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Defects for InfoCrawler (Higher Order Testing)

1. Usability Testing: -h doesn't open help menu, program prints "Help:\nError: please select from available mode"
2. Usability Testing: "Clear result" in GUI also clears the input pane
3. Usability Testing: No error check for email address. Ex: lets me send email to 'joe'.
4. Usability Testing: Unable to resize result pane makes browsing output difficult
5. Usability Testing: When running from GUI and flagging notification to YES and entering a valid email no email is generated.
6. Usability Testing: When running from GUI in single page mode (in both Word by Word and in RegEX) when scanning to remove a keyword, keyword is not removed.
7. Usability Testing: When running from GUI in single page mode (in both Word by Word and in RegEX) when scanning to replace a keyword, keyword is not replaced.
8. Usability Testing: In the terminal version, there is no way to make the periodic crawling stop unless Ctrl-C the program.
9. Volume Testing: When testing <http://en.wikipedia.org/wiki/XXX> incrementing 1 from 1980 to 2015 no result is displayed (GUI)
10. Volume Testing: When running four jobs in single page mode all searching the same page, got multiple thread exceptions and only one job returned data.
11. Stress Testing: When asked to increment between many pages in repeat mode, ie: testing <http://en.wikipedia.org/wiki/XXX> incrementing from 1980 to 2015, the program took a long time to respond, then returned some data and threw an exception.
12. Volume Testing: Continued usage of program causes continued consuming of memory (memory leak) even after all jobs have finished