```
                                          Reads from
 ┌────────────────────┐  ◄──────────────────────  ╱─────────────╲
 │                    │                            │             │
 │  Start the Server  │                            │ shared_files│
 │                    │  ──────────────┐           ╲─────────────╱
 └────────────────────┘     Writes...  │
          │                            │
          │                            ▼
          │                       ╱─────────────╲
          │                       │             │
          │                       │ sliced_files│
          ▼                       ╲─────────────╱
 ┌────────────────────┐   ◄──────────────┘
 │                    │
 │ Start the          │
 │ Service_Anouncer   │   ──────────────┐
 │                    │                 ▼
 └────────────────────┘          ╱─────────────╲
                                 │               │
                                 │advertised_file│
                                 │    .json      │
                                 ╲─────────────╱

 ┌────────────────────┐
 │                    │  ──────────────────────────┐
 │ Start              │                            │
 │ Service_Listener   │                            ▼
 │                    │                     ╱───────────────╲
 └────────────────────┘                     │               │
          │                                 │ content_dict   │
          ▼                                 │    .json       │
 ┌────────────────────┐                     │               │
 │                    │                     ╲───────────────╱
 │ Stop               │                          │
 │ Service_Listener   │                          │
 │                    │                          │
 └────────────────────┘                          │
          │                                       │
          ▼                                       │
 ┌────────────────────┐   ◄─────────────────────┘
 │                    │
 │ Start Downloader   │
 │                    │
 └────────────────────┘
```

Since content_dict.json is a file and not a folder, unlike sliced_files, it can't be written to and read from at the same time. This is the reason for stopping Service_Listener.py before starting Downloader.py

An input mode can be activated using a keyboard interrupt (ctrl+C in Linux) at any time in Service_Listener.py.
There are several commands that can be used:

- **usr "user name"**
  prints all the content that the "user name" is sharing.
- **online_users**
  prints every online user with their ips
- **cnt_dict**
  prints the content dictionary
- **q**
  exits the program

The Code has been tested in Pop OS, Windows, MacOS. (Unreliable on windows)