Data Structures Quiz 4 (25 minutes)

Name:				NetID:		
By par	ticipating in	this quiz	, you agree	e to adher	e to the honor	code.

- Q1) Given a list of words named list, implement the constructor for the WordAnalysisResult class, public WordAnalysisResult(List<String> list), which initializes three attributes:
 - List<String> uniques stores unique words from list,
 - List<Integer> counts stores the count of each unique word,
 - List<Integer> firstSeen stores the index of the first appearance of each unique word.

Assume access to a Map implementation named FastMap, with methods V get(Object key), V put(K key, V value), V remove(Object key), and boolean containsKey(Object key). When key is not found, null will be returned. Write authentic codes as you can.

Q2) (2 points) What is the time complexity of your method? Provide a brief explanation of your answer.