

Regression Test Procedure

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Description:

Official procedure for testing the 393Torrent application. Running the tests outlined below ensures there was no loss in functionality between release candidates.

1. Open a terminal window
2. Verify python 2.7.6 is installed on the computer
3. Change directory to the 393torrent directory
 - a. `cd 393torrent/`
4. Verify the usage printout
 - a. `python torrent/torrent.py`

```
usage: torrent.py [-h] [--seed] [--port PORT] torrent_file
torrent.py: error: too few arguments
```

5. Verify the options in usage
 - a. `python torrent/torrent.py -h` and `python torrent/torrent.py --help`

```
usage: torrent.py [-h] [--seed] [--port PORT] torrent_file

Process a torrent file.

positional arguments:
  torrent_file  a single torrent file

optional arguments:
  -h, --help    show this help message and exit
  --seed        seed forever (default: seed while downloading)
  --port PORT   Optionally set the port for the client to listen on
```

6. Verify the full ubuntu iso could be downloaded to completion
 - a. `python torrent/torrent.py testcases/ubuntu.torrent`
7. Verify the port number used by --port was correct
 - a. `python torrent/torrent.py --port 2567 testcases/ubuntu.torrent`
8. Verify the client remained open using --seed
 - a. `python torrent/torrent.py --seed testcases/ubuntu.torrent`

Results:

Conclusions: