Verification

Test results:

- **Register File:**
  - Registering file is tested on multiple peers (4 peers) concurrently with files with different sizes. And everything works properly.
  - When system is set to Auto Indexing mode, after starting peer, all files in the shared folder of that peer registers to the indexing server automatically. And it also detects modification or deletion of file and according make request to the server for respective changes.

- **Search and downloading file:**
  - Searching file is tested on multiple peers (4 peers) concurrently with files with different sizes. And everything works properly.
  - It gives list of peers where the file is located, otherwise gives message – "File Not Found!!"
  - After confirming and selecting peer from which file is used to download, download starts, and within few milliseconds, file get downloaded into download folder of that peer.

- **Search and delete file:**
  - Searching file is tested on multiple peers (4 peers) concurrently with files with different sizes.
  - It gives list of peers where the file is located, otherwise gives message – "File Not Found!!"
  - After confirming and selecting peer from which file is used to delete, peer sends request to server to delete the index of respective file.

Things going wrong in the code:

- While searching file on the indexing server, you must enter full name of that file, code does not give partial searches or intelligent search which will predict file name.