File synchroniser

Two apps :

- the server part wich host the document and make it availlable for every body

- the client : alllow the user to connect to the server and change the docments

The server must had a local repository called "File"

Documents must be save in txt form at first and then in custom xml

TCP trafic seems appropriate

Initialisating ...

- #connection : the client send this to the server to said to him that he his connected

- server name

**get all the files :**

- #file

- directory : if null, then root directory

- files as a list

This list is a list of

when recieve

- #send

- file name

- content of the file in binary form

-#ok or -#failed

if failed : the server resent the file

Server boot :

- check dirtectory and retrive file if not found "file", "create it"

- start listener

new listener for every file

**File transfert :**

File download :

- #fileDownload

- <file name>

server respond

- byte size

- buffer size

while{

- <file content>

- <is file ended>

}

- #endFileDownload

in a list of byte

File upload :

- #fileUpload

- <file name>

- ready or can'tRecieve

- byte size

- buffer size

while{

- <file content>

- <is file ended>

}

- #endFileDownload : server confirmation

- #endFileDownload

in a list of byte

**client disconnect :**

- #disconnect

- #disconnection\_ok or #disconnection\_failed if something went wrong or #disconnection\_refused

close connection

server makes ready for an other connection