README

The entire project was done in python using FLASK, following were the external dependencies required along with python - flask, flask_wtf, wtforms, pdfminer, fdpf. Python 2.7 was used.

SQLite database was used as our DB engine to store users and their respective files. To start the database run app/db_create.py.

Then to start the FLASK web-server run app/run.py to start the flask web server

Our Document viewing app can be accessed using a flexible REST-API as well as a primitive web interface. The names of the urls and arguments are self-explanatory as to the function they perform with respect to files.

Currently only two types of files are supported – pdf, txt

WEB INTERFACE
- /register – register a new user in our database
- /login – user login to avail features.
- /web/upload – user upload document once logged in
- /web/uploaded/<filename> - view the uploaded file in browser
- /web/view/<filename> - view uploaded file in text format
- /web/list – list all the files belonging to a particular user
- /web/delete/<filename> - delete a file belonging to a user
- /web/edit/<filename> - edit a file and save changes in case of pdf file, formatting gets deleted e.g. bold, italics etc.
- /web/restore/<filename> - restore the previous version of the file.
- /web/rename/<oldfilename>/<newfilename> - rename old filename to new filename

REST-API
Following is the REST-API exposed by our app: the functionalities mirror those of the web interface. Email and password except the register url, should be of a registered user.

- curl --noproxy localhost --data "email=qwe&password=qwe" http://localhost:5000/register
- curl --noproxy localhost --data "email=qwe&password=qwe" http://localhost:5000/login
- curl --noproxy localhost --data "email=qwe&password=qwe" http://localhost:5000/list_files
- curl --noproxy localhost --data "email=qwe&password=qwe&file=/home/alok/1.txt" http://localhost:5000/upload_file
- curl --noproxy localhost --data "email=aditya&password=arkobabi" http://localhost:5000/view/BookPadSRS.pdf
- curl --noproxy localhost --data "email=aditya&password=arkobabi" http://localhost:5000/delete/BookPadSRS.pdf
- curl --noproxy localhost --data "email=aditya&password=arkobabi" http://localhost:5000/restore/temp.txt
- curl --noproxy localhost --data "email=aditya&password=arkobabi" http://localhost:5000/rename/temp.txt/alpha.txt