Project 2 README

==============================

1. **Usage: IndexGet longlist**

   IndexGet longlist

   ```
   $$ IndexGet longlist
   -rw-rw-r-- 1 113K 2019-07-10 00:40 1.jpg
   -rw-rw-r-- 1 3.0K 2020-04-21 04:32 FCfinalServer.py
   -rw-rw-r-- 1  12K 2019-07-22 01:30 report.docx
   -rw-rw-r-- 1 6.0K 2020-04-05 18:19 testFile.py
   -rw-rw-r-- 1 2.4M 2019-07-10 01:43 tutorial.pdf
   $$ 
   ```

2. **Usage: IndexGet longlist <file extension>**

   IndexGet longlist .pdf

   ```
   $$ IndexGet longlist .pdf
   -rw-rw-r-- 1 2.4M 2019-07-10 01:43 tutorial.pdf
   $$ 
   ```

3. **Usage: IndexGet shortlist dd-mm-yyyy hr:min:sec dd-mm-yyyy hr:min:sec**

   IndexGet shortlist 01-07-2019 00:00:00 10-07-2019 05:00:00

   ```
   $$ IndexGet shortlist 01-07-2019 00:00:00 10-07-2019 05:00:00
   -rw-rw-r-- 1 113K 2019-07-10 00:40 1.jpg
   -rw-rw-r-- 1 2.4M 2019-07-10 01:43 tutorial.pdf
   $$ 
   ```

4. **Usage: IndexGet shortlist dd-mm-yyyy hr:min:sec dd-mm-yyyy hr:min:sec <file extension>**

   IndexGet shortlist 01-07-2019 00:00:00 10-07-2019 05:00:00 .pdf

```
$$ IndexGet shortlist 01-07-2019 00:00:00 10-07-2019 05:00:00 .pdf
-rw-rw-r-- 1 2.4M 2019-07-10 01:43 tutorial.pdf
$$ ▮
```

5. **Usage: FileDownload <filename> <TCP or UDP>**

   FileDownload tutorial.pdf TCP

```
$$ FileDownload tutorial.pdf TCP
-rw-rw-r-- 1 2.4M 2020-04-21 05:20 tutorial.pdf

('Hash Value (Server) = ', '8f5d8aaab10b93389e0fdf9d6ef94ba2')
('Hash Value (Client) = ', '8f5d8aaab10b93389e0fdf9d6ef94ba2')
```

   FileDownload testFile.py UDP

```
$$ FileDownload testFile.py UDP
-rw-rw-r-- 1 6.0K 2020-04-21 05:21 testFile.py

('Hash Value (Server) = ', 'af057b87b3c07ec121d08cdffa15ad0c')
('Hash Value (Client) = ', 'af057b87b3c07ec121d08cdffa15ad0c')

$$ ▮
```

6. **Usage: FileHash verify <filename>**

   FileHash verify tutorial.pdf

```
$$ FileHash verify tutorial.pdf
('Hash Value (Server) = ', '8f5d8aaab10b93389e0fdf9d6ef94ba2')
('Hash Value (Client) = ', '8f5d8aaab10b93389e0fdf9d6ef94ba2')
-rw-rw-r-- 1 2.4M 2020-04-21 05:20 tutorial.pdf

$$ ▮
```

7. **Usage: FileHash checkall**

FileHash checkall

```
$$ FileHash checkall
Filename =  report.docx
Server side Hash Value =  8c4120ca80d66e9af2ac573b7de90c48
The file is not on this system.

Filename =  1.jpg
Server side Hash Value =  5dcdec7bde5888ed573ce959060f0c3f
The file is not on this system.

Filename =  testFile.py
Server side Hash Value =  af057b87b3c07ec121d08cdffa15ad0c
Client side Hash Value =  af057b87b3c07ec121d08cdffa15ad0c
-rw-rw-r-- 1 6.0K 2020-04-21 05:21 testFile.py

Filename =  FCfinalServer.py
Server side Hash Value =  b6396e3f129cf739c68b43d3e0fb7ab0
The file is not on this system.

Filename =  tutorial.pdf
Server side Hash Value =  8f5d8aaab10b93389e0fdf9d6ef94ba2
Client side Hash Value =  8f5d8aaab10b93389e0fdf9d6ef94ba2
-rw-rw-r-- 1 2.4M 2020-04-21 05:20 tutorial.pdf

$$
```

8. **Usage: Cache verify <filename>**

Cache verify testFile.py

```
$$ Cache verify testFile.py
FileDownload testFile.py TCP
6074
File stored in Cache
```

9. **Usage: Cache show**

Cache show

```
$$ Cache show
testFile.py      Last Modified: 21-Apr-2020 05:34      Size: 6074
Cache Size =  6074
$$
```