Use Org for Your Dot Emacs + Tangling Strategies

Create an `init.el` and an `init.org`

Add this to `init.el`

```
;; -*- lexical-binding: t; -*-
(load-file "~/.emacs.d/name-of-your-file.el")
```

Or this:

```
;; -*- lexical-binding: t; -*-
(require 'org)
(let ((org-file "~/.emacs.d/init.org")
      (el-file "~/.emacs.d/Raoul.el"))
  (when (or (not (file-exists-p el-file))
            (file-newer-than-file-p org-file el-file))
    (org-babel-tangle-file org-file)))

(load-file "~/.emacs.d/Raoul.el")
```

- With the above code tangling is automatic.
- This obviates the need to do a manually invoke `org-babel-tangle`

Add this information to `init.org`

```
#+TITLE: My Name Emacs Configuration
#+AUTHOR: My Name
#+EMAIL: myname@internet.com
#+OPTIONS: toc:2 num:nil
#+PROPERTY: header-args:emacs-lisp :tangle Raoul.el
#+STARTUP: overview
```

Use `C-c C-v t` to manually tangle current file

Use :tangle no

- Note: This option goes in the code block header
- It can be used with experimental code, examples, temporary configs that you want to test but not deploy
- Can still be executed with `C-c C-c` in Org mode

Use descriptive filenames (e.g., `:tangle ~/.emacs.d/hydras.el`)

This can be used in conjunction with a file level property like

```
#+PROPERTY: header-args:emacs-lisp :tangle Raoul.el
```

Use `:mkdirp yes` to auto-create directories when tangling

- Useful for organizing tangled files

```
#+begin_src emacs-lisp :tangle ~/.emacs.d/modules/ui.el :mkdirp yes
  (setq inhibit-startup-screen t)
```

Use `:noweb yes` to reference other code blocks with

```
* Helper Functions
#+name: my-helpers
#+begin_src emacs-lisp :tangle no
(defun my-custom-function ()
  "Does something useful"
  (message "Hello world"))
#+end_src

* Main Configuration
#+begin_src emacs-lisp :tangle ~/.emacs.d/init.el :noweb yes
;; Load helpers first
<<my-helpers>>
#+end_src
```

Note: `:noweb yes` references the `#+name:` property, not the Org heading.

Add `:comments org` to preserve Org headings as comments in tangled files

Or add it globally:

```
#+PROPERTY: header-args:emacs-lisp :tangle Raoul.el :comments org
```

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