your final work to Amazon or another distributor there are many final tweaks that you might want to consider. That is what this section is all about.

10.1 For All Books

1. Delete the DWS * chapters from the book if you haven't already done this.
2. Decide if you want the *Book Description* chapter in your book. Leave it in, edit it, or save it somewhere else. You will need the content when submitting your book to a distributor.
3. Read through the comments and make sure that you paid attention to them. Then delete the comments.
4. If you used [Heading 9] and [Body Note] for outlining, be sure to look for the yellow items in the Navigator Pane and delete them, if you haven't already done this.
5. Do **Tools | Update | Update All** to update the Table of Contents et al.

10.2 For Printed Books

1. The most common trim size for novels on my book shelf is either 4.25 x 7.5 or 4.25 x 6.75 inches. Neither of these sizes is listed in KDP's set of choices. You need to measure the size of similar books to yours to decide the correct trim size. When you have the desired trim size selected:
 - (a) In LibreOffice Writer's Styles pane, which "Applied Styles" and "Page Styles" selected. Select each page style one-at-time and modify Paper Format Width and Height to the desired sizes.
 - (b) In LibreOffice Writer **File | Export | Export as PDF** and make sure that the following boxes are checked: Range = All, JPEG Compression = 90%, Export Automatically Inserted Blank Pages.
 - (c) Examine the result visually and make sure that it look correct. Print a few pages and see that the text area is the desired size.
 - (d) Get the exact page count at the current trim size and adjust the width of the full cover with the correct spine width. Save the resulting PDF file for submission.

10.3 For EBooks

1. Ebook normally build their own Table of Contents from the Heading 1's. If this is all you need the delete the TOC in your LibreOffice ODT file. If you want a multilevel TOC with links and no page numbers, replace the TOC page with **ExtraBits/TableStyles/TOC4-eBook.odt**. This looks just like the original but without page numbers. Remember to **Tools | Update | Tables and Indexes**. If you want to go back to the print version use **TOC4-print.odt**

11 *Making Book Covers From Scratch*

This section describes the steps for creating covers from scratch. I used Affinity Photo, but similar steps would work in any capable image editor that supported layers.

You will need two types of covers:

1. A JPEG image for the eBook cover.
2. A PDF file containing the front, back and spine for the paperback.

These instructions are for Amazon KDP, but the requirements for other distributors are similar and often you can use the same art.

Note: **Calc/DWS-BookCalcs.ods** is a spreadsheet that includes a workbook called “PB Cover Calc” which will calculate the cover dimensions for both eBooks and paperback covers. In this example we are doing a 6”x9” 250 page book. The numbers will be different for your book...adjust accordingly.

1. Go to kdp.amazon.com/en_US/help/topic/G201953020 and see their resources and requirements.
2. Get a cover template from kdp.amazon.com/en_US/cover-templates. For the final update you must have the page number with 10 pages. Unzip it, save the PDF version. Mine was called 6x9BW250.pdf
3. Find a photo that you are licensed you use commercially, or that you shot. It should be a similar aspect ratio as the book (6x9) and high resolution. In your image editor resize and/or crop the image down (not up) to around 1983px by 2775. Save the image as “**Background.jpg**”.
4. Open the PDF from step 2 with your image editor as a layer. In my editor the PDF becomes a group. Lock the group because you don’t want to edit the template.
5. Open **Background.jpg** as a new layer named FC Background. Place it over the front cover section of the template. Resize if required.
6. Add text layers for Title, Subtitle, Edition and Author with text as required and place them as desired. Group FC Background, Title, Subtitle, Edition and Author as “Front Cover”.
7. Do the same for the Back Cover leaving a white rectangle for the Barcode and a large text box for the Book Description. Group them as “Back Cover”.

8. Make a white or colored rectangle much wider than the spine. Center vertically the Book Title and Author Name down the spine. Group these two as Spine and place the layer under the front and back covers with the text in the middle of the spine. If your book is thin you can't have text on the spine.
9. Make the template invisible. Then export the paperback cover as PBCover.
10. Select just the front cover and export this slice as a JPG file of high (50%) quality as Front Cover.jpg This is the eBook Cover. You may need to reduce the JPG Quality to get the file size down to the KDP guidelines. Save as **eBookCover.jpg**

When you discover that your final page count is different (>10 pages) from the one you used for create your cover art do the following:

1. Get a new template from Amazon.
2. Replace the original layer with the new template.
3. Drag the front cover group and the back cover group to the correct positions on the template.
4. Make the template invisible. Then re-export **PB Cover.pdf**.

12 Cutting-and-Pasting

Cutting-and-Pasting text between two LibreOffice documents created from different style templates can be exciting. It only gets more exciting when the source is Microsoft Word or a web browser. You are copying style information (but not page styles) as well as the text. You need to think what you really want the resulting paste to have:

1. Do you want to retain the source document's style and *if necessary* add a new named style to your destination document?
2. Do you want the result styled like the destination document? Same indents, font, type size, etc?
3. What do you want to happen to any direct formatting or character styles within the copied text? Footnotes, Comments, Bibliography References, etc. need to be considered as well!

LibreOffice only gives you a couple of paste options: **Paste**, **Paste Special**, and **Paste Unformatted Text**.

- Just plain **Paste** will retain the source's styles including bold and italics. If the source's "named style" exists in the destination document the text will be styled using the destination document's style. If not then the source's named style is added to the destination's list of styles. Direct Formatting like bold and Italics are retained.
- **Paste Special** uses the destination's named style where the text is to be inserted. Bold and Italics are carried across.
- **Paste Unformatted Text** will only copy the text in the destination's style. You may need to manually add any bold italics etc.

Both **Paste** and **Paste Special** will try copy footnotes, bibliography. References may be copied but won't work unless you the source and destination are in the same document.

The best idea is to guess which paste you want, try it and if necessary undo and try another. For small operations this is easy, but when moving many pages it is difficult to see all potential issues.

13 *Best SOHO Computer Practices*

You are about to invest a lot of time and effort into writing a book using your computer. You need to think about how you will protect this investment.

These are my suggestions of best practices for managing a small-office or home office computer system. Since I do most of my work on a Mac these practices have a bit of a macOS focus, but still apply for Windows 10.

13.1 *Have A Backup Plan – Follow The Plan*

If your computer has data that is valuable to you then you **MUST** back that data up! Data might be *Your Great Novel*, Music (MP3's, AACs), Photos (JPG's), Tax and Business Records, correspondence, email, your calendar or many other things. Computer hardware can break, computer software can have bugs, systems can have hardware failures, virus, fire or other disasters can damage your system. If you don't have a backup, you will have lost that valuable data. On my wife and my Macs, we each have an external 4 TB USB3.0 drive (\$99 @ Costco), dedicated for backups. Backing up your computer doesn't have to be expensive – **not backing it up can be VERY costly!**

The Mac operating system comes with a very good backup program called *Time Machine*. It backs up any files that have changed every 15 minutes. It keeps: hourly backups for 24 hours, daily backups for a month, weekly backups until it runs out of space and then starts deleting the oldest backups. On my system, I am only using about 1 TB of the 2 TB of backup space that I have allocated after 18 months! **Backup programs need to save more than just a copy of your disk, once-in-a-while. Human error in deleting or corrupting files is far more common than a disk failure!** Although with modern systems using SSD drives disk failures are much more common today.

I also recommend that if you have months of work in a single file, such as a book, that each day that you work on it you should make a copy on an off-site cloud storage like DropBox, Google Drive or One Drive. This way if you have a disaster (fire, theft etc.) you will have access to a recent copy of your work.

Genie Timeline (www.zoolz.com/genie9/) appears to be the closest Windows backup solution to macOS' Time Machine. It cost about \$40. **I have not used it.**

13.2 Keep Your Operating System And Applications Current

While there are tales of major problems with both Windows 10 and macOS updates, most of the time what you are getting is bugfixes, security enhancements and new functionality. This also applies to that major applications that you use!

13.3 Have A Sane And Secure Password Strategy

I recommend two factor authentication and a password manager. I also recommend that you keep a paper copy of your master passphrase and passwords in a fire safe, or with a true friend who lives in another house. If you forget or misplace your master passphrase, you often can't recover any of your passwords!

13.4 Keep Your Computer Clean, Cool And Physically Secure

Heat is the enemy of electronics. It effects both reliability and speed negatively. "Physically Secure" is because that if someone has uncontrolled physical access to your computer that can either accidentally or on purpose do great damage to your data or even the device. If you allow guests or children to access the same computer have a non-privileged accounts for them. Hopefully this way the only data that they can delete is their own.

13.5 Have A "Guest" Wi-Fi Password.

Today every visitor to your home wants to connect their phone to your Wi-Fi. You want a complex Wi-Fi password to connect to your router as well as a complex "admin" password. Modern routers also have the ability for a "Guest" account. This account can't access any of your local devices, but can access the internet. I usually have a simple and easy to enter guest password for these occasions.

14 Internet Resources

Warnings:

1. This section is a work in progress.
2. *The links in the section may have changed.*

14.1 LibreOffice

- LibreOffice Website (<https://www.libreoffice.org/>)
- English Documentation (<https://documentation.libreoffice.org/en/english-documentation/>)
- Submit a Bug (<https://bugs.documentfoundation.org/>)

14.2 Jutoh

- Jutoh Website (<http://www.jutoh.com/index.html>)
- Master Publishing with Jutoh 3 (<http://www.jutoh.com/books.html>)
- Knowledge Base (http://www.jutoh.com/kb_html.html)
- Support Page (<http://www.jutoh.com/support.html>)
- Submit a Bug (jutoh@anthemion.co.uk)

14.3 Kindle

- Amazon [Kindle Direct Publishing Help](#)
- Amazon [Kindle Publishing Guide](#)
- Amazon [KDP Author Central](#)
- Amazon [KDP University](#)
- **Note:** The side-bar of the above links point to many other useful pages.

14.4 Misc.

- [Google Fonts](https://fonts.google.com/) (<https://fonts.google.com/>)
- [Affinity Photo](https://affinity.serif.com/en-us/photo/) (<https://affinity.serif.com/en-us/photo/>) \$50
- [Gimp Image Editor](https://www.gimp.org/) (<https://www.gimp.org/>)

15 *How I Make the Novel Template*

DWS-BookTempTech.odt is my master template that I work in. At the last minute I use it to create the latest DWS-BookTempNovel.odt.

3. **File | Save As...** a copy of DWS-BookTempTech.odt as DWS-BookTempNovel.odt.

Note: From now on I am working in the Novel template.

4. **Files | Properties | Description** change Title = “DWS Book Template -- Novel”
5. **Tools | Chapter Numbering** for levels 1-4 set:
 - (a) Number = None
 - (b) Start at 0
 - (c) Show sub-levels at 1
 - (d) Text “Before” and “After” should be empty—No whitespace either.
6. In Paragraph Styles, select [Body Text] and modify:
 - (a) First Line Indent = 0.0”
 - (b) Spacing Below = 0.0”
 - (c) Alignment = Justified
7. In Paragraph Styles, select [Body Text First Indent] and modify:
 - (a) First Line Indent = 0.26”
 - (b) Spacing Below = 0.0”
 - (c) Alignment = Justified
8. Go to the Front Matter chapter “DWS Front Matter Layout” and
 - (a) Insure that there is no header on the chapter title page.
 - (b) Change the 2nd page, a verso page, heading to be **Insert | Field | First Author**. Bold and Left-Align this, if necessary.
 - (c) Change the 3rd page, a recto page, heading to be **Insert | Field | Title**. Bold this and right align this, if necessary.
 - (d) Look at the footers and insure that you are happy with them.
9. Repeat the steps above for “DWS Chapter Layout” and “DWS Back Matter Layout”.
10. Put LibreOffice Writer into two-page mirrored view (right-hand bottom of the screen) and scroll thru the template checking the headers for correctness.
11. In the Navigator Pane, Look for headings ending with the “\$” symbol. Select each one, right-click and “Delete” them.