Lecture 32: Midterm 2 Review

Last time:
1. Exceptions (continued)
2. Collections in Java: Stack, ArrayList

Today
1. Midterm 2 Review 4/18
Midterm Exam: Wed. 11/15

- Test will be given in discussion section
- Go to your own section!
- Test will be:
  - Closed notes / book / neighbor / etc.
  - Cover all material since beginning of course, with special emphasis on topics since last midterm (through exceptions)
- Study!
  - Review notes, projects, quizzes
  - Use study questions on web-site
- Don’t stay up all night
- Bring a pencil (or two!) with good erasers
Midterm Review
What Is / Are …

- JUnit?
- mutable objects / immutable objects?
- switch?
- break?
- default?
- case continuation?
- continue?
- arrays?
- array indexing?
- default values of instance variables?
- length?
- ArrayIndexOutOfBoundsException?
- Array aliasing?
Midterm Review
What Is / Are …

- Array initializers?
- Array promotion during argument passing?
- Shallow / half-deep / deep copying of arrays?
- Privacy leaks?
- Model-View-Controller design pattern?
- Polymorphism?
- Interfaces?
- \texttt{implements}?
- Differences between interfaces, classes?
- Wrappers?
- \( \langle \text{bexp}\rangle \ ? \ \langle \text{exp1}\rangle \ : \ \langle \text{exp2}\rangle \ ? \)
Midterm Review
What Is / Are ...

- API?
- Foo.java / Foo.class?
- javac?
- java?
- ClassPath?
- command-line arguments?
- Javadoc?
- Javadoc tags?
- two-dimensional arrays?
- ragged arrays?
- rectangular arrays?
- filenames and class names?
Midterm Review
What Is / Are …

- packages?
- subpackages?
- package hierarchy?
- fully qualified name?
- import?
- package?
- non-public classes?
- .jar files?
- exceptions?
- throwing / handling exceptions?
- try / catch / finally?
- stack trace?
- exception propagation?