

COP 3337		Assignment 2: ArrayList	
		100	Jack B. Baad
<u>WordRecord</u>			
<u>Instance Variables</u>			
<i>Declaration</i>	4	4	<i>must use an ArrayList for the line-numbers</i>
<i>Constructor</i>	6	6	<i>construct & initialize</i>
<u>Accessors</u>			
<i>getWord()</i>	1	1	
<i>getFrequency()</i>	1	1	
<i>getLineNumbers()</i>	6	6	<i>must return a copy</i>
<u>Mutator</u>			
<i>update()</i>	6	6	<i>line-numbers in required order, no duplicates</i>
<u>Override</u>			
<i>toString()</i>	6	6	<i>complete description of state</i>
<u>Concordance</u>			
<u>Constructor</u>			
<i>Initialization</i>	3	3	<i>construct & initialize</i>
<i>scanFile()</i>	25		
count lines	2	2	<i>maintains correct count</i>
extracts words	3	3	<i>selects all words from each line</i>
prune words	10	10	<i>eliminates leading & trailing whitespace & punctuation</i>
table update	10	10	<i>must use (helper) mutator to insert or update</i>
<u>Accessors</u>			
<i>getFileName()</i>	1	1	
<i>getTableSize()</i>	1	1	
<i>getWords()</i>	5	5	<i>interpret table</i>
<u>File Queries</u>			
<i>numberOfWords()</i>	5	5	<i>interpret table</i>
<i>numberOfLines()</i>	5	5	<i>interpret table</i>
<u>Word Queries</u>			
<i>contains()</i>	2	2	
<i>frequency()</i>	4	4	
<i>lineNumbers()</i>	4	4	
<i>binarySearch()</i>	10	10	<i>must use WordRecord compareTo()</i>
<u>Documentation</u>			
ID Paragraph	5	5	