DEBUG

Something went wrong? Unexpected behaviour?

FAQ

- Page is showing nothing

  - API is not running

    > see Api

  - Database is empty

    > see db

  - Front has a compile error

    > see front

- Graph dashboard are shown as loading but never displayed:

  - API is not running

    > see Api

  - Database is empty

    > see db

- Data is outdated:

Relauch the full process for new data with db/run.py --download

> See db

- Some classroom/student are missing:

Relaunch the stats with db/run.py --stats=create

- Page displays 'Oups... Table xxx is empty'

Relaunch the stats with db/run.py --stats=create

> See db

- API is not displaying anything

> See API

Determine which module thraw the error between:

- database

- db
- api
- tests
- front

DATABASE

- Is the database working? Can I connect to the database?

```
$ mongo kalulu
```

- Is the mongo process working?

```
$sudo service mongod status
```

To repair the database

```
rm -rf /var/lib/mongod/mongod.lock
mongo repair
sudo service mongod start
sudo service mongod status
```

DB

Run

- Did the run process encounter an error?

```
$tail ./logs/run.log
```

Init

Process

- Did the init process encounter an error?

```
$tail logs/run.log | grep 'init'
```

References

- Are the reference files all presents?

You must have 8 files

```
$ ls -l files/raw | wc -l
```

Is something problematic in references files?

```
$ mongo kalulu
> db.references.find({status: false})
```

Raw files

- Is the raw files directory empty?

```
$ ls -l files/raw | wc -l
```

- Is something wrong in downloading?

```
$tail logs/run.log | grep 'download'
```

Remember that you have 3 options to populate database with raw files:

- download from remote server

- copy files into default directory files/raw/

- declare the location of your raw files

- **download from remote server**

This requires to set up the credentials for the server as described in [download section of db](#)

Once this is done, you can run all the process by activating the download option in run.py cmd

```
(venv)$ python db/run.py --download
```

- **copy files into files/raw and run the process**

```
(venv)$ python db/run.py --download
```

- **specify the location of the raw documents file while running the process**

```
(venv)$ python db/run.py --from=/home/user/kalulu_raw_data/
```

Clean files

- Is the clean files directory empty?

```
$ ls -l /files/raw | wc -l
```

- Was something wrong in cleaning? `$tail logs/run.log | grep 'download'`

- Are files not cleaned properly ?

```
$mongo kalulu
> db.files.find({status: false})
```

Inserted files into records

- Was something wrong in inserting into database? `$tail logs/run.log | grep 'insert'`

- Do the database have records?

```
$ mongo kalulu
> db.records.count()
10132450
```

API

- Is the API up?

test using xcurl or visit the API interface

- Check process API

```
supervisorctl status all
```

tail /var/log/api.err.log tail /var/log/celery-api.err.log

TESTS

Tests are written to ensure that the database is correctly populated and the API is answering as designed so it can be a good way to investigate whether the responsability is held by the db module or the api module

launch the tests using virtualenv inside tests directory

Available tests: