Date: Thursday, December 21

Time: 1:00pm - 2:30pm (90 minutes)

- University Final Exam Schedule:
  https://scheduling.rutgers.edu/scheduling/exam-scheduling/final-exam-schedule

Where: SEC-111, Busch

Coverage:
- This is a cumulative exam.
- Exam questions cover all lecture notes, coding examples posted under Modules on Canvas, all project assignments, as well as the topics discussed in class during the semester.
  - Object instantiation, Inheritance and Polymorphism
  - Java Interface, abstract classes, and concrete classes.
  - Exception handling
  - Unit testing with black box testing, equivalence class partitioning and boundary analysis.
  - Java I/O streams
  - JavaFX
  - Event-driven programming
  - Java inner classes, anonymous inner classes, and lambda expressions
  - Java Collections and generic programming in Java
  - Android system architecture, app architecture and project structure
  - Essential components in Android apps and their lifecycle management
  - Android Views
  - Android Activity/Fragment
  - Build management: gradle and maven
  - Design patterns

Taking the exam

1. This is a close-note, close-book, paper exam.
2. You must bring your **Rutgers ID** for the in-person exam.
3. Academic Integrity policies will be strictly enforced. See the policies by following the link below:
   http://nbacademicintegrity.rutgers.edu/home/for-students/
4. The exam will start at 1:00pm, December 21. You MUST turn in the exam by 2:30pm. Please **arrive 10 minutes before the starting time** to have the full 90 minutes for the exam. If you arrive late, you will not be getting extended time over 2:30pm.
5. You MUST **write your name and the section number** on the exam paper. When you turn in the exam to the TAs, please present your Rutgers ID for validation.
6. Exam questions may include
   - True/False and Multiple-Choice questions
   - Short answer/Fill-in-the-blank questions
   - Coding problems