"How to customize Jupyter notebooks document titles ?"

This small document is here to *quickly* and *clearly* explain how to do the following tweak for *every* page that the Jupyter application displays in your browser :

> "How to ensure that the title of the web page (`document.title` in the DOM) finishes with `" - Jupyter Notebook"` ?"

These explanations were up-to date on May 12th of 2017, with Jupyter Notebook package at version 5.0.0.

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The following explanations assume you have a local installation of Jupyter Notebook. If this is not the case, follow this tutorial.

Typically, this Python package will be installed in `/usr/local/lib/python3.5/dist-packages/notebook/` on a Debian/Ubuntu machine, and probably on a similar location for Mac OS X, and you can figure it out on Windows. Let call that path `PATH/`.

First modification : HTML templates

- Go in `PATH/templates/`

- Edit, probably with `sudo` rights, the following templates:

- – `view.html` on line #6, add "`- File View`" after `{{page_title}}` and before `</title>`.

- `tree.html` on line #3, add "`- File Tree`" after `{{page_title}}` and before `{% endblock %}`.

- `terminal.html` on line #3, add "`- Terminal`" after `{{page_title}}` and before `{% endblock %}`.

- `edit.html` on line #3, add "`- Editor`" after `{{page_title}}` and before `{% endblock %}`.

- `page.html` on line #7, add "`- Jupyter Notebook`" after `{% endblock %}` and before `</title>`.

- Be sure to save all the changes, and that's it for this step.

  Of course, if the line number don't match, just search for the pattern, and edit on the first line that contains it !

Second modification : Javascript files

- Go in `PATH/notebook/static/notebook/js/`

- Edit, probably with `sudo` rights, the following scripts:

-     – `main.min.js` (and maybe `main.js`) : on line #32216 (or nearby!), add "`+ ' - Jupyter Notebook'`" after "`document.title = nbname`"... Warning: that file is HUGE, so try to use a solid text editor to edit it! (for instance, GNU nano)

- `savewidgets.js` : on line #139, add "`+ ' - Jupyter Notebook'`" after "`document.title = nbname`"

Demos ?

Here are some screenshots showing that these small modifications worked:

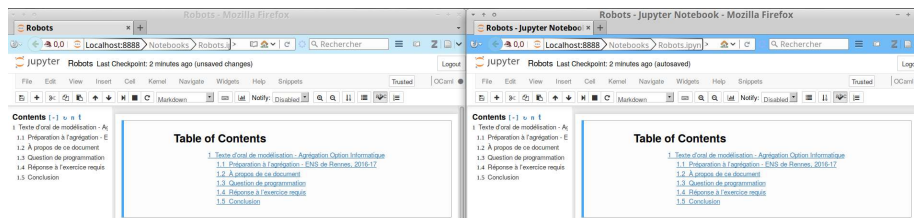### Editing a notebook : before and after

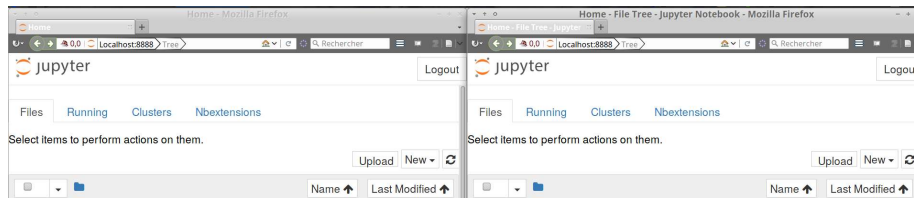Figure 1: Editing a notebook : before and after

Home view : before and after

Figure 2: Home view : before and after

Questions

Bonus question : *why would you want to do that ?*

- Simple and honest answer : I am constantly using my uLogMe software to watch and monitor the *title* of the active window on my laptops, and I wanted to store the time spent editing Jupyter notebooks under a special category ("Notebooks") and not under the general browsing time.
- Fun answer : ... I am always curious about how a certain piece of software works, and I love tweaking "just a little bit" open-source pieces of code!

Interesting question : *why writing a tutorial and not a Jupyter Notebook extension (nbextension) ?*

- Simple answer : I think (or though) it would be hard, as the changes explained below concern just a line or two in a few files, but on the core files of the software...
- Boring answer : I don't have time to produce a well-done nb extension, and maintain it...

License ?

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