Ilse Langnar's Notebook

White Paper

Introduction

What does it seems like every software rots away eventually?

A software that lasts a century ... is this possible?

Simple lightweight logic for the API and then you extend the rest.

Every software seems to rot away.

This is a tool attempting to prevent this.

Imagine the simplicity of Roam Research paired with the extensibility of emacs.

1 - Everything is HTML

The web platform seems to run on stimulants 24/7

Every other week there will be another javascrtip framework. They're also not very durable, so the abstraction of choice should never be a framework ... but what they all compile into: HTML

HTML is a sea of stability in a uncertain future. There's very little worry about the death of HTML. It's a pretty solid foundation that we can use as abstraction and take advantage of the giant ecosystem around it. As long as we work directly with .html and not a framework, we'll have stability.

A **.html** file will server as:

UIs , Command Definition, Database , Manifest , Functions , Command Definitions , Logic , Themes

Everything here will end up as .html file.

Ilse considers HTML to be the best abstraction for everything.

They're plain text, small, can contain UI, logic, data, they can produce their own source code, they are "quinefiable" etc.

Similar to **Spacemacs** there the key combination of *SPC d t s*(space d t s) will be a distinct action, ilse also follows this philosophy.

One example in order to have a "simple" drawing board you could type something like *C-SPC t d s*(ctrl+space t s d).

The logic here would be: key + **t**ools **d**raing **s**imple

Examples

Give an image a glitch effect(By clicking): **C-SPC t i e g**(ctrl+space tools images effect glitch)

Automatically upload file to server: **C-SPC t s u**(ctrl+Space tools server upload)

Search Stackoverflow/Wikipedia/??: **C-SPC s w w**(ctrl+space search wikpedia wikipedia)

Something similar to the **Infinite Branching** keys of Spacemacs/Emacs

ESC	→	+prefix		
f10	→	toggle-frame-maximized	C-M-d	→ down-list
C-M-SPC	→	mark-sexp	C-M-e	→ end-of-defun
C-M-%	→	query-replace-regexp	C-M-f	→ forward-sexp
C-M--	→	negative-argument	C-M-h	→ mark-defun
C-M-.	→	xref-find-apropos	C-M-i	→ complete-symbo
C-M-/	→	dabbrev-completion	C-M-j	→ indent-new-com
0 .. C-M-9	→	digit-argument	C-M-k	→ kill-sexp
C-M-@	→	mark-sexp	C-M-l	→ reposition-win
C-M-\	→	indent-region	C-M-n	→ forward-list
C-M-a	→	beginning-of-defun	C-M-o	→ split-line
C-M-b	→	backward-sexp	C-M-p	→ backward-list
C-M-c	→	exit-recursive-edit	C-M-r	→ isearch-backwa
			C-M-s	→ isearch-forwar

ESC-   [C-h paging/help]

3 - Sandbox by default

Every app/plugin/theme will automatically have the lowest possible permissions in order to avoid security problems.

In order to have access to the Filesystem, Resources, Commands and more, you'll have to ask for the user to allow it.

Modular Technology

In the book **The Nature of Technology**. The core idea is that technology is "combinatorial", so it can be re-used by combining the pieces in different ways, giving birth to a emergent complexity.

Given that our level of abstraction is the .html file, we aim to build "simple block" that a "combinatorial" power, as said by *W. Brian Arthur* in **The Nature of Technology**

So our building block will be subject to the principles that makes up a complex system: **Mutation**(Changing or replacing modules), **Heredity**(Composing new modules from old ones) and **Selection**(Utility)

Examples:

Themes are also theme-makers. So if you download a theme(default) it's also has a theme-maker build inside of it. So it can generate infinite themes from there.

You can combine a component with a menu in another one component that has the UI.

Plugin Development Guide

Church of Ilse

I'm trying to create beauty here.
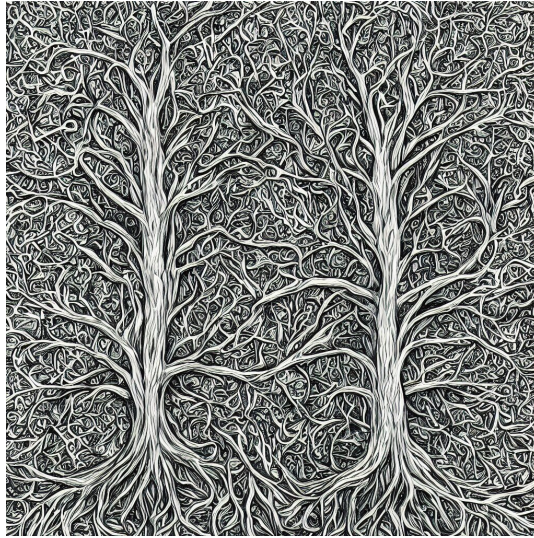
Something that's elegant and harmonic

I'm essentially trying to replicate that feeling of awee when you use something so good that it inspires you.

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Something that's elegant and harmonic

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Theme Development Guide

Aesthetic

The aesthetics is a combination of:

Line Art:

Manga-Like:

Monochrome: