SCAM Manual

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Playing with the help example

This book is available in the repository as a sqlite database.

To try it :

```
docker run -i -t -e db=aide --mount type=bind,src=.,dst=/scam -p5000:5000  scam
firefox http://127.0.0.1:5000
```

Synopsis

This is a front end to a pandoc toolchain based on mind mapping for structuring the toughts with a real time rendering of the markdown.

Markdown that includes pandoc-include and my own one to integrate graphviz like this :
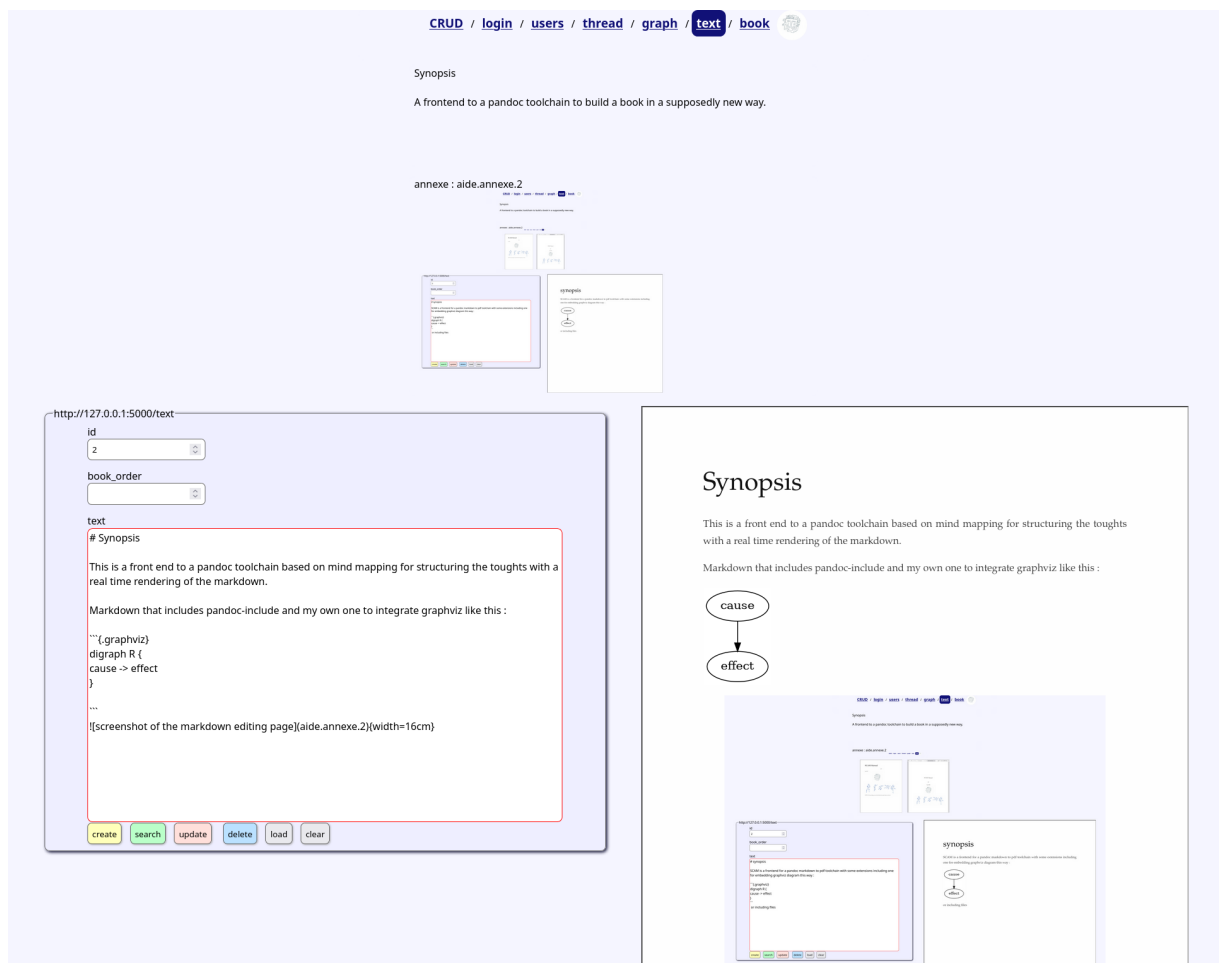
The home page of SCAM is on github

FIGURE 1 – screenshot of the markdown editing page

Installation

I am too lazy to write an install script, make a debian package, or a full pip requirements solution because I need binary installs.

As a result I resorted to the solution of the lazy man which source tells you all you need : making it a docker file.

```
FROM debian
ENV LANG C.UTF-8
RUN mkdir -p /usr/share/man/man1 && mkdir -p /usr/share/man/man7
RUN apt-get update && apt-get -y dist-upgrade \
    && rm -rf /var/lib/apt/lists/*
RUN apt-get update && apt-get -y --no-install-recommends install \
    python3 python3-pip python3-venv python3-setuptools python3-sqlalchemy texli
    texlive-fonts-recommended texlive-lang-french lmodern

RUN useradd scam -d /app --uid 1000 -m -s /bin/bash
COPY --chown=scam . /app
WORKDIR /scam
RUN chown -R scam:scam .
RUN mkdir /scam/assets /venv
RUN chown -R scam:scam /venv /scam/assets

COPY  . .

RUN virtualenv --system-site-packages /venv
RUN . /venv/bin/activate
COPY requirements.full.txt .
ENV PYTHONPATH=/venv/bin
RUN /venv/bin/python -m pip install --no-cache-dir --disable-pip-version-check -
EXPOSE 5000
CMD . /venv/bin/activate && cd /scam && DB=${db:-scam} /venv/bin/python /app/sca
```

with the following requirements :

```
archery
pandoc-include
dateutils
multipart
filelock
Mako
pandocfilters
panflute
passlib
python-dateutil
SQLAlchemy>=2
SQLAlchemy-Utils
time-uuid
```

to use it I recommend the side car technique wich can be used this way so
that you can access the assets dir which contain the book :

```
docker build -t scam .
docker run -i -t -e db=bookname \
    --mount type=bind,src=.,dst=/scam \
    -p5000:5000  scam
firefox http://127.0.0.1:5000
```

Walkthrough : writing the aide

Creating a login

The landing page is a Create Retrieve Update Delete skeleton generated from the data model (which is the HTML of the page by design).

It is recommended to create a user first because all other interesting page are accessible only when connected.

FIGURE 2 – CRUD landing page : time to create your user
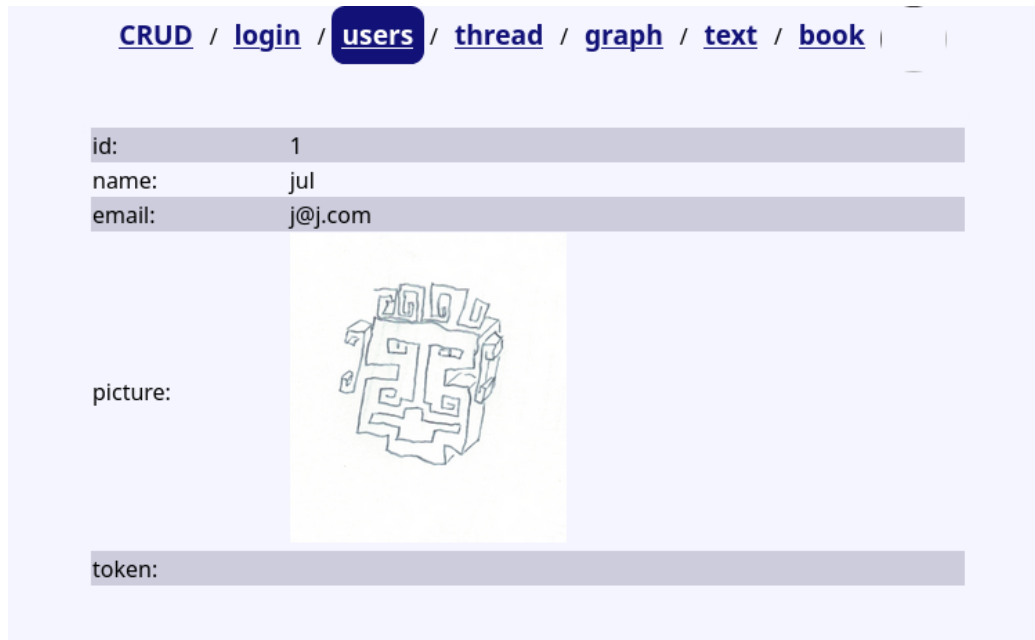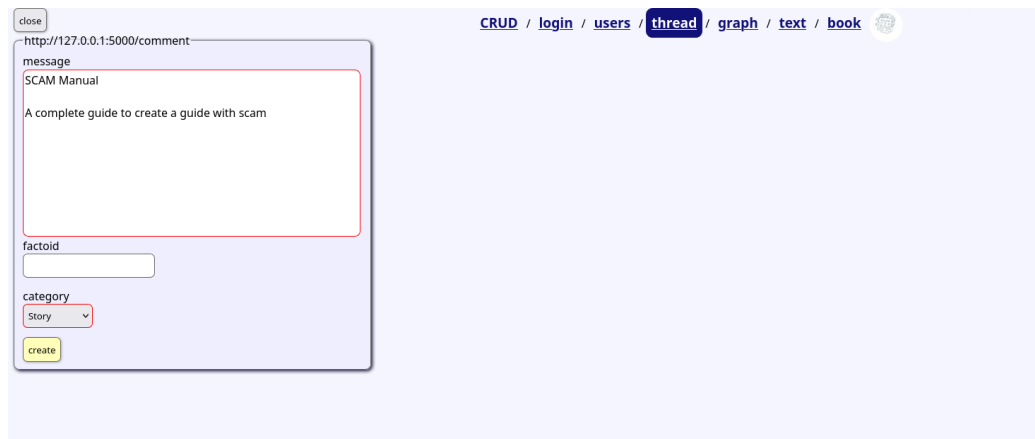
On successful login you should see this :

FIGURE 3 – succesfull login

your first postit entry

Time to create your first « idea » ; a small entry of less than 500 characters,
like a microblogging entry to know what topic you are gonna talk of

FIGURE 4 – begin with the **thread** interface

FIGURE 5 – when you correctly add your first entry you have the following output

Attaching a content to an entry.

I chose the policy that one micro item is related to one and only one attachment of the embedable kind you want.

These items will be available in the markdown editor

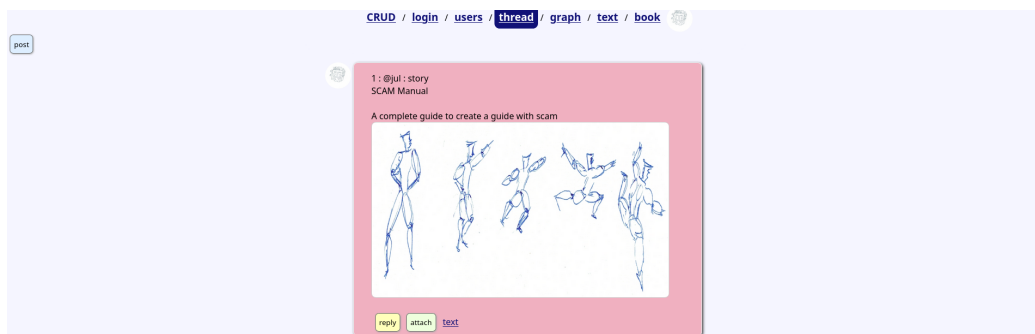FIGURE 6 – by clicking on the « attach » button you can attach a content to the post it entry

Developping your first comment and setting your book title

First comment is specific in the sense it is also used for the title. With pandoc you can add metada used for LaTeX.

The *markdown* extension useds here is the pandoc one

Here is the one that I put in the capture

```
% TITLE
% AUTHOR
% DATE \
 \
```

```
  ![](aide.user.1){width=5cm}
  \
  \ ![](aide.annexe.1){width=15cm}

---
header-includes:
 - \usepackage[french]{babel}
 - \usepackage{hyperref}
 - \definecolor{myblue}{rgb}{0.28, 0.24, 0.48}
 - \hypersetup{colorlinks=true, allcolors=myblue}
 - \let\tmp\oddsidemargin
 - \let\oddsidemargin\evensidemargin
 - \let\evensidemargin\tmp
  - \reversemarginpar
 ---
```

Your real time markdown input is defintily confused, it is time to add more postists dans develop them.

As you can see text input always have a reminder of the available for inclusion attachment and make it easy to insert it as a picture.
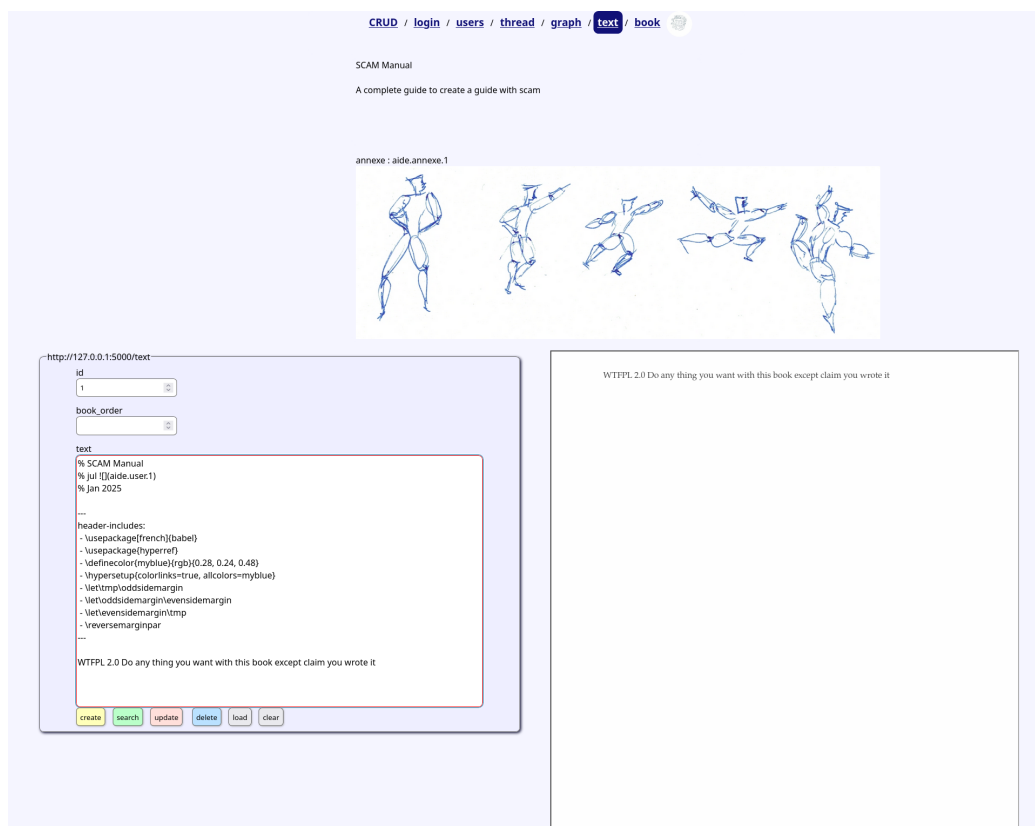
SCAM Manual

A complete guide to create a guide with scam

annexe : aide.annexe.1

http://127.0.0.1:5000/text

id

1

book_order

text

```
% SCAM Manual
% jul ![](aide.user.1)
% Jan 2025

---
header-includes:
 - \usepackage[french]{babel}
 - \usepackage{hyperref}
 - \definecolor{myblue}{rgb}{0.28, 0.24, 0.48}
 - \hypersetup{colorlinks=true, allcolors=myblue}
 - \let\tmp\oddsidemargin
 - \let\oddsidemargin\evensidemargin
 - \let\evensidemargin\tmp
 - \reversemarginpar
---

WTFPL 2.0 Do any thing you want with this book except claim you wrote it
```

create search update delete load clear

WTFPL 2.0 Do any thing you want with this book except claim you wrote it

FIGURE 7 – screenshot of the development UI

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Checking on your book

it's now time to visit the book rendering URL. You should have a side by side view of the generated standalone HTML and the generated PDF.

Figure 8 – book rendering

Rinse and repeat

Ather a few more entries that are boring because very repitive if you consult the graph URL you should have now more entries.
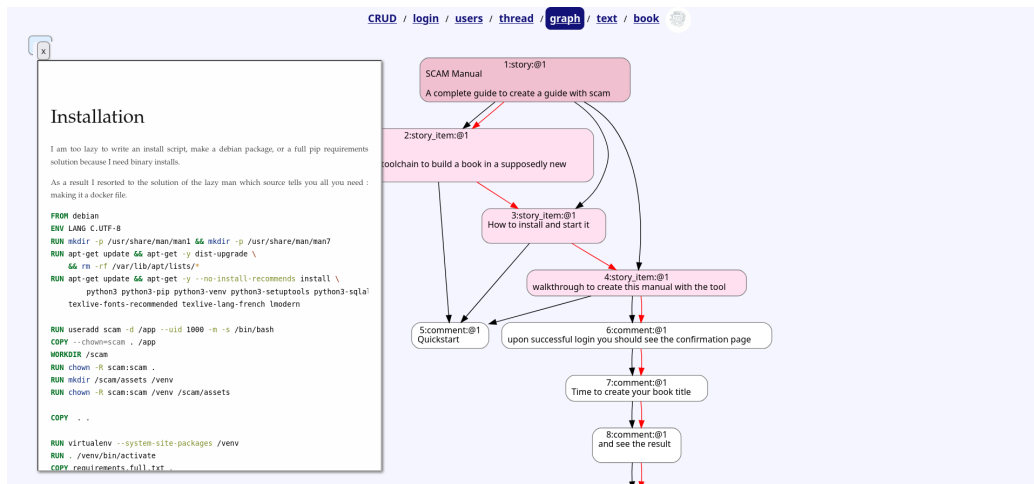

FIGURE 9 – Your graph should now expand itself as the book

The « book order » is the red lines, they follow the ascending id order but can be overriden with the book_order rank available in the **text** view.

Liste des liens

http ://127.0.0.1 :5000/ The landing page

https ://pandoc.org/MANUAL.html#pandocs-markdown
markdown extension useds here is the pandoc one

http ://127.0.0.1 :5000/book it's now time to visit the book rende-
ring URL

http ://127.0.0.1 :5000/svg you consult the graph URL

http ://github.com/jul/scam The home page of SCAM is on github