List of Topics Covered

Data Structures
ArrayList
List (Linked List – array implementation and linked list implementation), double-linked lists, circular lists, lists with headers and rear pointers
Stacks
Queues (will be covered Monday)

Java Language Features
Generics
Interfaces – Comparable, Iterator/Iterable
Iterators
Exceptions, including try/catch blocks
switch statement
short-circuit evaluation

Algorithms
Selection Sort
Merge Sort
Decimal to Binary conversion
Radix Sort
Postfix Evaluation
Conversion from Infix to Postfix
Linear Time Alg. Vs. Quadratic Time alg.
Binary Search
Recursion
Finding Duplicates
Finding Components (this week's homework)

Terminology
Abstract Data Type
Encapsulation
Deep copy/Shallow copy
Signature