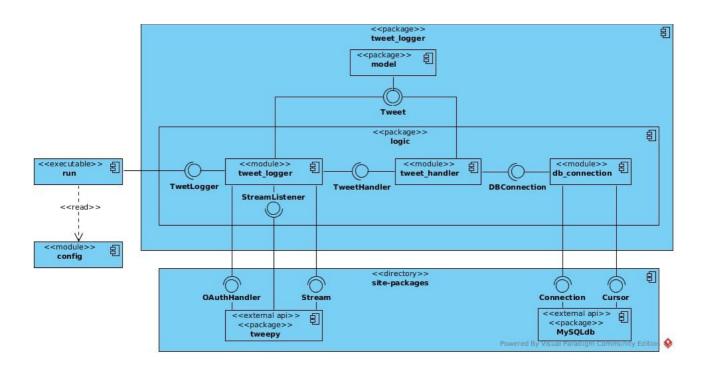
Glossario:

- -Package: Directory that contains an __init__.py file and any number of modules and sub-packages
- -Module: File with .py extension that declares any number of variables, functions and classes.
- **-Executable:** Module that is designed to be executed by the Python interpreter.

Components:

This diagram shows the interfaces implemented and required by each mudule.

The **dmbs_handling** module is designed to offer multiple implementations of the DBConnection interface. Final users can set the desired implementation in the config.py module. Current and only implementation relies on MySQLdb API.



Interfaces:

Here follows the specification of the interfaces defined in the **tweet_logger** package. Other interfaces are documented in the relative API documentation.

class **TweetLogger**:

```
def __init__ (self, **config):

all config options are described in the config module. Most relevant are:
credentials to access Twitter API, db backend to use, credentials to access db.

Authenticate to Twitter API and connect with db

def start (self, filter):

@filter: list of str
```

stream from Twitter API all the tweets matching the keywords in <u>filter</u> in real time saving tweets data on db as they arrive.

This method is blocking and never returning. The only way to stop is with KeyboardInterrupt!

class **TweetHandler**:

class **DBConnection**:

Sequence Diagrams

This diagram describes what happens when a new tweet is received from the stream and is saved in the data base <u>without any error</u>

