**User Experience Example**

1. starts up FTP-BRO program
2. CLI prompts user for remote-host IP address.
3. Connection is either “connected” or “waiting” (wait timeout is 5 minutes)
4. The CLI is populated with the remote-host “share folder” file listing.
5. if the user types “send file <filename.extension>”, the CLI thread will produce and send a request to the remote host for processing.
6. if the user types “list local”, the CLI thread will produce a local-host “share folder” file listing
7. if the user types “list remote”, the CLI thread will produce
8. ~~GUI pops up with areas for:~~

* ~~remote-host IP address (text box)~~
* ~~a “connect” button to connect to the host IP specified in the remote-host IP address text box. (the host can only successfully connect if the remote host is already started up.~~
* ~~remote-file list (text area)~~
* ~~local-file list (text area)~~
* ~~list-refresh button to re-populate both lists with current information (push button)~~
* ~~text-entry box titled “file name” allowing the user to type the file they’re interested in~~
* ~~adjacent to the text-entry box are buttons for:~~
  + ~~“send file” (push button)~~
  + ~~“request file” (push button)~~

1. Once the connection is made with the remote host, the files within the remote-host’s FTP-BRO “share folder” are listed in the “remote-file list” area of the GUI.
2. ***Case 1 (request file):***  
   If the user sees a file listed on the remote host that they would like to download to their local host, they type that file name in the “file name” text-box and click the “request file” button ***Case 2 (send file):***If the user sees a file listed on their local host that they would like to upload to the remote host, they type that file name in the “file name” text-box and click the “ send file” button