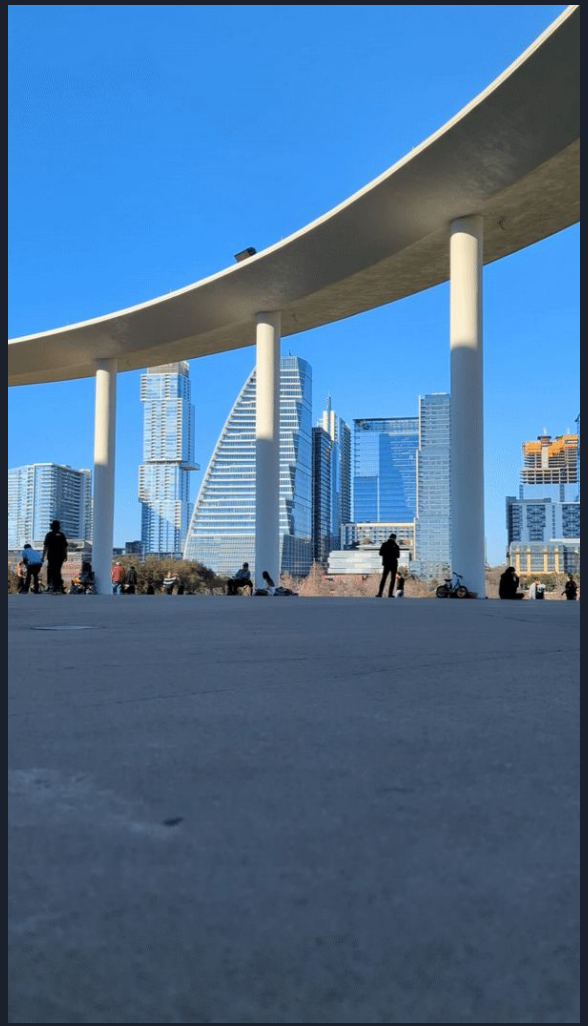
CS 314 Discussion



Regrade Policy

- **Please have a pen out! Not a pencil!**

- Your entire exam gets regraded
- Your grade can go up or down
- Keep in mind we probably missed something while grading!
- If there's a simple math error then let me know! We'll correct it.

Exam Review!

About Assignment 4

- Tends to be the best on average, whereas assignment 5 tends to be the worst
- Some style remarks:
- Deep copy:

```
public HangmanManager(Set<String> words) {
    this.full_words = new ArrayList<String>(words);
}
```

About Assignment 4

- A TreeSet was perfect for guessed letters!
- Sorts your letters
- Output matches Mike’s toString requirements exactly

About Assignment 4

- Getting the best & second best word easily:

1. Make a class with a compareTo method:

```
public int compareTo(PatternFreq other) {
    int result = other.numWords - numWords;
    if (result == 0) {
        result = other.numDashes - numDashes;
        if (result == 0) {
            result = pattern.compareTo(other.pattern);
        }
    }
    return result;
}
```

About Assignment 4

2. Convert your keys & entries to a list of your class. Sort them!

```
ArrayList<PatternFreq> res = new ArrayList<>();
for (String key : map.keyset()) {
    res.add(new PatternFreq(key, map.get(key).size()));
}
Collections.sort(res);
```

About Assignment 4

3. Pick the best index based off the round!

```
int index = 0;
if (activeWords.size() > 1 && (diff == HangmanDifficulty.MEDIUM &&
round % 4 == 0 || diff == HangmanDifficulty.EASY && round % 2 == 0)) {
    ++index;
}
String nextPattern = res.get(index).pattern;
```

About Assignment 5

- Remember at the end of the assignment for `get` to iterate backwards if the element index is in the second half of the list
- Casting in `equals`:

```
IList<?> otherList = (IList<?>) other;
```

- If you use the Mickey Mouse method Mike covered in class (WHICH YOU SHOULD USE!!!!!!!), you don't many (if any) edge cases, so *don't* check them!