**MyMap**

*associate()*: Assuming there’s N nodes to traverse through, associate() is O(log(N)).

*find()*: Assuming there’s N nodes to traverse through, find() is O(log(N)).

**WordBag**

*constructing WordBag*: Assuming there’s N words, the constructor is O(Nlog(N)).

**Indexer**

*incorporate()*: Assuming there’s N words, incorporate() is O(Nlog(N)).

*getUrlCounts()*: Assuming there’s N vectors in UrlCounts, getUrlCounts() is O(Nlog(N)).

**Searcher**

*search()*: Assuming theres N words to match, search() is O(N).