

First name (color-in initial)	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	section (10, or 11)	first name initial	last name initial
Last name (color-in initial)	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z			

# H17: Due Wednesday 05.22 in Lab. Total Points: 50

## Data Structures and Collections (HFJ Ch 16)

MAY ONLY BE TURNED IN DURING Lab ON Wednesday 05.22, or offered in person, for in person grading, during instructor or TAs office hours.

See the course syllabus at <https://foo.cs.ucsb.edu/56wiki/index.php/S13:Syllabus> for more details.

(1) (10 pts) Fill in the information below. Also, fill in the A-Z header by

- **coloring in** the first letter of your first and last name (as it would appear in Gauchospace),
- writing **either 10,11** to indicate your **discussion section** meeting time
- writing your **first and last initial** in large capital letters.

All of this helps us to manage the avalanche of paper that results from the daily homework.

name:	
uemail address:	@uemail.ucsb.edu

## Reading Assignment: Chapter 16 in HFJ

(2) (9 pts) Suppose you have a variable `ArrayList<String> words;` which has already been instantiated filled with a list of words.

Now you want to sort those words in alphabetical order. Write one line of code that will do this, using the technique described in Chapter 16.

CS56-S13-H17 end

(3) The declaration of the sort method in the Collections is

```
public static <T extends Comparable<? super T>> void sort(List<T> list)
```

Here's that declaration again, several times, with a part underlined each time. Explain the meaning of the underlined part.

■ (9 pts) public static <T extends Comparable<? super T>> void sort(List<T> list)

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(4) (4 pts) In the Java Collections API, List, Set and Map are defined as:

(Circle one): classes interfaces