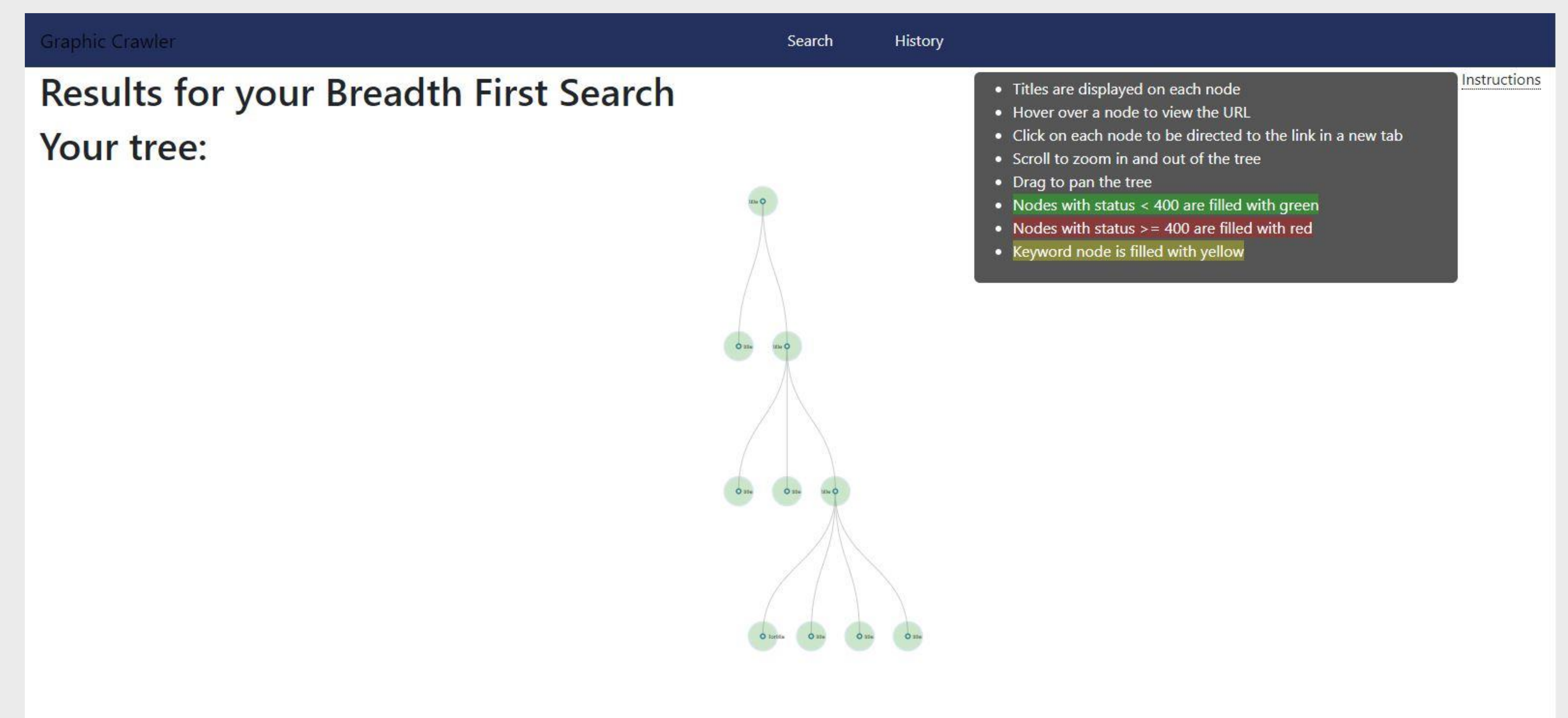
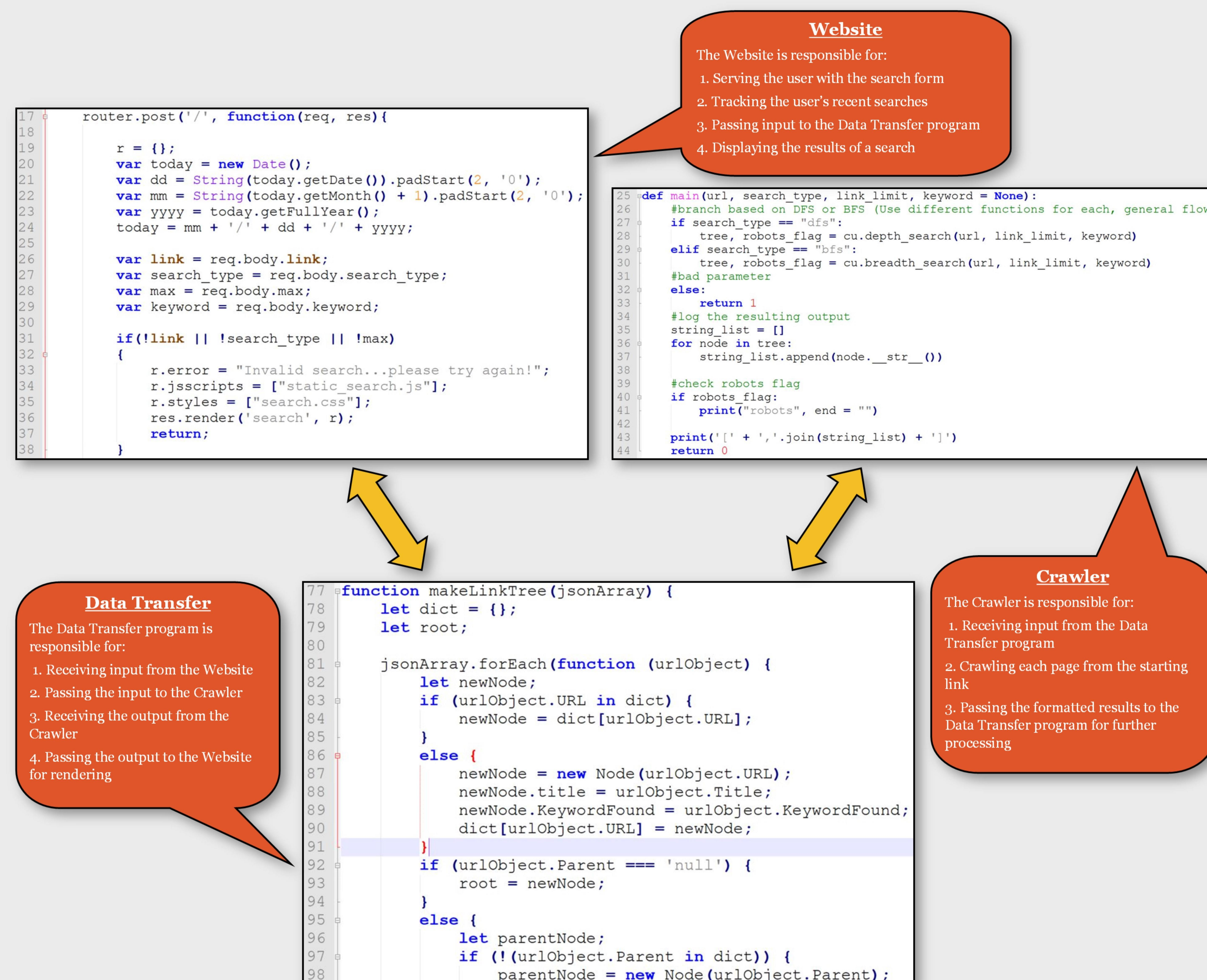


# GCRAWLER: GRAPHICAL WEB CRAWLER

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: <https://gcrawler-test.herokuapp.com/search>



GCrawler Code Repository:  
<https://github.com/metzgerb/cs467-project>



## CONNECT WITH THE GCRAWLERS:

[Christopher Beall](#) (Data Transfer): <https://github.com/beallch>

[Helen Jiang](#) (UI/Website): <https://github.com/hyjiang7>

[Brian Metzger](#) (Crawler): <https://github.com/metzgerb>

## 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.