the word, as a FrequencyString in a list, which is then sorted using the Collections.sort() method.

4.5   Known Issues

There are a few known issues with the system that were uncovered during testing.

Sentence Length Limit

Due to the one minute request time sentences that contain words which have a large number of synonyms, or a large proportion of words which are possible carriers, can take longer than one minute to process and hence cause a "DealineExceededException". This means that the message is not sent or returned to the screen. This problem can partly be overcome by increasing the clock speed and memory available to the application (which is by default low), but this uses the resources at a higher rate, affecting the quotas.

First Request Failure

One of the features of the App Engine is that if a process is not used for a certain amount of time, it is shut down and has to be restarted. This is not a problem with regular use of the application, but if the application is not used for some time (measured in hours) then the first request to the server usually fails even for a simple single word such as hello due to the time required to restart the processes. The page has to be reloaded for the application to work after this. Due to this being an issue with the App Engine itself there is no obvious fix, but would not be a problem if enough people use the application regularly.