The class MapClass holds the methods for tokenizing words from a text file, altering the data, and exporting it to a temporary file for later use by the Reduce class. MapClass contains two main methods: MapFunction and ExportFunction. The MapFunction takes a file name and text data as input. It processes the text data provided in the input file (filename) by tokenizing the raw data into words, then converts each word to lowercase, and removes any punctuation. Then, it evokes the ExportFunction to create a tuple consisting of the values of “word, 1” for each occurrence of a word. The ExportFunction then adds each tuple to a vector (buffer) and writes the contents of the vector to a file in the temporary directory in batches. The ExportFunction does this via buffering by writing the data in sets, writing to the file when the buffer reaches a determined size (10 elements). In execution the ExportFunction writes the tuples from the buffer to the temporary file in batches of 10 tuples, after each iteration, the buffer is cleared.