**Technical Specification Document**

**Reddit Crawler**

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# Introduction

The technical specification document details the process by which the application operates at a technical system level. Descriptions are kept short, and most lines are in noun or verb-noun format. While not yet all encompassing, this document should provide an idea of what the application will be capable of upon completion.

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# Technical Specifications

1. Query user (login username, password)
   1. Username
   2. Password
      1. Verify with login
2. Query user (main menu selection)
   1. Notification email adjustments
      1. Verification/creation of rcEmail.txt
      2. Present current email
      3. Query user (new email, return to menu)
         1. Query user (email address)
            1. Update rcEmail.txt
         2. Return to menu
   2. Adjust search criteria
      1. Verification/creation of rcSearchCriteria.txt
      2. Query user (Append, delete)
         1. Query user (new search criteria, return to menu)
            1. Update rcSearchCriteria.txt
            2. Return to menu
         2. Query user (line number, return to menu)
            1. Remove line from rcSearchCriteria.txt
            2. Return to menu
   3. Change subreddit
      1. Verification/creation of rcSubReddit.txt
      2. Query user (subreddit name, return to menu
         1. Query user (new subreddit, return to menu)
            1. Verification of subreddit
            2. Update rcSubReddit.txt
         2. Return to menu
   4. Run application
      1. Verify existence of rcEmail.txt, rcSearchCriteria.txt, rcSubReddit.txt
         1. Display error if failed
      2. Run listen method
         1. Ping subreddit every three minutes
            1. Check for search matches

If matches are present, notify listed email & return to listen

If no matches are present, return to listen

* + - * 1. User inputs return

Return to menu

* 1. Exit