

CS 445

Rec 2

Agenda

1. **Housekeeping Items**
2. **Topics of This Week**
 - a. **Composition, Inheritance, Polymorphism, Interfaces, and Abstract Classes**
3. **Working Session: Lab 1**

Housekeeping Items

- 1. Recitation recording is uploaded**
 - a. Recitation Info Google Sheet -> Shared Google Drive
 - b. Accessible when logged in with your Pitt account
- 2. Lab 1 & Project 1 are both up**
 - a. Lab 1 is due Jan 23rd
 - b. Project 1 is due Jan 26th

Topics of This Week

1. **Composition vs. Inheritance**
2. **Polymorphism**
3. **Interfaces and Abstract Classes**

Lab 1

**inShuffle()
outShuffle()
inSortedOrder()**

Notes

- One of the shuffle method is where you will spend the majority of your time and effort
- Be careful with the counts/pointers (aka how you walk through the arrays)
- Make sure Deck is **modified** at the end of a shuffle (aka you need to assign the newDeck to Deck)

Project 1 (preview)

**topCardAtIndex()
toBitString()**

**Note: *topCardAtIndex()* is just a one-liner,
toBitString() is where you will spend majority of
your time**