CS56—Midterm Exam 1—Question 1 E01, Q01, W16, Phill Conrad, UC Santa Barbara 02/10/2016

HAND THIS IN WITH YOUR EXAM. YOU MAY USE THIS FOR SCRATCH WORK, BUT ALL ANSWERS SHOULD BE ON YOUR EXAM PAPER.

Name:		
Umail Address:	@ umail.ucsb.edu	
INSTRUCTIONS FOR QUESTION 1		
Write the code for the IndexEntry class, per the instructions below	v.	
Books such as textbooks have an index in the back to help you find Consider, for example, a fragment of the index of our CS56 textbook at right. Each of these entries shows only one string (a topic) and the string text of the page on which that topic appears. For simplicity, assume for appears on one and only one page (that is not true in practice, but first.) You will write a Java class to represent one entry in this index. For should have all of the following. Go over this as a "checklist" when make sure you have everything needed. Note that for this exam, you do NOT need to include Javadoc compabout those on midterm 2).	ok shown in the box then an integer which now that a topic for now, assume that it or full credit, your class on you are finished to	BoxLayout manager 411 brain barbell 33 break statement 105 BufferedReader 454 BufferedWriter 453 buffers 453 byte 51 bytecode 2
a. (10 pts) Correct syntax and structure of a Java class.		
b. (8 pts) Private instance variables for the data members (attrib	butes).	
c. (8 pts) A two-argument constructor that takes arguments for Example invocation: IndexEntry ie = new IndexEntry("		
d. (8 pts) getter methods called getTopic and getPage.		
e. (8 pts) setter methods called setTopic and setPage.		
f. (8 pts) a correct ${\tt toString()}$ method. The method should ret	turn the topic followed by	the page number, separated by a single space.

NOTE: You do NOT need to implement an equals() method for this exam. We'll cover that topic on midterm 2.

End of Q01 Handout—total points=50