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Chapter 1

Installation

I've fetched Emacs from the [GitHub mirror repository](#). The source code resides in ~/developer/software/emacs. Installation instructions reside in the source directory in the file named "INSTALL". I've chosen to use a build directory named "build". From the build directory run configure with:

```
$ ../../configure --with-x-toolkit=gtk3 --with-mailutils \
                  --with-imagemagick --with-xwidgets
```

I'm currently using version 26.1, by running:

```
$ git checkout emacs-26.1
```

There is some issue with highlighting in version 27.050 (potentially font-lock?) that makes it very annoying to write code. In general I should only use stable releases, which are specified on the [Emacs website](#).

Chapter 2

Packages

2.1 Gnus

Gnus was a huge pain to setup. I finally got it working with the information at this [link](#).

Chapter 3

Structure

Chapter 4

To-Do

4.1 Ivy/Swiper to Helm

Consider changing ivy and swiper to Helm. Helm is a larger project and may therefore be better maintained with more features. The downside to this might be slower autocompletion times in which case it may not be worth changing. If you do make the change, make sure to adjust `custom-set-faces` for Helm instead of ivy.

4.2 Powerline Custom Mode-Line Configuration for Specific Modes

I'm experiencing an issue with powerline. I'd like to be able to display 2 different mode lines depending on whether I'm in pdf-view-mode or not. When displaying a PDF I'd like to display the current page and the total number of pages instead of the current row/column position of the cursor. In all other modes I'd like to display the row/column position of the cursor. The issue seems to be that powerline does not allow setting different configurations for different major modes. For instance, if I set a hook for pdf-view-mode, it will then stay in force for other buffers. I'm not eager to go back to the default mode line because it doesn't show the file size and doesn't look as good as the powerline mode line. It's probably a good idea to verify with the powerline developers that different modes are not possible. Another possible solution might be spaceline. Or, maybe I can get the buffer size in the default mode line display (look at powerline function).

4.3 Disable cursor in pdf-view-mode

I'd like to disable the cursor when viewing a PDF. It's distracting and provides no value. I've tried these two additions to `init.el` to no avail:

```
1 (add-hook 'pdf-view-mode-hook
2         (lambda ()
3           (make-variable-buffer-local 'cursor-type)
4           (setq cursor-type nil)))
5 (add-hook 'post-command-hook
```

```
6      (lambda ()  
7        (setq cursor-type (if pdf-view-mode t 'nil))))
```

These are the links I've found that address related issues:

[How to change the cursor type and color?](#)

[Cursor parameters](#)

[How can I make the cursor change to block in overwrite mode?](#)

[Changing Cursor Dynamically](#)

[Cursor Display](#)