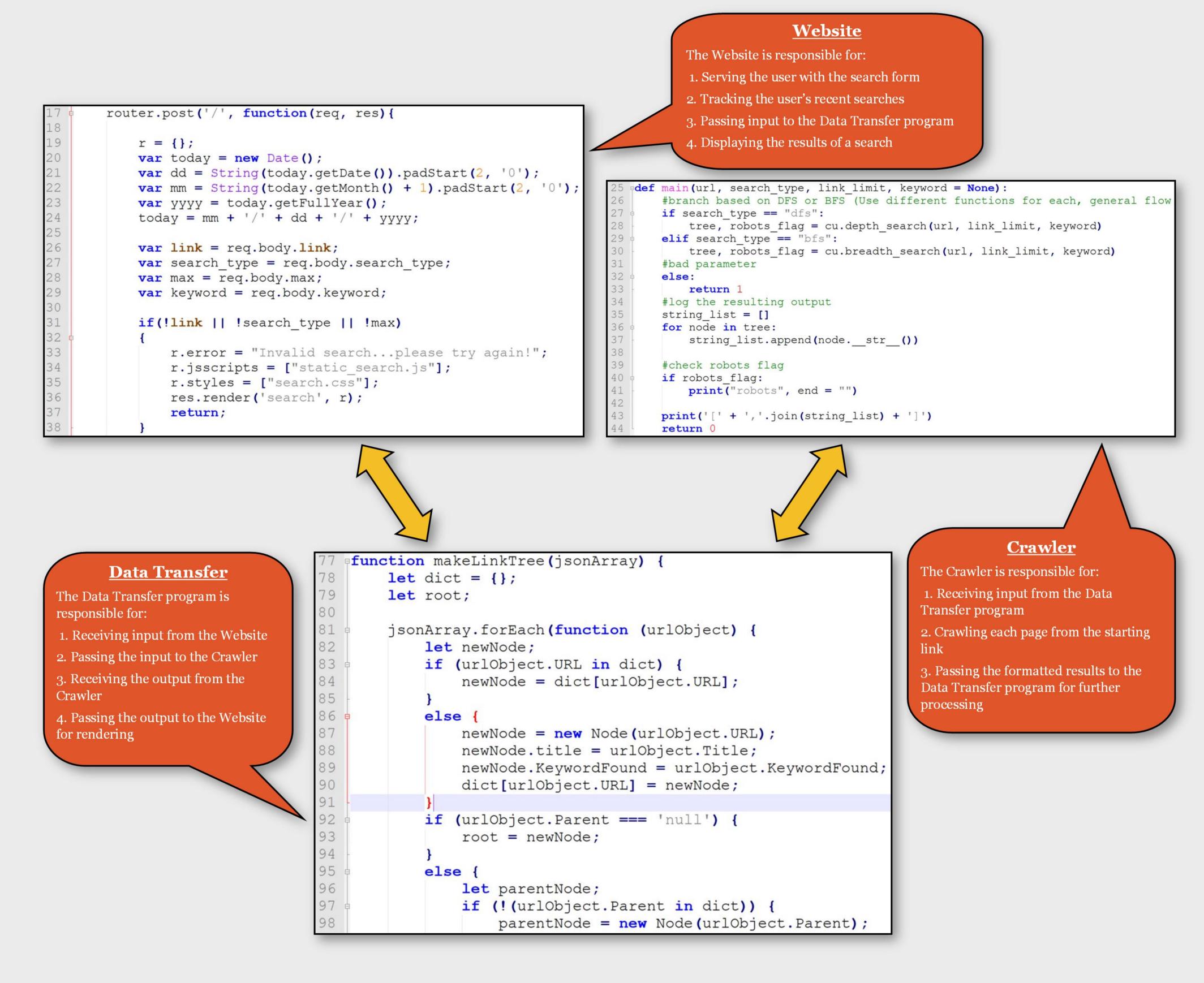
# GCRAWLER: GRAPHICAL WEB CRAWLER

The GCrawler project is a graphical web crawler which crawls a user-supplied website, following links on each page as it goes. It displays a color-coded graph of what pages were crawled and how it reached each page. Try it: <a href="https://gcrawler-test.herokuapp.com/search">https://gcrawler-test.herokuapp.com/search</a>



## GCrawler Code Repository:

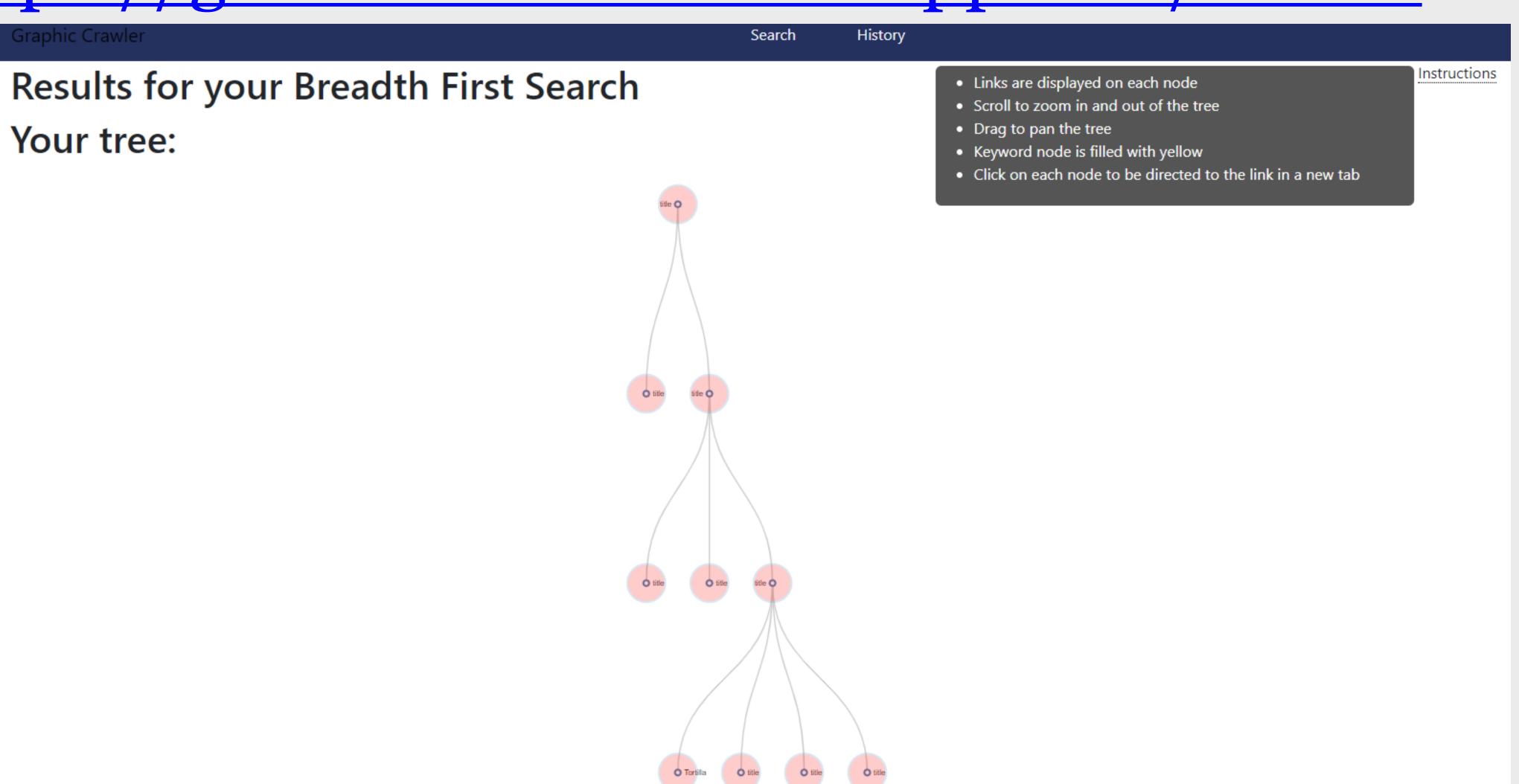
https://github.com/metzgerb/cs467-project



### CONNECT WITH THE GCRAWLERS:

Christopher Beall (Data Transfer): <a href="https://github.com/beallch">https://github.com/beallch</a>
Helen Jiang (UI/Website): <a href="https://github.com/hyjiang7">https://github.com/hyjiang7</a>

Brian Metzger (Crawler): <a href="https://github.com/metzgerb">https://github.com/metzgerb</a>



# Enter a website to begin your search! Full Starting link: http://www.google.com/search/about Choose a keyword: apple Choose a search type: Depth First Search Breadth First Search Page limit (Range 1-3): 3 Search

### GCRAWLER FEATURES:

- **Intuitive:** Complete a simple form to crawl any website. Supply a keyword to search for text on each page. GCrawler will halt when it finds the keyword. (*left*).
- **Retentive:** GCrawler stores your sessions' past searches on the History tab for easy re-use.
- **Flexible:** Choose from Depth First Search or Breadth First Search methods. Depth First Search will follow a random link on each page until the specified page limit (1-10) is reached. Breadth First Search will follow all links on each page until the specified depth limit (1-3) is reached. (*left*)
- **Informative:** GCrawler's color-coded results display the title of each page on the node. The URL can be seen by hovering over the node. A user can click the node to open the page. (*above*)
- **Good Bot:** GCrawler adheres to the Robot Exclusion Protocol by reading a page's robots.txt file and abiding by its rules. It also evaluates pages and links for other indicators that it should not crawl the page or follow the links.