Proposal Google Summer Of Code 2021

Organization: PyAr(Python Argentina)

Project: OpenLex

About me:

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PR in OpenLex:

- Módulo para filtrado de csv en tablas con una variable #26: work in progress

PR in Python-doc-es:

- Traducción whatsnew/2.7.po #1159 state: merged.
- Traducción de whatsnew/2.7 al 31% #1219 state: work-in-progress

Courses:
- Estructura de datos en Python - Universidad Austral - Coursera - 2020.
- Introduction to Git and Github - Google - Coursera - 2020.
- Curso de Python Intermedio - Universidad Nacional de La Rioja - 2020

Abstract

OpenLex is a legal management system developed in web2py this system has the advantage that it can be run on any operating system thanks to the fact that it is a web browser application, however, for this reason it represents mistrust among users due to ignorance about the security and system integrity as it is used by a browser and not as a desktop application. In order to satisfy these users, we should work with a local server solution, in order to still working with a Web Server.

It is proposed as main objectives for this scholarship:

- Email integration and billing to the system.

- Develop a trial version in the browser as a tutorial.

- Import and export massive data to make it compatible with other systems such as lexdoctor.

- Prepare it for the management of work groups, assignment of roles, responsibilities, tasks, administration.

Secondary proposals:

- Add the option to compress and archive the file to have a historical record whose purpose is to be used for data analysis purposes.

- Add as table data the number of accesses to a specific file, and the last date of access to the file in the main view.

- Synchronize calendar with Google Calendar.

- Add to which file the urgent task belongs in the main view.

- Optional (Reordering and slide bar in main view).

Proposal Timeline

Before April 30:
- Study of the book Web2py.
- Study of the book Py4Web..

- System design study.

- Research migration from Web2Py to Py4Web.

- Study about Database and storage data in Local Web Server.
- Study about group work apps.

April 30 – June 7 (Before the official coding time):

- Presentation with the working group.

- Chat with the mentors about the path to achieving the objectives.

- Preparation of a work plan.

- Discussion of priorities and what will be the final product.

June 7 (Start coding time):

- Fix csv upload to database
- Update new module like filter of csv.
- Add new features like compress and archive the old files.

June 21:

- Make corrections about obsolete features.
- Add in the views the relation file with urgent task

July 5:

- Improve the Calendar Sync
- Update views.

July 19:

- Add new features like Email integration and billing to the system
- Prepare it for import and save customer files. Like images, photos, audio.

August 2:

- Prepare it for the management of groups work, assignment of roles, responsibilities, tasks, administration. Or communication with an external app.

August 9 to 16(End program):

- Testing, fix and debugging Code.

Support:

- Migration Tasks.
- Link to the database from Local Web Server to web2py/Py4Web server where openlex is hosted. (Local web server feature still not develop)